

Product Range

The new generation
of diaphragm valves



+GF+

GEORG FISCHER
PIPING SYSTEMS

Benefits

You can expect a great deal more from the new generation of diaphragm valves: More safety, simplicity and efficiency.

It began with the wish for something new. Out of this came something new for the market: safer, simpler and more efficient. Georg Fischer Piping Systems is revolutionizing your idea of a diaphragm valve.



Safety

Where there is no metal, there is no corrosion. Just like in the new generation of diaphragm valves from GF Piping Systems. Instead of the usual four metal screws, the new diaphragm valve has only a central plastic housing nut. And what is the direct advantage of this? The corrosion-free connection guarantees homogeneous expansion when exposed to temperature variations, which eliminates the need to retighten the screws. This results in uniform surface pressure that guarantees tightness up to 16 bar operating pressure.



Simplicity

Open or closed, automatic or manual: With flicks of the wrist the new diaphragm valve can increase flow or turn everything off completely. The lockable handwheel is a standard feature, the two-coloured position indicator shows the actual position of the diaphragm at a glance. Moreover, at the same time the upper housing section is the interface for a self-adjusting electrical position indicator. All the installation dimensions of the previous model were retained so it is backward compatible.



Efficiency

What is your definition of efficiency? 10, 15 or even 20 percent more? The new generation of diaphragm valves offers 100 percent more flow. That means doubling the flow rate at constant energy consumption. The key lies in the optimized geometry of the valve body. At the same time, the new diaphragm valve has linear flow characteristics and thus guarantees both increased efficiency and constantly stable processes. The minimized dead space also provides maximal hygiene.

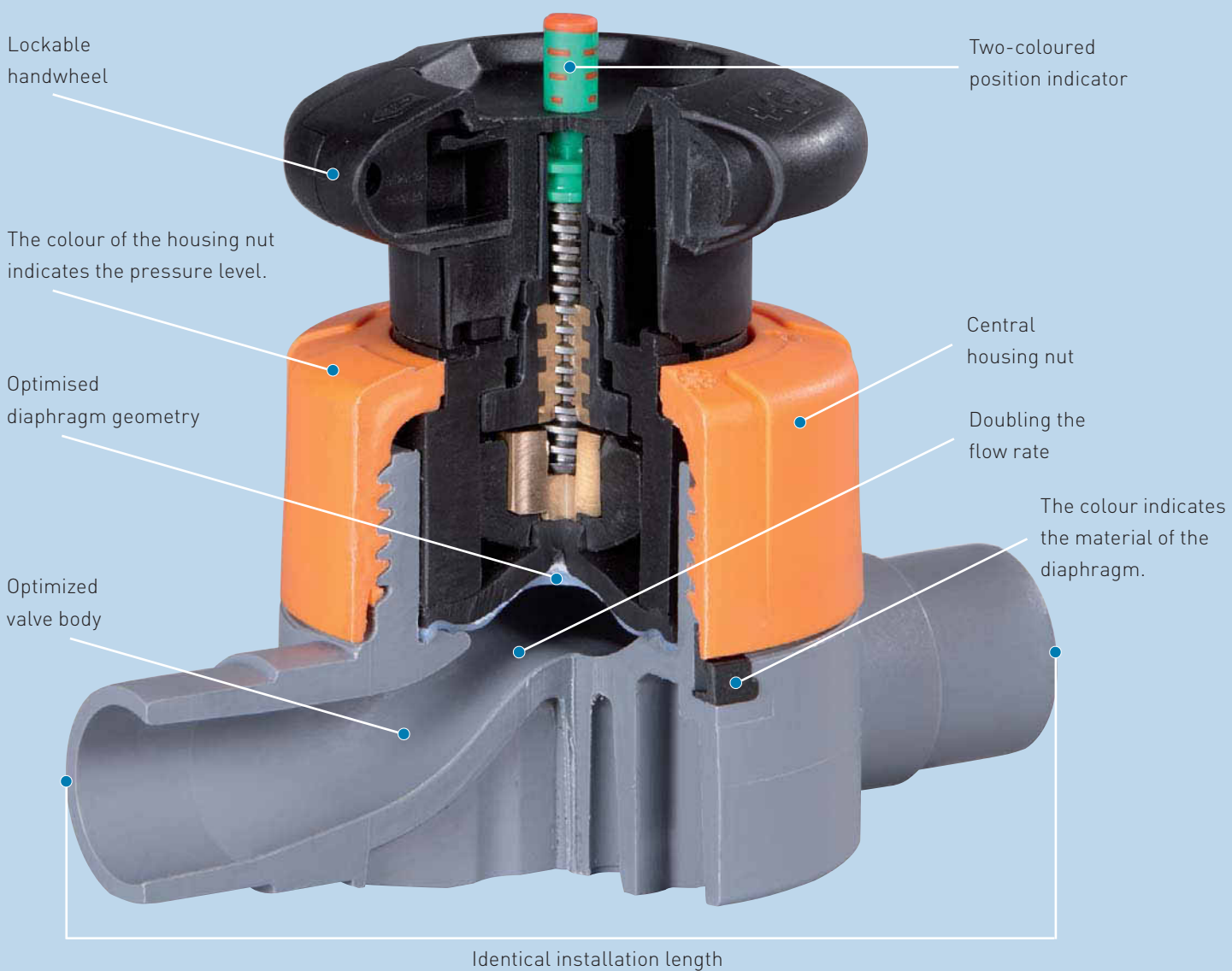
Features

The sum of innovative developments guarantees the added value.

What is important and what isn't? GF Piping Systems asked about the requirements and that was the basis for developing the technical solutions. This way of proceeding is what makes the valve so extraordinary. In the new generation of diaphragm valves, there is something over and above

innovation in details that is crucial for success. The optimized valve body guarantees the sensational flow rate. The installation length is identical to the length in the previous model and this makes for problem-free backward-compatibility. The central housing nut holds everything together

with a new level of reliability. There are many other characteristics that make the new generation of diaphragm valves a globally successful product innovation.



Functions and configurations can differ from the illustration, depending on the type.

The system

At a glance.

There are almost no limits to the applications of the new generation of diaphragm valves. Regardless of whether it is the manual or the pneumatic valve.



Retrofitting of the feedback unit.



Materials

The application determines the material. Therefore, for optimal reliability, we offer you the choice of these materials: PVC-U, PVC-C, ABS as well as PP-H, PP-n and PVDF. With diaphragm materials available in EPDM, PTFE, FPM and NBR, the valves can be utilized with almost all chemicals.

Connections

Do you need a true union valve with solvent cement socket, do you want to weld in the valve, do you have to create a threaded connection to existing components of the plant or does the standard call for a specific flange? We help you with the right answer for a reliable connection.

International standards

No matter where you intend to use your valves, compatibility is obligatory. We ensure worldwide connection with international standards such as ISO, BS, ASTM, ANSI and JIS.

Standardization

Compliance with international standards:

prEN ISO 16138

Industrial valves –
Diaphragm valves made of thermoplastics.

ISO9393

Valves made of thermoplastics.
Pressure test and requirements.

EN558

Installation length of diaphragm valves corresponds to EN558.

Approval reported:

DIBt, W270, KTW, FDA and others.

Electrical feedback

In modern plant automation, process monitoring is increasing in importance. The optional electrical feedback can be easily assembled in a few steps.

- Removal of handwheel
- Attachment of electrical position indicator
- Attachment of handwheel
- Wiring of plugs
- One-time opening/closing of the valve for calibration.

System details

A product innovation that is more than the sum of its details.

The focus of the innovation was not the technical details but rather the absolute customer requirements. GF Piping Systems developed technical solutions in response to these requirements. The result can be seen in the details.



Optimised flow geometry.

Central housing nut

Proven for decades in threaded unions and now applied to the housing: Simple, even surface pressure, no retightening. Very important: The uniform expansion with temperature changes of the plastic-plastic connection prevents leaks.

Uniform diaphragm interface

Simplified spare parts, easy exchange, enormous flexibility: The diaphragm interface was constructed in such a way that the threaded connection does not transfer pressure forces to the diaphragm pin.

Two-coloured position indicator

How far is my valve opened?
The clearly visible two-coloured position indicator shows the actual position at a glance from a distance.

Locking

Is the process set? Secure it against undesired tampering with the integrated locking mechanism and with a padlock. In normal operation,

the lock mechanism disappears in the handwheel, so that the ergonomics are not impeded.

Optimised flow geometry

An optimised flow geometry with soft transitions and radii doubles the flow rate compared to a typical diaphragm valve. The control characteristics are almost linear.

A worldwide unique manufacturing procedure makes this possible.

It also provides maximal hygiene with minimized dead space. With no disruptive flow turbulence, noise and wear and tear are significantly decreased.

In addition to reduced pressure losses, an optimised flow rate also means that energy is conserved, and this lowers operating costs.



Clearly visible position indicator.



Handwheel unlocked.



Handwheel locked.

The DIASTAR system

Simple automation.

GF Piping Systems has the optimal actuator configuration for your individual needs. You can rely on the pneumatic DIASTAR valves.



DIASTAR Six



DIASTAR Ten



DIASTAR Sixteen

DIASTAR Six

Are you looking for a cost-effective solution with a long working life for elastomer diaphragms up to 6 bar? Then you are on the right track with DIASTAR Six. It combines high quality with the basic functions of a pneumatic actuator. Its compact construction is also an advantage.

DIASTAR Ten

Optimally suited for all standard applications up to 10 bar requiring integration of accessories. Uncomplicated integration into the plant automation is possible through the appropriate interface. DIASTAR Ten also offers the possibility of using a PTFE diaphragm. The cost-benefit ratio is unbeatable.

DIASTAR Sixteen

This is our strongest one. It guarantees reliable control of operating pressures up to 16 bar. Are you looking for maximal reliability? And do you want an integrated accessory interface for simple system integration?

Then DIASTAR Sixteen is the right choice.

Variety of accessories

Individual solutions must also fit individual requirements; otherwise they are not solutions. For your modern plant automation, we offer the appropriate variety of accessories:

- 3/2-way pilot valves for single acting valves
- 5/2-way pilot valves for double acting actuators
- Valve clusters for rational automation with interfaces for the common bus protocols
- AS interface for simple bus communication
- Stroke limiter for fine adjustment and manual override
- Electrical position indicator with self-adjusting limit switches
- Positioner for demanding regulation applications

Details DIASTAR

The right actuator for every situation. It's quality is already well-known and now further optimised.

Building on the design of the manual valve, the pneumatic actuators from GF Piping Systems have also been thoroughly reworked. The result of this development can also be seen in the details.



Comprehensive accessory assortment.



The rotary air connections permit compact installation of the unit.

Appropriate actuator and accessories

A long diaphragm working life is fundamental for the reliability of your application. That is why we offer you the right DIASTAR to correspond to your application with the use of 3, 4, or 6 spring assemblies for high closing forces and with integrated fixed stop in the actuator to avoid overloading the diaphragm. The low maintenance piston actuators with double spindle guide allows a long working life.

Rotary air connection

In tight installation locations the actuators may be assembled back to back. The air connection can be turned to the desired position in 90° steps in all actuators.

Housing material

The fibreglass-reinforced PP housing material ensures that your actuator will withstand aggressive environmental conditions. Extensive use of plastics and stainless steel protects the interior of the valve.

Mechanical interface

The DIASTAR Ten and Sixteen both have a mechanical interface to which accessories can be attached without difficulty. This is essential, since the actuation technology is an integral component of the total plant control. Our accessory program offers you a number of options for equipment that responds to your requirements. Self-adjusting limit switches, positioner, solenoid pilot valves, valve clusters with bus communication, AS-i-control heads and more.



Fixed stop and spring assemblies for a longer valve working life.

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Copiable Configurator +GF+ Diaphragm Valve

Valve body type

A20 Type 514 - True Union Design
A21 Type 515 - Spigots
A22 Type 517 - Flanges

Material

B01 PVC-U
B02 PVC-C
B03 ABS

Dimension

C05 DN 10 3/8"
C06 DN 15 1/2"
C07 DN 20 3/4"
C08 DN 25 1"
C09 DN 32 1 1/4"
C10 DN 40 1 1/2"
C11 DN 50 2"

Version

D11 standard
D05 silicone free / oil free

Diaphragm

E01 EPDM
E02 FPM
E11 NBR
E12 PTFE/EPDM
E04 PTFE/FPM

Connecting parts

H01 PVC-U Cemented socket metric
H02 PVC-U Cemented socket JIS
H03 PVC-U Cemented socket ASTM
H04 PVC-U Cemented socket Zoll BS
H05 PVC-U Cemented spigot metric
H06 PVC-U Threaded socket Rp (ISO)
H08 PVC-U Threaded socket Rc (JIS)
H09 PVC-U Threaded socket NPT (ASTM)
H11 PVC-C Cemented socket metric
H13 PVC-C Cemented socket Zoll ASTM
H14 PVC-C Cemented spigot metric
H20 ABS Cemented socket metric
H21 ABS Cemented socket Zoll BS
H24 ABS Cemented spigot metric
H40 PE-80 Fusion socket metric
H41 PE-100 Butt fusion spigot SDR11 metric
H43 PE-100 Butt fusion spigot long SDR11 metric
H62 Fixed flange PVC-U JIS
H70 Backing flange PVC-U metric with PVC-U endings
H71 Backing flange PVC-U Zoll ANSI with PVC-U endings
H71 PVCC Backing flange PVC-U Zoll ANSI with PVC-C endings
H72 PVCC Backing flange PP-steel metric with PVC-U endings
H72 PVCC Backing flange PP-steel metric with PVC-C endings
H72 ABS Backing flange PP-steel metric with ABS endings
H73 PVCC Backing flange PP-steel Zoll ANSI with PVC-U endings
H73 PVCC Backing flange PP-steel Zoll ANSI with PVC-C endings
H73 ABS Backing flange PP-steel Zoll ANSI with ABS endings
H74 PVCC Backing flange PP-V metric with PVC-U endings
H74 PVCC Backing flange PP-V metric with PVC-C endings
H74 ABS Backing flange PP-V metric with ABS endings
H74 PVCC Backing flange PP-V metric with PVC-C endings
H75 PVCC Backing flange PP-V ANSI with PVC-U endings
H75 PVCC Backing flange PP-V ANSI with PVC-C endings
H78 PVCC Backing flange PP-GF JIS with PVC-U endings
H80 PVC-U valve end blank

Electrical feedback

I33 Electrical feedback with Ag, Ni limit switches
I34 Electrical feedback with Au limit switches

Manual actuated: pressure tight housing

K30 Bonnet pressure tight
K31 Bonnet not pressure tight

Pressure range

M01 PN10
M02 PN16

Example:

Diaphragm valve with valve body type 515, PVC-U, EPDM diaphragm, DN25, cemented spigots metric, electrical feedback, pressure tight housing, PN10



A21 B01 C08 D11 E01 H05 I33 K30 M01

P

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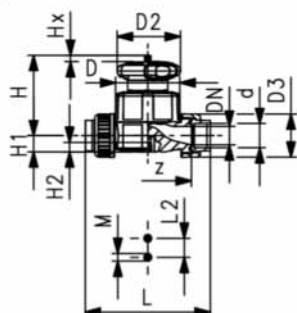


Pneumatic Actuator DIASTAR

P40 DIASTAR Six FC fail safe to close
P43 DIASTAR Ten FC fail safe to close
P44 DIASTAR Sixteen FC fail safe to close
P45 DIASTAR Sixteen FO fail safe to open
P46 DIASTAR Sixteen DA double acting
P47 DIASTAR Ten FO fail safe to open
P48 DIASTAR Ten DA double acting

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U With solvent cement sockets metric



Model:

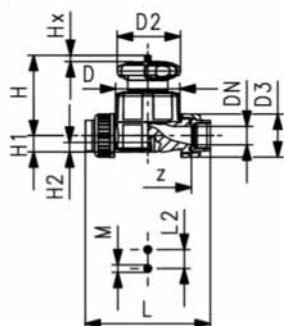
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
16	10	10	125	161 514 001	161 514 011	161 514 031	161 514 061	
20	15	10	125	161 514 002	161 514 012	161 514 032	161 514 062	
25	20	10	271	161 514 003	161 514 013	161 514 033	161 514 063	
32	25	10	481	161 514 004	161 514 014	161 514 034	161 514 064	
40	32	10	759	161 514 005	161 514 015	161 514 035	161 514 065	
50	40	10	1263	161 514 006	161 514 016	161 514 036	161 514 066	
63	50	10	1728	161 514 007	161 514 017	161 514 037	161 514 067	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
16	65	65	43	124	25	73	14	12	M6	96	7	
20	65	65	43	128	25	73	14	12	M6	96	7	
25	80	65	51	152	25	81	18	12	M6	114	10	
32	88	87	58	166	25	107	22	12	M6	122	13	
40	101	87	72	192	45	115	26	15	M8	140	15	
50	117	135	83	222	45	148	32	15	M8	160	19	
63	144	135	100	266	45	166	39	15	M8	190	25	



Diaphragm valve type 514 PVC-U With threaded sockets Rp

Model:

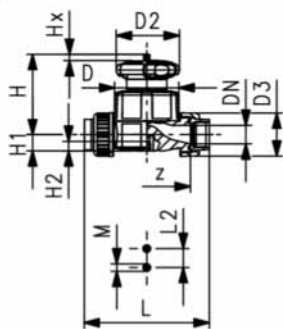
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
1/2	15	10	125	161 514 402	161 514 412	161 514 432	161 514 462	
3/4	20	10	271	161 514 403	161 514 413	161 514 433	161 514 463	
1	25	10	481	161 514 404	161 514 414	161 514 434	161 514 464	
1 1/4	32	10	759	161 514 405	161 514 415	161 514 435	161 514 465	
1 1/2	40	10	1263	161 514 406	161 514 416	161 514 436	161 514 466	
2	50	10	1728	161 514 407	161 514 417	161 514 437	161 514 467	

table continued next page



Rp [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	65	65	43	128	25	73	14	12	M6	96	7	
3/4	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 1/4	101	87	72	192	45	115	26	15	M8	140	15	
1 1/2	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



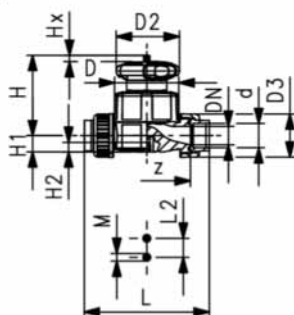
Diaphragm valve type 514 PVC-U With fusion sockets PE80 metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	10	125	161 514 212	
25	20	10	271	161 514 213	
32	25	10	481	161 514 214	
40	32	10	759	161 514 215	
50	40	10	1263	161 514 216	
63	50	10	1728	161 514 217	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	43	128	25	73	14	12	M6	100	7	
25	80	65	51	150	25	81	18	12	M6	118	10	
32	88	87	58	162	25	107	22	12	M6	126	13	
40	101	87	72	184	45	115	26	15	M8	144	15	
50	117	135	83	210	45	148	32	15	M8	164	19	
63	144	135	100	248	45	166	39	15	M8	194	25	



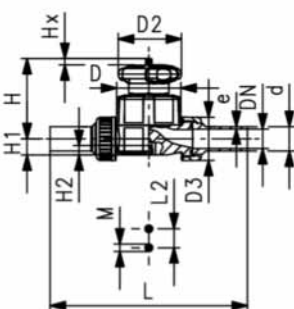
Diaphragm valve type 514 PVC-U With butt and electro fusion ends PE100 SDR11 metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

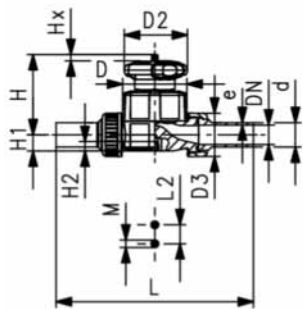
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	10	125	161 514 312	
25	20	10	271	161 514 313	
32	25	10	481	161 514 314	

table continued next page



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
40	32	10	759	161 514 315
50	40	10	1263	161 514 316
63	50	10	1728	161 514 317

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	43	224	25	73	14	12	M6	7	1,9
25	80	65	51	250	25	81	18	12	M6	10	2,3
32	88	87	58	262	25	107	22	12	M6	13	2,9
40	101	87	72	296	45	115	26	15	M8	15	3,7
50	117	135	83	328	45	148	32	15	M8	19	4,6
63	144	135	100	370	45	166	39	15	M8	25	5,8



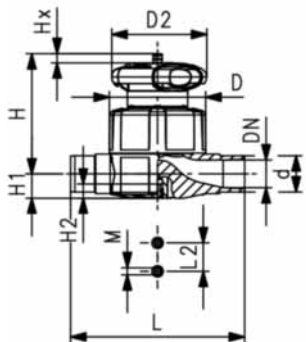
Diaphragm valve type 515 PVC-U With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
20	15	10	125	161 515 002	161 515 012	161 515 032	161 515 062
25	20	10	271	161 515 003	161 515 013	161 515 033	161 515 063
32	25	10	481	161 515 004	161 515 014	161 515 034	161 515 064
40	32	10	759	161 515 005	161 515 015	161 515 035	161 515 065
50	40	10	1263	161 515 006	161 515 016	161 515 036	161 515 066
63	50	10	1728	161 515 007	161 515 017	161 515 037	161 515 067

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	154	25	107	22	12	M6	13
40	101	87	174	45	115	26	15	M8	15
50	117	135	194	45	148	32	15	M8	19
63	144	135	224	45	166	39	15	M8	25



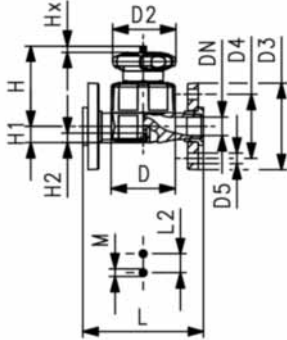
Diaphragm valve type 517 PVC-U With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	161 517 002	161 517 012	161 517 032	161 517 062	
25	20	10	271	161 517 003	161 517 013	161 517 033	161 517 063	
32	25	10	481	161 517 004	161 517 014	161 517 034	161 517 064	
40	32	10	759	161 517 005	161 517 015	161 517 035	161 517 065	
50	40	10	1263	161 517 006	161 517 016	161 517 036	161 517 066	
63	50	10	1728	161 517 007	161 517 017	161 517 037	161 517 067	

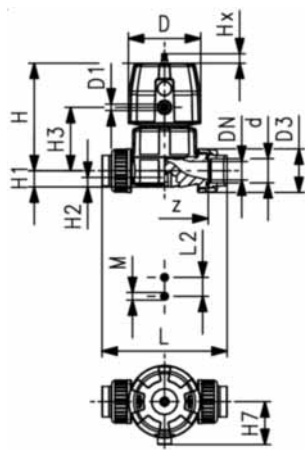
d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
20	65	65	95	65	14	130	25	73	14	12	M6	7	
25	80	65	105	75	14	150	25	81	18	12	M6	10	
32	88	87	115	85	14	160	25	107	22	12	M6	13	
40	101	87	140	100	18	180	45	115	26	15	M8	15	
50	117	135	150	110	18	200	45	148	32	15	M8	19	
63	144	135	165	125	18	230	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close)

Unions with solvent cement sockets metric



Model:

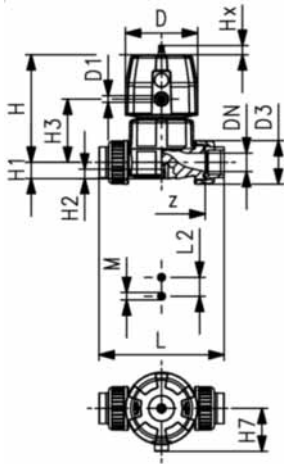
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
16	10	6	125	161 614 011
20	15	6	125	161 614 012
25	20	6	271	161 614 013
32	25	6	481	161 614 014
40	32	6	759	161 614 015
50	40	6	1263	161 614 016
63	50	6	1728	161 614 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
16	68	1/8	124	25	101	14	12	60	43	M6	96	7
20	68	1/8	128	25	101	14	12	60	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	69	M8	140	14
50	120	1/8	222	45	193	32	15	119	69	M8	160	16
63	120	1/8	266	45	205	39	15	132	69	M8	190	16



Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with threaded sockets Rp

Model:

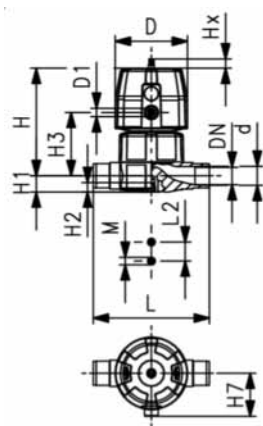
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	161 614 412
3/4	20	6	271	161 614 413
1	25	6	481	161 614 414
1 1/4	32	6	759	161 614 415
1 1/2	40	6	1263	161 614 416
2	50	6	1728	161 614 417

Rp [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	128	25	101	14	12	60	43	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	69	M8	140	14
1 1/2	120	1/8	222	45	193	32	15	119	69	M8	160	16
2	120	1/8	266	45	205	39	15	132	69	M8	190	16



Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	161 615 012
25	20	6	271	161 615 013
32	25	6	481	161 615 014
40	32	6	759	161 615 015
50	40	6	1263	161 615 016
63	50	6	1728	161 615 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	43	M6	7
25	96	1/8	144	25	132	18	12	73	57	M6	10
32	96	1/8	154	25	143	22	12	84	57	M6	13
40	120	1/8	174	45	173	26	15	99	69	M8	14
50	120	1/8	194	45	193	32	15	119	69	M8	16
63	120	1/8	224	45	205	39	15	132	69	M8	16



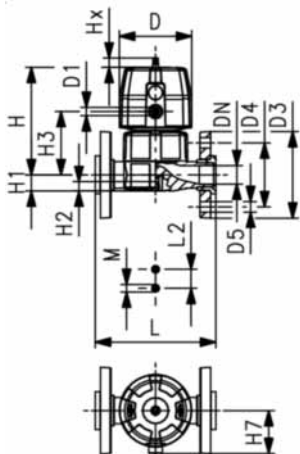
Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	161 617 012	
25	20	6	271	161 617 013	
32	25	6	481	161 617 014	
40	32	6	759	161 617 015	
50	40	6	1263	161 617 016	
63	50	6	1728	161 617 017	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7	
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10	
32	96	1/8	115	85	14	160	25	143	22	12	84	57	M6	13	
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14	
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16	
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets metric

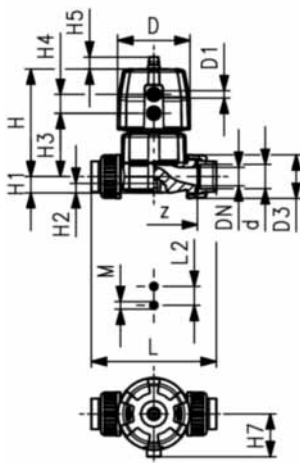
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

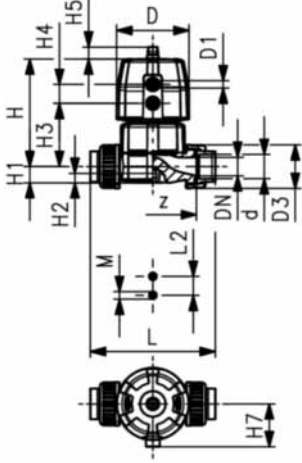
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
16	10	10	125	161 624 011	161 624 031	
20	15	10	125	161 624 012	161 624 032	
25	20	10	271	161 624 013	161 624 033	
32	25	10	481	161 624 014	161 624 034	
40	32	10	759	161 624 015	161 624 035	
50	40	10	1263	161 624 016	161 624 036	
63	50	10/6*	1728	161 624 017	161 624 037	

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
16	68	1/8	124	25	101	14	12	60	24	16	43	M6	96	7
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) With solvent cement spigots metric

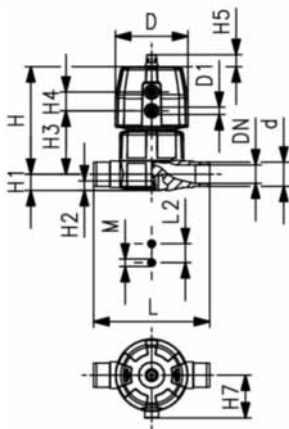
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

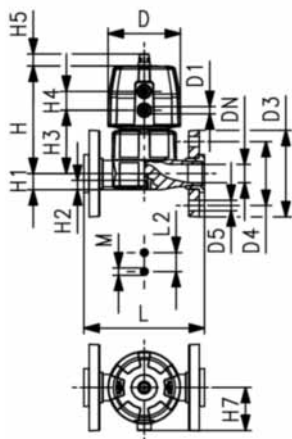
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	161 625 012	161 625 032
25	20	10	271	161 625 013	161 625 033
32	25	10	481	161 625 014	161 625 034
40	32	10	759	161 625 015	161 625 035
50	40	10	1263	161 625 016	161 625 036
63	50	10/6*	1728	161 625 017	161 625 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	161 627 012	161 627 032
25	20	10	271	161 627 013	161 627 033
32	25	10	481	161 627 014	161 627 034
40	32	10	759	161 627 015	161 627 035
50	40	10	1263	161 627 016	161 627 036
63	50	10/6*	1728	161 627 017	161 627 037

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



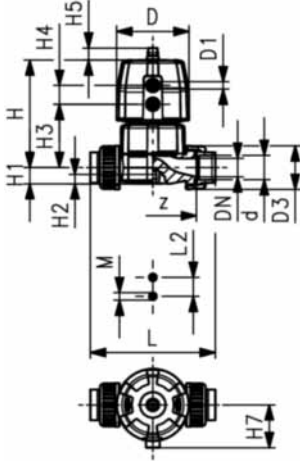
Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
16	10	10	125	161 644 011	161 644 031
20	15	10	125	161 644 012	161 644 032
25	20	10	271	161 644 013	161 644 033
32	25	10	481	161 644 014	161 644 034
40	32	10	759	161 644 015	161 644 035
50	40	10	1263	161 644 016	161 644 036
63	50	10	1728	161 644 017	161 644 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
16	68	1/8	124	25	101	14	12	60	24	16	43	M6	96	7
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



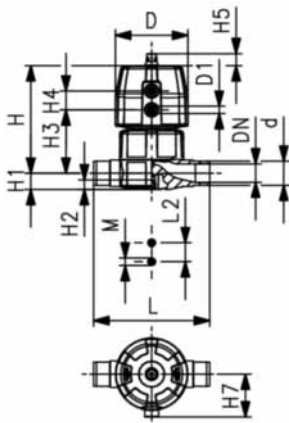
Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

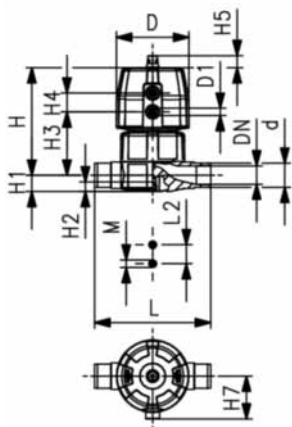
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	161 645 012	161 645 032
25	20	10	271	161 645 013	161 645 033
32	25	10	481	161 645 014	161 645 034
40	32	10	759	161 645 015	161 645 035
50	40	10	1263	161 645 016	161 645 036
63	50	10	1728	161 645 017	161 645 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



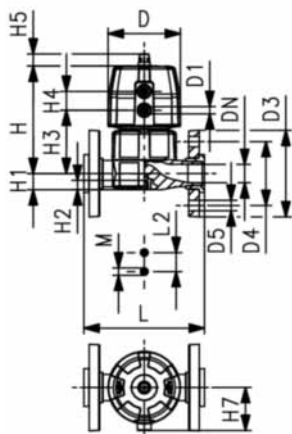
Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	161 647 012	161 647 032
25	20	10/10*	271	161 647 013	161 647 033
32	25	10/10*	481	161 647 014	161 647 034
40	32	10/10*	759	161 647 015	161 647 035
50	40	10/10*	1263	161 647 016	161 647 036
63	50	10/10*	1728	161 647 017	161 647 037

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



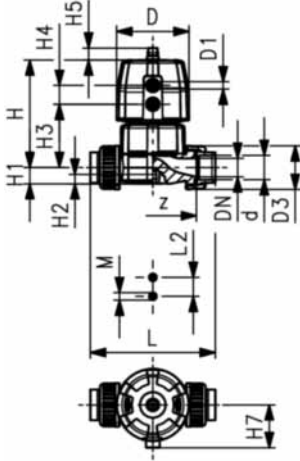
Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
16	10	10	125	161 654 011	161 654 031
20	15	10	125	161 654 012	161 654 032
25	20	10	271	161 654 013	161 654 033
32	25	10	481	161 654 014	161 654 034
40	32	10	759	161 654 015	161 654 035
50	40	10	1263	161 654 016	161 654 036
63	50	10	1728	161 654 017	161 654 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
16	68	1/8	124	25	101	14	12	60	24	16	43	M6	96	7
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



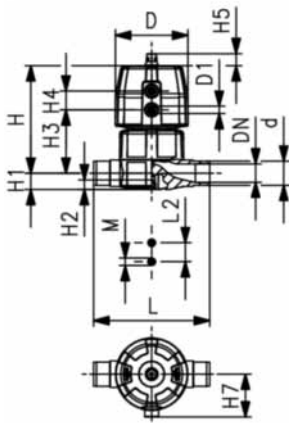
Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

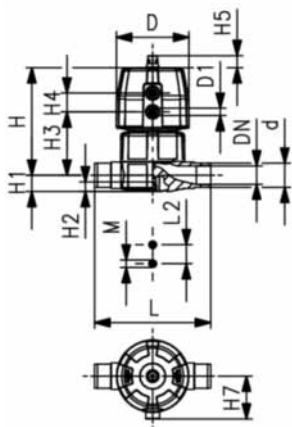
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	161 655 012	161 655 032
25	20	10	271	161 655 013	161 655 033
32	25	10	481	161 655 014	161 655 034
40	32	10	759	161 655 015	161 655 035
50	40	10	1263	161 655 016	161 655 036
63	50	10	1728	161 655 017	161 655 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



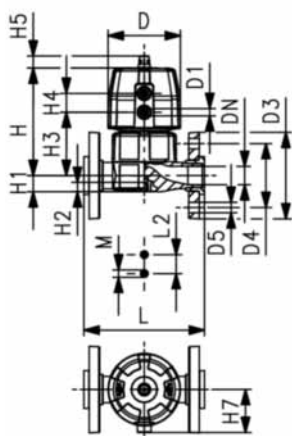
Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	161 657 012	161 657 032
25	20	10	271	161 657 013	161 657 033
32	25	10	481	161 657 014	161 657 034
40	32	10	759	161 657 015	161 657 035
50	40	10	1263	161 657 016	161 657 036
63	50	10	1728	161 657 017	161 657 037

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



Diaphragm valve DIASTAR Sixteen PVC-U FC (Fail safe to close) Unions with solvent cement sockets metric

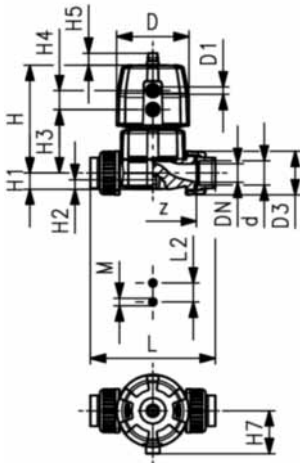
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code										
16	10	16/16*	125	161 634 011	161 634 031										
20	15	16/16*	125	161 634 012	161 634 032										
25	20	16/16*	271	161 634 013	161 634 033										
32	25	16/16*	481	161 634 014	161 634 034										
40	32	16/16*	759	161 634 015	161 634 035										
50	40	16/16*	1263	161 634 016	161 634 036										
63	50	16/10*	1728	161 634 017	161 634 037										

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
16	96	1/8	124	25	127	14	12	68	25	16	57	M6	96	7
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR Sixteen PVC-U FC (Fail safe to close) With solvent cement spigots metric

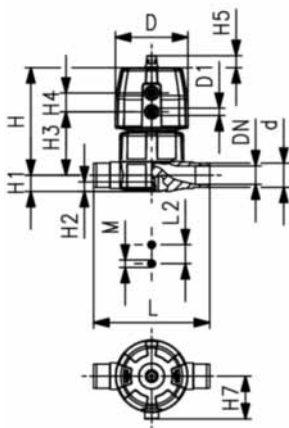
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

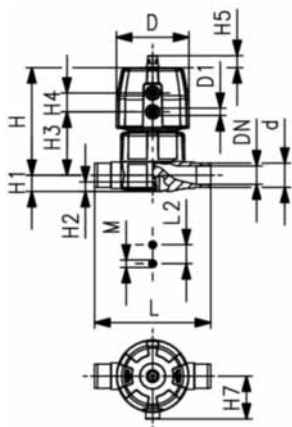
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code										
20	15	16/16*	125	161 635 012	161 635 032										
25	20	16/16*	271	161 635 013	161 635 033										
32	25	16/16*	481	161 635 014	161 635 034										
40	32	16/16*	759	161 635 015	161 635 035										
50	40	16/16*	1263	161 635 016	161 635 036										
63	50	16/10*	1728	161 635 017	161 635 037										

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23

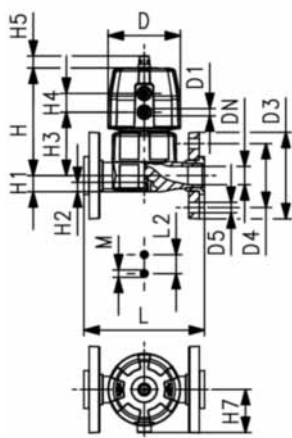
Diaphragm valve DIASTAR Sixteen PVC-U FC (Fail safe to close) With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



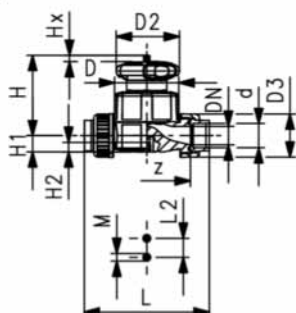
d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	161 637 012	161 637 032
25	20	10	271	161 637 013	161 637 033
32	25	10	481	161 637 014	161 637 034
40	32	10	759	161 637 015	161 637 035
50	40	10	1263	161 637 016	161 637 036
63	50	10	1728	161 637 017	161 637 037

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U SF With solvent cement sockets metric



Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

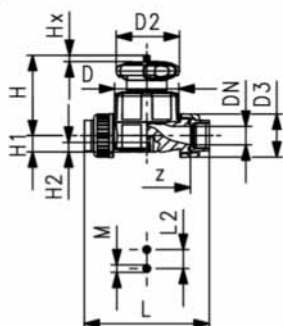
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
16	10	10	125	161 514 021	161 514 071
20	15	10	125	161 514 022	161 514 072
25	20	10	271	161 514 023	161 514 073
32	25	10	481	161 514 024	161 514 074
40	32	10	759	161 514 025	161 514 075
50	40	10	1263	161 514 026	161 514 076
63	50	10	1728	161 514 027	161 514 077

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
16	65	65	43	124	25	73	14	12	M6	96	7
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valve type 514 PVC-U SF With threaded sockets Rp



Model:

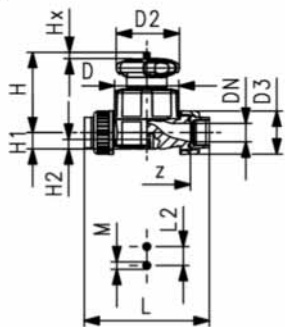
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 422	161 514 472
3/4	20	10	271	161 514 423	161 514 473
1	25	10	481	161 514 424	161 514 474
1 1/4	32	10	759	161 514 425	161 514 475
1 1/2	40	10	1263	161 514 426	161 514 476
2	50	10	1728	161 514 427	161 514 477

table continued next page



Rp [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
½	65	65	43	128	25	73	14	12	M6	96	7	
¾	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 ¼	101	87	72	192	45	115	26	15	M8	140	15	
1 ½	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



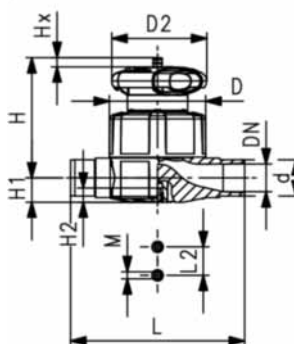
Diaphragm valve type 515 PVC-U SF With solvent cement spigots metric

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

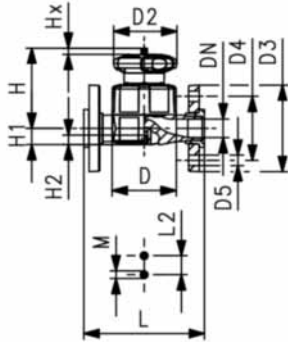
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	161 515 022	161 515 072	
25	20	10	271	161 515 023	161 515 073	
32	25	10	481	161 515 024	161 515 074	
40	32	10	759	161 515 025	161 515 075	
50	40	10	1263	161 515 026	161 515 076	
63	50	10	1728	161 515 027	161 515 077	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
20	65	65	124	25	73	14	12	M6	7	
25	80	65	144	25	81	18	12	M6	10	
32	88	87	154	25	107	22	12	M6	13	
40	101	87	174	45	115	26	15	M8	15	
50	117	135	194	45	148	32	15	M8	19	
63	144	135	224	45	166	39	15	M8	25	



Diaphragm valve type 517 PVC-U SF With backing flanges PVC-U metric

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces

Option:

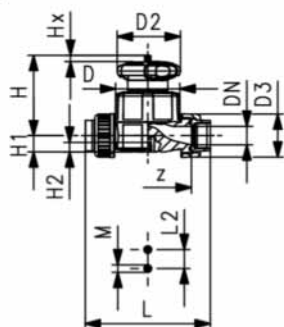
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	161 517 022	161 517 072
25	20	10	271	161 517 023	161 517 073
32	25	10	481	161 517 024	161 517 074
40	32	10	759	161 517 025	161 517 075
50	40	10	1263	161 517 026	161 517 076
63	50	10	1728	161 517 027	161 517 077

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13
40	101	87	140	100	18	180	45	115	26	15	M8	15
50	117	135	150	110	18	200	45	148	32	15	M8	19
63	144	135	165	125	18	230	45	166	39	15	M8	25

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U With solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

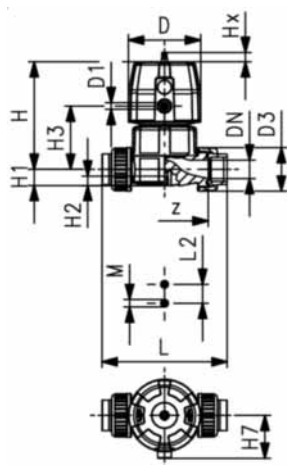
Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
1/2	15	10	125	161 514 502	161 514 512	161 514 532	161 514 562	
3/4	20	10	271	161 514 503	161 514 513	161 514 533	161 514 563	
1	25	10	481	161 514 504	161 514 514	161 514 534	161 514 564	
1 1/4	32	10	759	161 514 505	161 514 515	161 514 535	161 514 565	
1 1/2	40	10	1263	161 514 506	161 514 516	161 514 536	161 514 566	
2	50	10	1728	161 514 507	161 514 517	161 514 537	161 514 567	

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	65	65	43	128	25	73	14	12	M6	96	7	
3/4	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 1/4	101	87	72	192	45	115	26	15	M8	140	15	
1 1/2	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- For easy installation and removal
- Short overall length
- Rotating air connection at 90° intervals

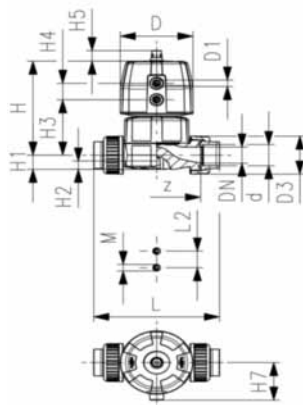
Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	161 614 512	
3/4	20	6	271	161 614 513	
1	25	6	481	161 614 514	
1 1/4	32	6	759	161 614 515	
1 1/2	40	6	1263	161 614 516	
2	50	6	1728	161 614 517	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/8	128	25	101	14	12	60	43	M6	96	7	
3/4	96	1/8	152	25	132	18	12	73	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	69	M8	140	14	
1 1/2	120	1/8	222	45	193	32	15	119	69	M8	160	16	
2	120	1/8	266	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

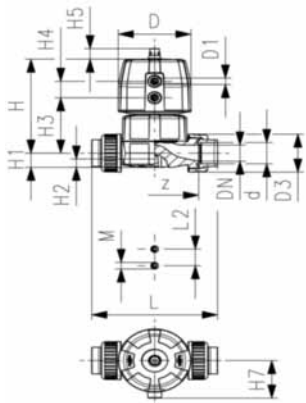
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM

Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 624 512	161 624 532	
3/4	20	10/10*	271	161 624 513	161 624 533	
1	25	10/10*	481	161 624 514	161 624 534	
1 1/4	32	10/10*	759	161 624 515	161 624 535	
1 1/2	40	10/10*	1263	161 624 516	161 624 536	
2	50	10/6*	1728	161 624 517	161 624 537	

table continued next page



Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



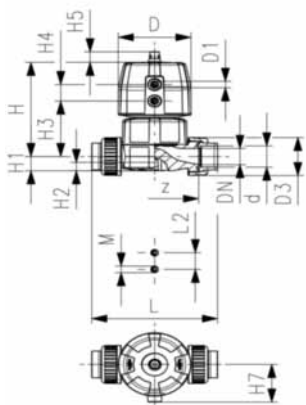
Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration



Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	161 644 512	161 644 532
¾	20	10	271	161 644 513	161 644 533
1	25	10	481	161 644 514	161 644 534
1 ¼	32	10	759	161 644 515	161 644 535
1 ½	40	10	1263	161 644 516	161 644 536
2	50	10	1728	161 644 517	161 644 537

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



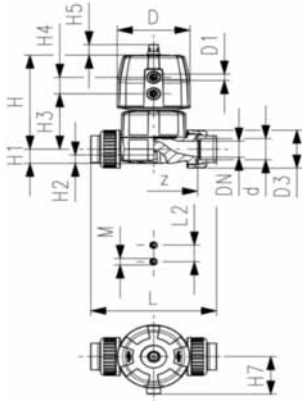
Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with solvent cement sockets BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 654 512	161 654 532
3/4	20	10	271	161 654 513	161 654 533
1	25	10	481	161 654 514	161 654 534
1 1/4	32	10	759	161 654 515	161 654 535
1 1/2	40	10	1263	161 654 516	161 654 536
2	50	10	1728	161 654 517	161 654 537

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Sixteen PVC-U FC (Fail safe to close) Unions with solvent cement sockets BS

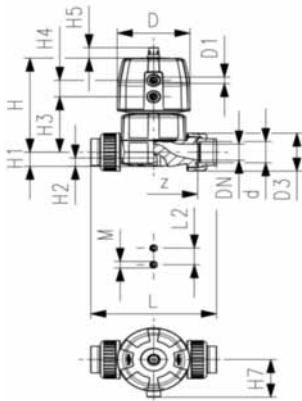
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

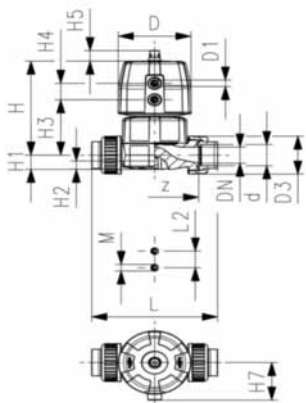
* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	16/16*	125	161 634 512	161 634 532
3/4	20	16/16*	271	161 634 513	161 634 533
1	25	16/16*	481	161 634 514	161 634 534
1 1/4	32	16/16*	759	161 634 515	161 634 535
1 1/2	40	16/16*	1263	161 634 516	161 634 536
2	50	16/10*	1728	161 634 517	161 634 537

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	128	25	127	14	12	68	25	16	57	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13

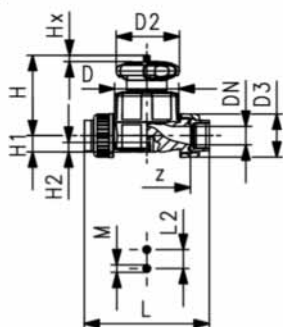
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Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1 ¼	150	¼	192	45	196	26	15	101	36	26	88	M8	140	15	
1 ½	180	¼	222	45	239	32	15	124	37	26	103	M8	160	19	
2	180	¼	266	45	251	39	15	137	37	26	103	M8	190	23	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U With solvent cement sockets ASTM



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

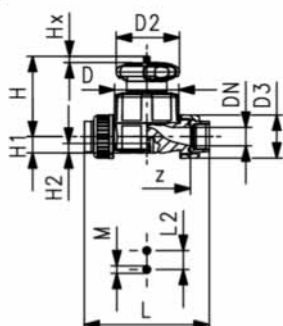
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 612	161 514 632
3/4	20	10	271	161 514 613	161 514 633
1	25	10	481	161 514 614	161 514 634
1 1/4	32	10	759	161 514 615	161 514 635
1 1/2	40	10	1263	161 514 616	161 514 636
2	50	10	1728	161 514 617	161 514 637

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	136	25	73	14	12	M6	96	7
3/4	80	65	51	160	25	81	18	12	M6	114	10
1	88	87	58	176	25	107	22	12	M6	122	13
1 1/4	101	87	72	198	45	115	26	15	M8	140	15
1 1/2	117	135	83	232	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25

Diaphragm valve type 514 PVC-U With threaded sockets NPT



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

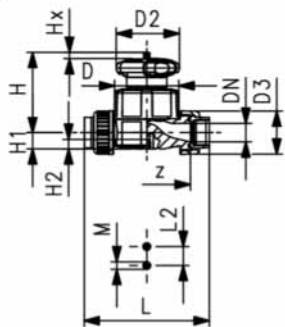
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

NPT [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 712	161 514 732
3/4	20	10	271	161 514 713	161 514 733
1	25	10	481	161 514 714	161 514 734
1 1/4	32	10	759	161 514 715	161 514 735
1 1/2	40	10	1263	161 514 716	161 514 736
2	50	10	1728	161 514 717	161 514 737

NPT [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	128	25	73	14	12	M6	96	7
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13

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NPT [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1 ¼	101	87	72	192	45	115	26	15	M8	140	15	
1 ½	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



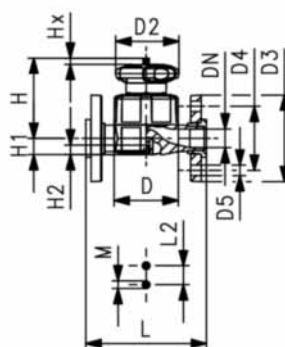
Diaphragm valve type 517 PVC-U With backing flanges PVC-U Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 612	161 517 632	
¾	20	10	271	161 517 613	161 517 633	
1	25	10	481	161 517 614	161 517 634	
1 ¼	32	10	759	161 517 615	161 517 635	
1 ½	40	10	1263	161 517 616	161 517 636	
2	50	10	1728	161 517 617	161 517 637	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	60	16	130	25	73	14	12	M6	7	
¾	80	65	105	70	16	150	25	81	18	12	M6	10	
1	88	87	115	79	16	160	25	107	22	12	M6	13	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close)

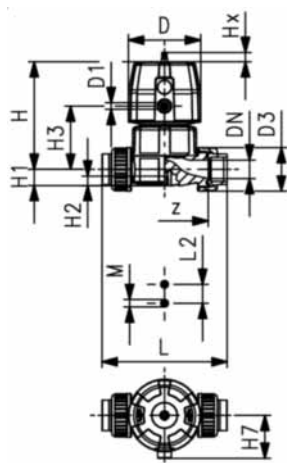
Unions with solvent cement sockets ASTM

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	161 614 612
3/4	20	6	271	161 614 613
1	25	6	481	161 614 614
1 1/4	32	6	759	161 614 615
1 1/2	40	6	1263	161 614 616
2	50	6	1728	161 614 617

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	136	25	101	14	12	60	43	M6	96	7
3/4	96	1/8	160	25	132	18	12	73	57	M6	114	10
1	96	1/8	176	25	143	22	12	84	57	M6	122	13
1 1/4	120	1/8	198	45	173	26	15	99	69	M8	140	14
1 1/2	120	1/8	232	45	193	32	15	119	69	M8	160	16
2	120	1/8	268	45	205	39	15	132	69	M8	190	16

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close)

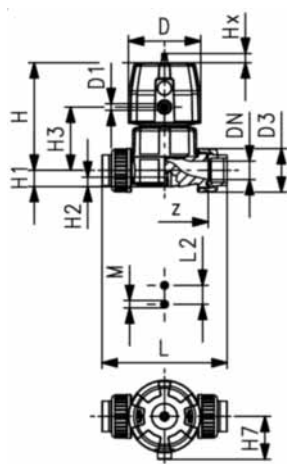
Unions with threaded sockets NPT

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

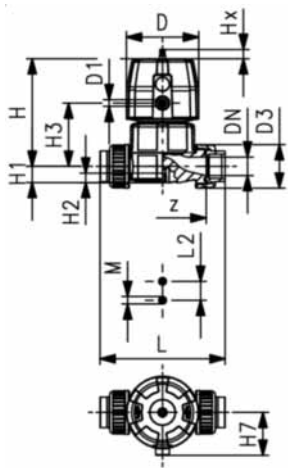
Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration



NPT [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	161 614 712
3/4	20	6	271	161 614 713
1	25	6	481	161 614 714
1 1/4	32	6	759	161 614 715
1 1/2	40	6	1263	161 614 716
2	50	6	1728	161 614 717

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NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	68	⅝	128	25	101	14	12	60	43	M6	96	7	
¾	96	⅝	152	25	132	18	12	73	57	M6	114	10	
1	96	⅝	166	25	143	22	12	84	57	M6	122	13	
1 ¼	120	⅝	192	45	173	26	15	99	69	M8	140	14	
1 ½	120	⅝	222	45	193	32	15	119	69	M8	160	16	
2	120	⅝	266	45	205	39	15	132	69	M8	190	16	



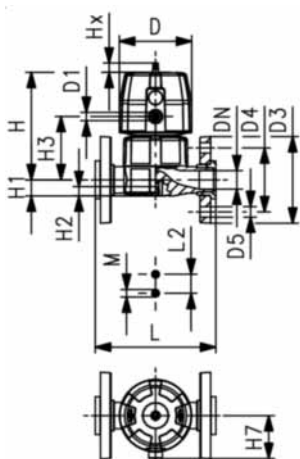
Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) With backing flanges PVC-U Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)



Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
½	15	6	125	161 617 612	
¾	20	6	271	161 617 613	
1	25	6	481	161 617 614	
1 ¼	32	6	759	161 617 615	
1 ½	40	6	1263	161 617 616	
2	50	6	1728	161 617 617	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
½	68	⅝	95	60	16	130	25	101	14	12	60	43	M6	7	
¾	96	⅝	105	70	16	150	25	132	18	12	73	57	M6	10	
1	96	⅝	115	79	16	160	25	143	22	12	84	57	M6	13	
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	69	M8	14	
1 ½	120	⅝	150	98	16	200	45	193	32	15	119	69	M8	16	
2	120	⅝	165	121	19	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets ASTM

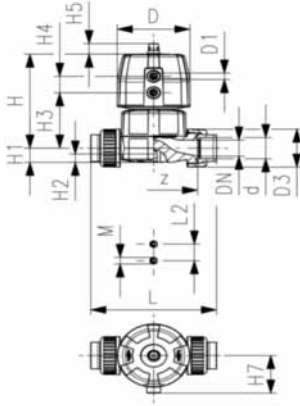
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 612	161 624 632
3/4	20	10/10*	271	161 624 613	161 624 633
1	25	10/10*	481	161 624 614	161 624 634
1 1/4	32	10/10*	759	161 624 615	161 624 635
1 1/2	40	10/10*	1263	161 624 616	161 624 636
2	50	10/6*	1728	161 624 617	161 624 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	136	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	160	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	176	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	198	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	232	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with threaded sockets NPT

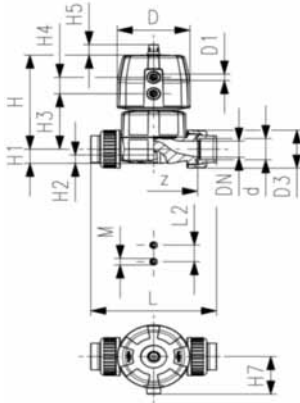
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

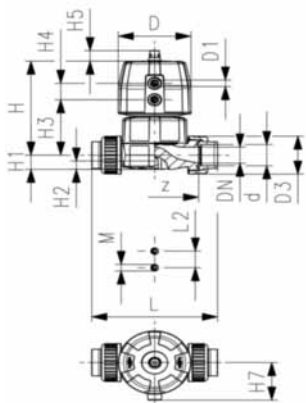
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



NPT [inch]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 712	161 624 732
3/4	20	10/10*	271	161 624 713	161 624 733
1	25	10/10*	481	161 624 714	161 624 734
1 1/4	32	10/10*	759	161 624 715	161 624 735
1 1/2	40	10/10*	1263	161 624 716	161 624 736
2	50	10/6*	1728	161 624 717	161 624 737

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NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	120	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	120	¾	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U

FC (Fail safe to close)

With backing flanges PVC-U Inch ANSI

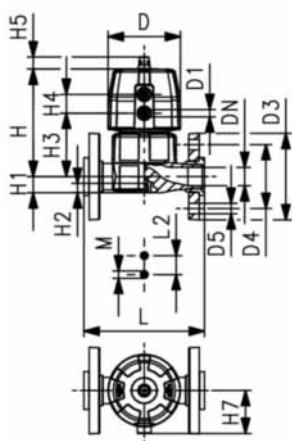
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

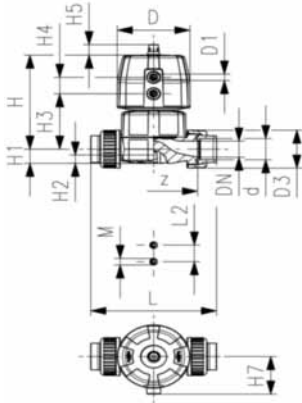
* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	161 627 612	161 627 632
¾	20	10/10*	271	161 627 613	161 627 633
1	25	10/10*	481	161 627 614	161 627 634
1 ¼	32	10/10*	759	161 627 615	161 627 635
1 ½	40	10/10*	1263	161 627 616	161 627 636
2	50	10/6*	1728	161 627 617	161 627 637

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	60	16	130	25	101	14	12	60	24	16	43	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅝	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets ASTM

Model:

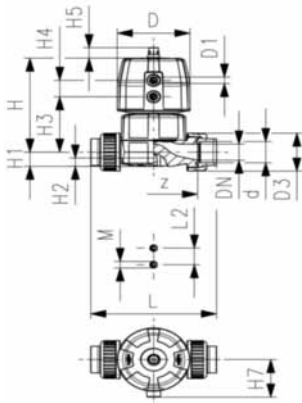
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 644 612	161 644 632
3/4	20	10	271	161 644 613	161 644 633
1	25	10	481	161 644 614	161 644 634
1 1/4	32	10	759	161 644 615	161 644 635
1 1/2	40	10	1263	161 644 616	161 644 636
2	50	10	1728	161 644 617	161 644 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	136	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	160	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	176	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	198	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	232	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with threaded sockets NPT

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

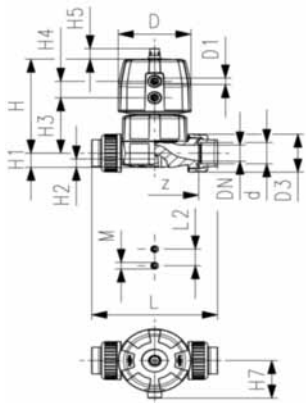
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

NPT [inch]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 644 712	161 644 732
3/4	20	10	271	161 644 713	161 644 733
1	25	10	481	161 644 714	161 644 734
1 1/4	32	10	759	161 644 715	161 644 735
1 1/2	40	10	1263	161 644 716	161 644 736
2	50	10	1728	161 644 717	161 644 737

NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13

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NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	69	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	69	M8	190	23



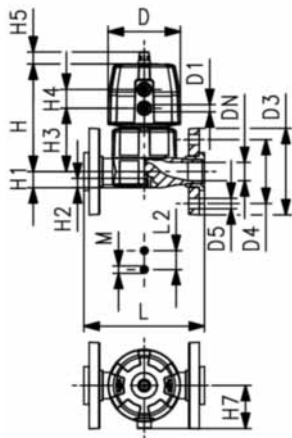
Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With backing flanges PVC-U Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

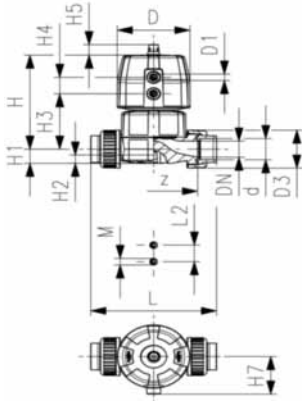
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	161 647 612	161 647 632
¾	20	10	271	161 647 613	161 647 633
1	25	10	481	161 647 614	161 647 634
1 ¼	32	10	759	161 647 615	161 647 635
1 ½	40	10	1263	161 647 616	161 647 636
2	50	10	1728	161 647 617	161 647 637

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	60	16	130	25	101	14	12	60	24	16	43	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅝	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with solvent cement sockets ASTM

Model:

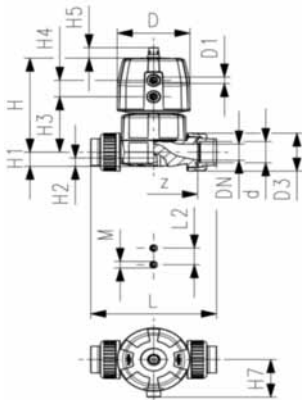
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 654 612	161 654 632
3/4	20	10	271	161 654 613	161 654 633
1	25	10	481	161 654 614	161 654 634
1 1/4	32	10	759	161 654 615	161 654 635
1 1/2	40	10	1263	161 654 616	161 654 636
2	50	10	1728	161 654 617	161 654 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	136	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	160	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	176	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	198	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	232	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with threaded sockets NPT

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

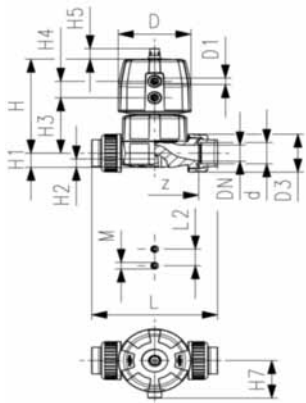
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

NPT [inch]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 654 712	161 654 732
3/4	20	10	271	161 654 713	161 654 733
1	25	10	481	161 654 714	161 654 734
1 1/4	32	10	759	161 654 715	161 654 735
1 1/2	40	10	1263	161 654 716	161 654 736
2	50	10	1728	161 654 717	161 654 737

NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	128	25	101	14	12	60	45	16	43	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13

table continued next page



NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	69	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	69	M8	190	23



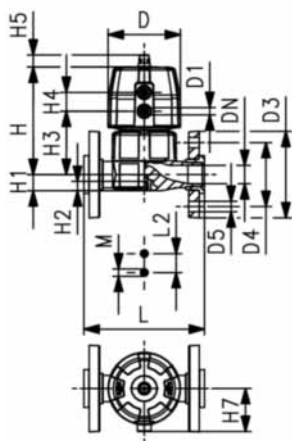
Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With backing flanges PVC-U Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	161 657 612	161 657 632
¾	20	10	271	161 657 613	161 657 633
1	25	10	481	161 657 614	161 657 634
1 ¼	32	10	759	161 657 615	161 657 635
1 ½	40	10	1263	161 657 616	161 657 636
2	50	10	1728	161 657 617	161 657 637

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	60	16	130	25	101	14	12	60	24	16	43	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅝	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



Diaphragm valve DIASTAR Sixteen PVC-U FC (Fail safe to close) Unions with solvent cement sockets ASTM

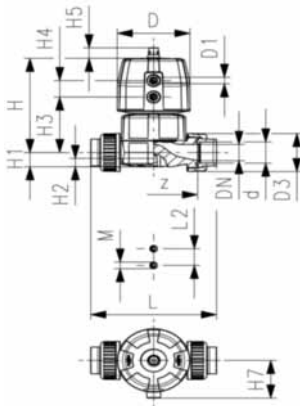
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	16/16*	125	161 634 612	161 634 632
3/4	20	16/16*	271	161 634 613	161 634 633
1	25	16/16*	481	161 634 614	161 634 634
1 1/4	32	16/16*	759	161 634 615	161 634 635
1 1/2	40	16/16*	1263	161 634 616	161 634 636
2	50	16/10*	1728	161 634 617	161 634 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	141	25	127	14	12	68	25	16	57	M6	96	7
3/4	96	1/8	165	25	132	18	12	73	25	16	57	M6	114	10
1	120	1/8	180	25	167	22	12	93	26	26	69	M6	122	13
1 1/4	150	1/4	204	45	196	26	15	101	36	26	88	M8	140	15
1 1/2	180	1/4	230	45	239	32	15	124	37	26	103	M8	160	19
2	180	1/4	267	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR Sixteen PVC-U FC (Fail safe to close) Unions with threaded sockets NPT

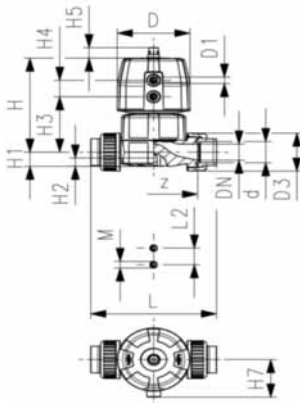
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

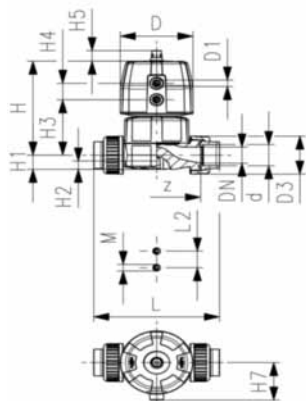
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



NPT [inch]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	16/16*	125	161 634 712	161 634 732
3/4	20	16/16*	271	161 634 713	161 634 733
1	25	16/16*	481	161 634 714	161 634 734
1 1/4	32	16/16*	759	161 634 715	161 634 735
1 1/2	40	16/16*	1263	161 634 716	161 634 736
2	50	16/10*	1728	161 634 717	161 634 737

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NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	96	⅜	128	25	127	14	12	68	25	16	57	M6	96	7
¾	96	⅜	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	⅜	166	25	167	22	12	93	26	26	69	M6	122	13
1 ¼	150	¼	192	45	196	26	15	101	36	26	88	M8	140	15
1 ½	180	¼	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	¼	266	45	251	39	15	137	37	26	103	M8	190	23

Diaphragm valve DIASTAR Sixteen PVC-U FC (Fail safe to close) With backing flanges PVC-U Inch ANSI

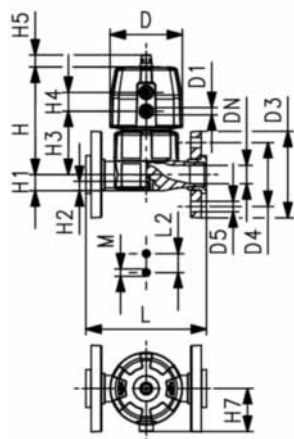
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



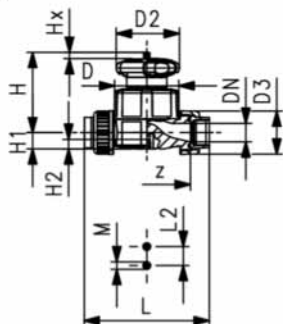
Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	161 637 612	161 637 632
¾	20	10/10*	271	161 637 613	161 637 633
1	25	10/10*	481	161 637 614	161 637 634
1 ¼	32	10/10*	759	161 637 615	161 637 635
1 ½	40	10/10*	1263	161 637 616	161 637 636
2	50	10/10*	1728	161 637 617	161 637 637

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	96	⅜	95	60	16	130	25	127	14	12	68	25	16	57	M6
¾	96	⅜	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	⅜	115	79	16	160	25	167	22	12	93	26	26	69	M6
1 ¼	150	¼	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 ½	180	¼	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	¼	165	121	19	230	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U SF With solvent cement sockets BS



Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

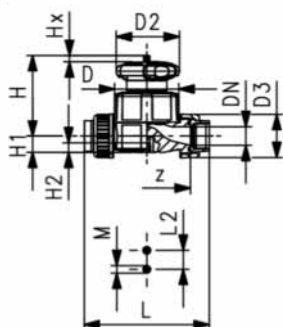
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 522	161 514 572
3/4	20	10	271	161 514 523	161 514 573
1	25	10	481	161 514 524	161 514 574
1 1/4	32	10	759	161 514 525	161 514 575
1 1/2	40	10	1263	161 514 526	161 514 576
2	50	10	1728	161 514 527	161 514 577

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	128	25	73	14	12	M6	96	7
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 1/4	101	87	72	192	45	115	26	15	M8	140	15
1 1/2	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valve type 514 PVC-U SF With solvent cement sockets ASTM



Model:

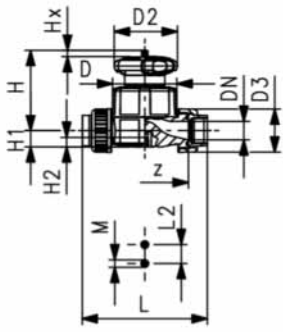
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 622	161 514 672
3/4	20	10	271	161 514 623	161 514 673
1	25	10	481	161 514 624	161 514 674
1 1/4	32	10	759	161 514 625	161 514 675
1 1/2	40	10	1263	161 514 626	161 514 676
2	50	10	1728	161 514 627	161 514 677

table continued next page



Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
½	65	65	43	136	25	73	14	12	M6	96	7	
¾	80	65	51	160	25	81	18	12	M6	114	10	
1	88	87	58	176	25	107	22	12	M6	122	13	
1 ¼	101	87	72	198	45	115	26	15	M8	140	15	
1 ½	117	135	83	232	45	148	32	15	M8	160	19	
2	144	135	100	268	45	166	39	15	M8	190	25	



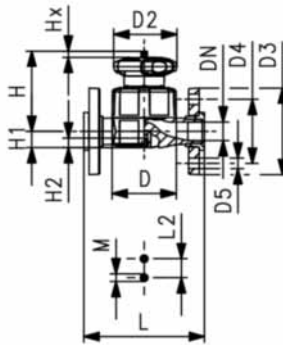
Diaphragm valve type 517 PVC-U SF With backing flanges PVC-U Inch ANSI

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

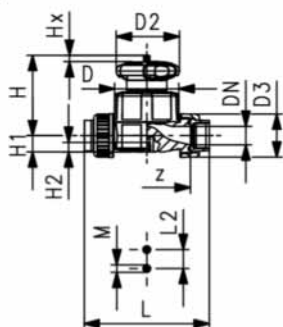


Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 622	161 517 672	
¾	20	10	271	161 517 623	161 517 673	
1	25	10	481	161 517 624	161 517 674	
1 ¼	32	10	759	161 517 625	161 517 675	
1 ½	40	10	1263	161 517 626	161 517 676	
2	50	10	1728	161 517 627	161 517 677	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	60	16	130	25	73	14	12	M6	7	
¾	80	65	105	70	16	150	25	81	18	12	M6	10	
1	88	87	115	79	16	160	25	107	22	12	M6	13	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U With solvent cement sockets JIS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

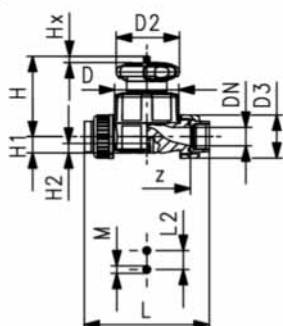
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 812	161 514 832
3/4	20	10	271	161 514 813	161 514 833
1	25	10	481	161 514 814	161 514 834
1 1/4	32	10	759	161 514 815	161 514 835
1 1/2	40	10	1263	161 514 816	161 514 836
2	50	10	1728	161 514 817	161 514 837

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	80	65	51	152	25	81	18	12	M6	120	10
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 1/4	101	87	72	192	45	115	26	15	M8	140	15
1 1/2	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valve type 514 PVC-U With threaded sockets Rc



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

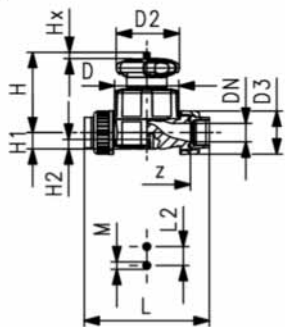
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Rc [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 912	161 514 932
3/4	20	10	271	161 514 913	161 514 933
1	25	10	481	161 514 914	161 514 934
1 1/4	32	10	759	161 514 915	161 514 935
1 1/2	40	10	1263	161 514 916	161 514 936
2	50	10	1728	161 514 917	161 514 937

Rc [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	80	65	51	152	25	81	18	12	M6	120	10
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13

table continued next page



Rc [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1 ¼	101	87	72	192	45	115	26	15	M8	140	15	
1 ½	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



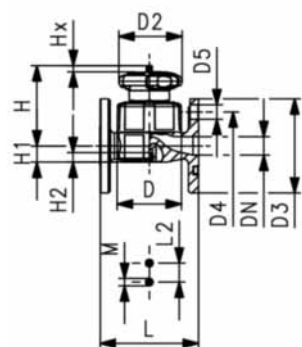
Diaphragm valve type 517 PVC-U With fixed flanges PVC-U JIS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



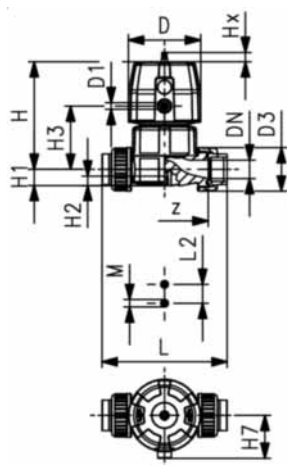
Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 912	161 517 932	
¾	20	10	271	161 517 913	161 517 933	
1	25	10	481	161 517 914	161 517 934	
1 ¼	32	10	759	161 517 915	161 517 935	
1 ½	40	10	1263	161 517 916	161 517 936	
2	50	10	1728	161 517 917	161 517 937	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	70	15	110	25	73	14	12	M6	7	
¾	80	65	100	75	15	120	25	81	18	12	M6	10	
1	88	87	125	90	19	130	25	107	22	12	M6	13	
1 ¼	101	87	135	100	19	180	45	115	26	15	M8	15	
1 ½	117	135	140	105	19	180	45	148	32	15	M8	19	
2	144	135	155	120	19	210	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with solvent cement sockets JIS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

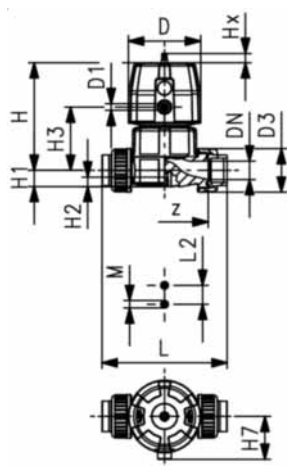
Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	161 614 812	
3/4	20	6	271	161 614 813	
1	25	6	481	161 614 814	
1 1/4	32	6	759	161 614 815	
1 1/2	40	6	1263	161 614 816	
2	50	6	1728	161 614 817	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	1/8	152	25	132	18	12	73	57	M6	120	10	
3/4	96	1/8	152	25	132	18	12	73	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	69	M6	140	14	
1 1/2	120	1/8	222	45	193	32	15	119	69	M6	160	16	
2	120	1/8	266	45	205	39	15	132	69	M6	190	16	

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with threaded sockets Rc



Model:

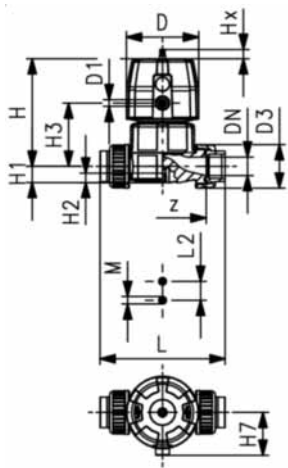
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

Rc [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	161 614 912	
3/4	20	6	271	161 614 913	
1	25	6	481	161 614 914	
1 1/4	32	6	759	161 614 915	
1 1/2	40	6	1263	161 614 916	
2	50	6	1728	161 614 917	

table continued next page



Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	96	⅜	152	25	132	18	12	73	57	M6	120	10	
¾	96	⅜	152	25	132	18	12	73	57	M6	114	10	
1	96	⅜	166	25	143	22	12	84	57	M6	122	13	
1 ¼	120	⅜	192	45	173	26	15	99	69	M6	140	14	
1 ½	120	⅜	222	45	193	32	15	119	69	M6	160	16	
2	120	⅜	266	45	205	39	15	132	69	M6	190	16	



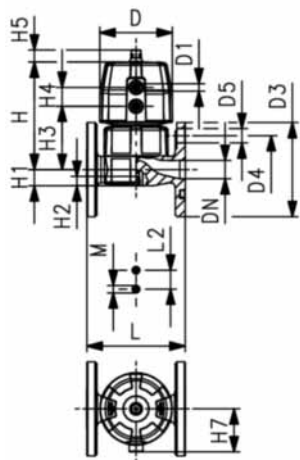
Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) With fixed flanges PVC-U JIS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)



Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
½	15	6	125	161 617 912	
¾	20	6	271	161 617 913	
1	25	6	481	161 617 914	
1 ¼	32	6	759	161 617 915	
1 ½	40	6	1263	161 617 916	
2	50	6	1728	161 617 917	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
½	68	⅜	95	70	15	110	25	101	14	12	60	43	M6	7	
¾	96	⅜	100	75	15	120	25	132	18	12	73	57	M6	10	
1	96	⅜	125	90	15	130	25	143	22	12	84	57	M6	13	
1 ¼	120	⅜	135	100	19	180	45	173	26	15	99	69	M6	14	
1 ½	120	⅜	140	105	19	180	45	193	32	15	119	69	M6	16	
2	120	⅜	155	120	19	210	45	205	39	15	132	69	M6	16	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets JIS

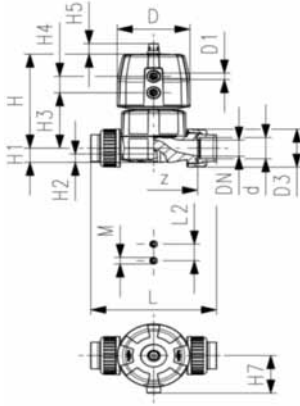
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 812	161 624 832
3/4	20	10/10*	271	161 624 813	161 624 833
1	25	10/10*	481	161 624 814	161 624 834
1 1/4	32	10/10*	759	161 624 815	161 624 835
1 1/2	40	10/10*	1263	161 624 816	161 624 836
2	50	10/6*	1728	161 624 817	161 624 837

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	144	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with threaded sockets Rc

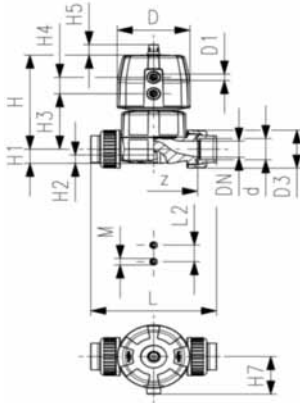
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

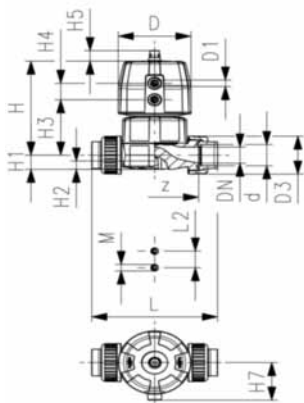
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



Rc [inch]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 912	161 624 932
3/4	20	10/10*	271	161 624 913	161 624 933
1	25	10/10*	481	161 624 914	161 624 934
1 1/4	32	10/10*	759	161 624 915	161 624 935
1 1/2	40	10/10*	1263	161 624 916	161 624 936
2	50	10/6*	1728	161 624 917	161 624 937

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Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	96	⅜	152	25	132	18	12	73	25	16	57	M6	120	10
¾	96	⅜	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅜	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅜	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	120	¼	222	45	214	32	15	119	36	26	88	M8	160	19
2	120	¼	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) With fixed flanges PVC-U JIS

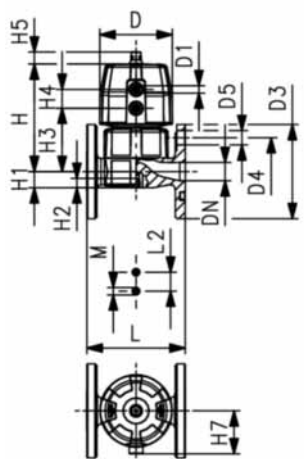
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	161 627 912	161 627 932
¾	20	10/10*	271	161 627 913	161 627 933
1	25	10/10*	481	161 627 914	161 627 934
1 ¼	32	10/10*	759	161 627 915	161 627 935
1 ½	40	10/10*	1263	161 627 916	161 627 936
2	50	10/6*	1728	161 627 917	161 627 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅜	95	70	15	110	25	101	14	12	60	24	16	43	M6
¾	96	⅜	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	⅜	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅜	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¼	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	¼	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



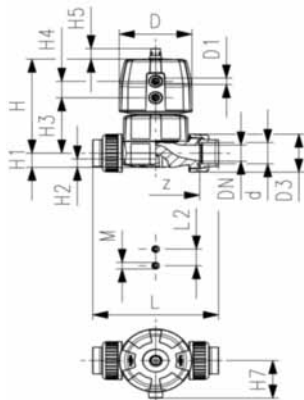
Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets JIS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 644 812	161 644 832
3/4	20	10	271	161 644 813	161 644 833
1	25	10	481	161 644 814	161 644 834
1 1/4	32	10	759	161 644 815	161 644 835
1 1/2	40	10	1263	161 644 816	161 644 836
2	50	10	1728	161 644 817	161 644 837

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



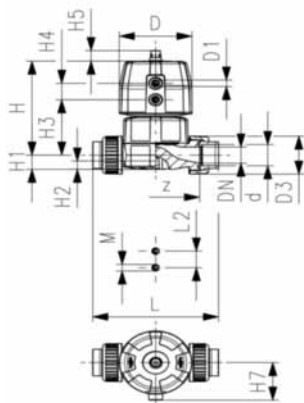
Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with threaded sockets Rc

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

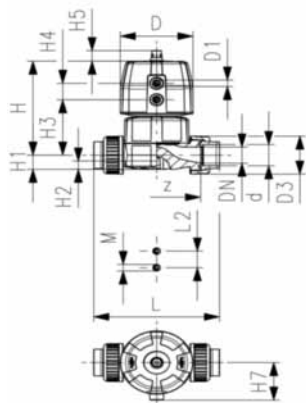
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration



Rc [inch]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 644 912	161 644 932
3/4	20	10	271	161 644 913	161 644 933
1	25	10	481	161 644 914	161 644 934
1 1/4	32	10	759	161 644 915	161 644 935
1 1/2	40	10	1263	161 644 916	161 644 936
2	50	10	1728	161 644 917	161 644 937

Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13

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Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	69	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	69	M8	190	23



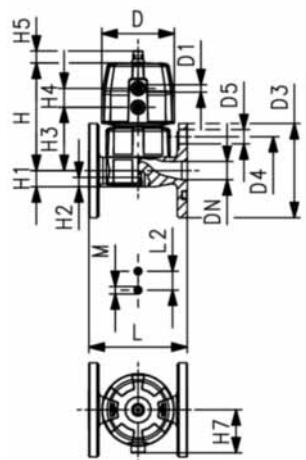
Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With fixed flanges PVC-U JIS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	161 647 912	161 647 932
¾	20	10	271	161 647 913	161 647 933
1	25	10	481	161 647 914	161 647 934
1 ¼	32	10	759	161 647 915	161 647 935
1 ½	40	10	1263	161 647 916	161 647 936
2	50	10	1728	161 647 917	161 647 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	70	15	110	25	101	14	12	60	24	16	43	M6
¾	96	⅝	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	⅝	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	¾	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



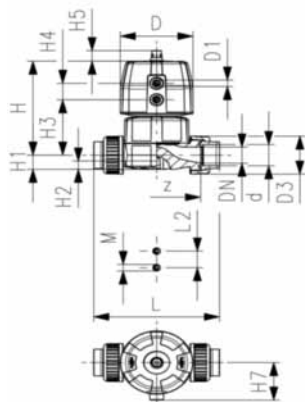
Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with solvent cement sockets JIS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 654 812	161 654 832
3/4	20	10	271	161 654 813	161 654 833
1	25	10	481	161 654 814	161 654 834
1 1/4	32	10	759	161 654 815	161 654 835
1 1/2	40	10	1263	161 654 816	161 654 836
2	50	10	1728	161 654 817	161 654 837

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



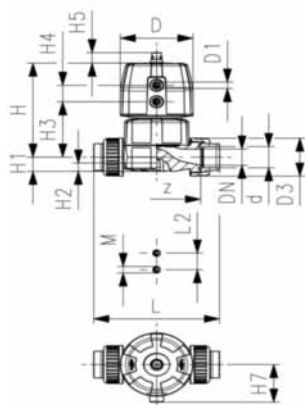
Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with threaded sockets Rc

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

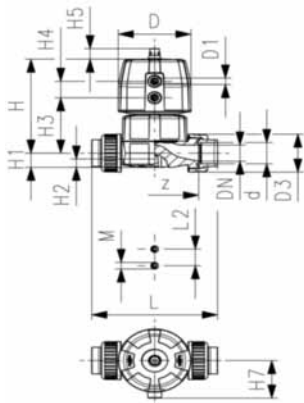
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration



Rc [inch]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 654 912	161 654 932
3/4	20	10	271	161 654 913	161 654 933
1	25	10	481	161 654 914	161 654 934
1 1/4	32	10	759	161 654 915	161 654 935
1 1/2	40	10	1263	161 654 916	161 654 936
2	50	10	1728	161 654 917	161 654 937

Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13

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Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	69	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	69	M8	190	23



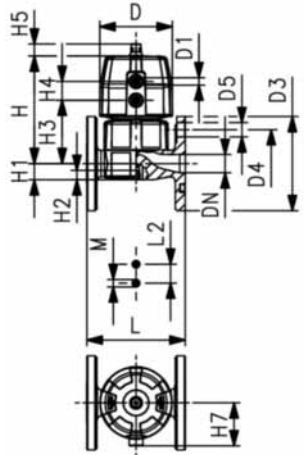
Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With fixed flanges PVC-U JIS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	161 657 912	161 657 932
¾	20	10	271	161 657 913	161 657 933
1	25	10	481	161 657 914	161 657 934
1 ¼	32	10	759	161 657 915	161 657 935
1 ½	40	10	1263	161 657 916	161 657 936
2	50	10	1728	161 657 917	161 657 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	70	15	110	25	101	14	12	60	24	16	43	M6
¾	96	⅝	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	⅝	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	¾	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



Diaphragm valve DIASTAR Sixteen PVC-U FC (Fail safe to close) Unions with solvent cement sockets JIS

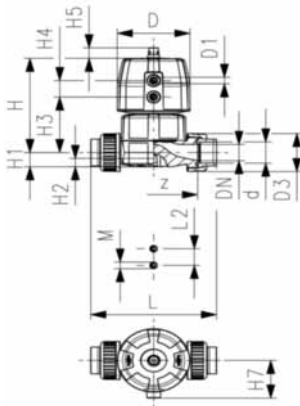
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	16/16*	125	161 634 812	161 634 832
3/4	20	16/16*	271	161 634 813	161 634 833
1	25	16/16*	481	161 634 814	161 634 834
1 1/4	32	16/16*	759	161 634 815	161 634 835
1 1/2	40	16/16*	1263	161 634 816	161 634 836
2	50	16/10*	1728	161 634 817	161 634 837

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13
1 1/4	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15
1 1/2	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR Sixteen PVC-U FC (Fail safe to close) Unions with threaded sockets Rc

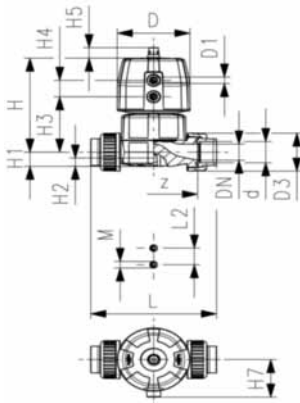
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

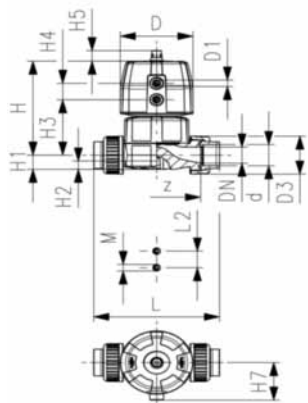
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE/EPDM



Rc [inch]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	16/16*	125	161 634 912	161 634 932
3/4	20	16/16*	271	161 634 913	161 634 933
1	25	16/16*	481	161 634 914	161 634 934
1 1/4	32	16/16*	759	161 634 915	161 634 935
1 1/2	40	16/16*	1263	161 634 916	161 634 936
2	50	16/10*	1728	161 634 917	161 634 937

table continued next page



Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	96	⅜	152	25	132	18	12	73	25	16	57	M6	120	10
¾	96	⅜	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	⅜	166	25	167	22	12	93	26	26	69	M6	122	13
1 ¼	150	¼	192	45	196	26	15	101	36	26	88	M8	140	15
1 ½	180	¼	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	¼	266	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR Sixteen PVC-U FC (Fail safe to close) With fixed flanges PVC-U JIS

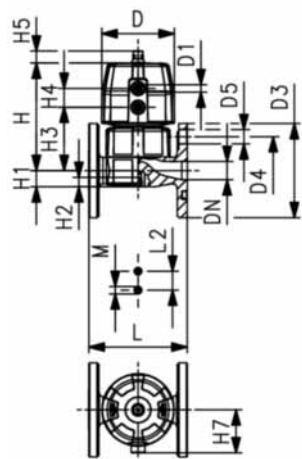
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



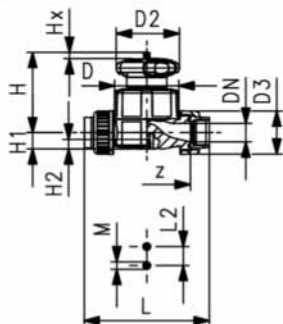
Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	161 637 912	161 637 932
¾	20	10/10*	271	161 637 913	161 637 933
1	25	10/10*	481	161 637 914	161 637 934
1 ¼	32	10/10*	759	161 637 915	161 637 935
1 ½	40	10/10*	1263	161 637 916	161 637 936
2	50	10/10*	1728	161 637 917	161 637 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	96	⅜	95	70	15	110	25	127	14	12	68	25	16	57	M6
¾	96	⅜	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	⅜	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 ¼	150	¼	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 ½	180	¼	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	¼	155	120	19	210	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U OF With solvent cement sockets JIS



Model:

- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

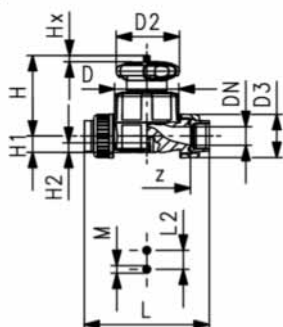
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 822	161 514 872
3/4	20	10	271	161 514 823	161 514 873
1	25	10	481	161 514 824	161 514 874
1 1/4	32	10	759	161 514 825	161 514 875
1 1/2	40	10	1263	161 514 826	161 514 876
2	50	10	1728	161 514 827	161 514 877

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	80	65	51	152	25	81	18	12	M6	120	10
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 1/4	101	87	72	192	45	115	26	15	M8	140	15
1 1/2	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valve type 514 PVC-U OF With threaded sockets Rc



Model:

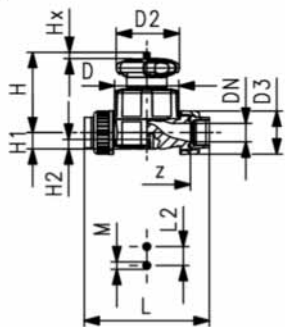
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Rc [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 922	161 514 972
3/4	20	10	271	161 514 923	161 514 973
1	25	10	481	161 514 924	161 514 974
1 1/4	32	10	759	161 514 925	161 514 975
1 1/2	40	10	1263	161 514 926	161 514 976
2	50	10	1728	161 514 927	161 514 977

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Rc [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
½	80	65	51	152	25	81	18	12	M6	120	110	
¾	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 ¼	101	87	72	192	45	115	26	15	M8	140	15	
1 ½	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



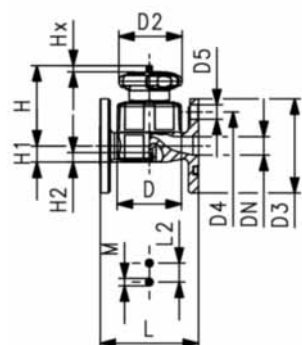
Diaphragm valve type 517 PVC-U OF With fixed flanges PVC-U JIS

Model:

- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 922	161 517 972	
¾	20	10	271	161 517 923	161 517 973	
1	25	10	481	161 517 924	161 517 974	
1 ¼	32	10	759	161 517 925	161 517 975	
1 ½	40	10	1263	161 517 926	161 517 976	
2	50	10	1728	161 517 927	161 517 977	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	70	15	110	25	73	14	12	M6	7	
¾	80	65	100	75	15	120	25	81	18	12	M6	10	
1	88	87	125	90	19	130	25	107	22	12	M6	13	
1 ¼	101	87	135	100	19	180	45	115	26	15	M8	15	
1 ½	117	135	140	105	19	180	45	148	32	15	M8	19	
2	144	135	155	120	19	210	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U SF FC (Fail safe to close) With fixed flanges PVC-U JIS

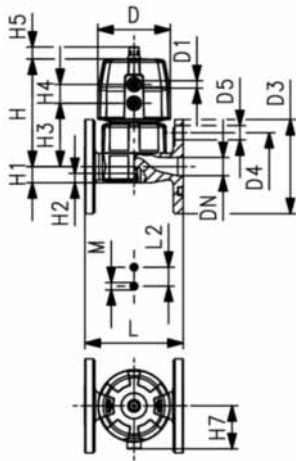


Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
1/2	15	6	125	161 617 922										
3/4	20	6	271	161 617 923										
1	25	6	481	161 617 924										
1 1/4	32	6	759	161 617 925										
1 1/2	40	6	1263	161 617 926										
2	50	6	1728	161 617 927										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
1/2	68	1/8	95	70	15	110	25	101	14	12	60	43	M6	7
3/4	96	1/8	100	75	15	120	25	132	18	12	73	57	M6	10
1	96	1/8	125	90	15	130	25	143	22	12	84	57	M6	13
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	69	M6	14
1 1/2	120	1/8	140	105	19	180	45	193	32	15	119	69	M6	16
2	120	1/8	155	120	19	210	45	205	39	15	132	69	M6	16



Diaphragm valve DIASTAR Ten PVC-U SF FC (Fail safe to close) With fixed flanges PVC-U JIS

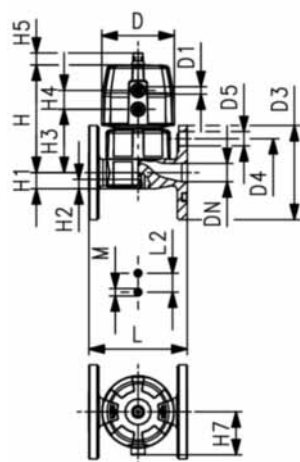
Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	161 627 922	161 627 972
¾	20	10/10*	271	161 627 923	161 627 973
1	25	10/10*	481	161 627 924	161 627 974
1 ¼	32	10/10*	759	161 627 925	161 627 975
1 ½	40	10/10*	1263	161 627 926	161 627 976
2	50	10/6*	1728	161 627 927	161 627 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	¾	95	70	15	110	25	101	14	12	60	24	16	43	M6
¾	96	¾	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	¾	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 ¼	120	¾	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	¾	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



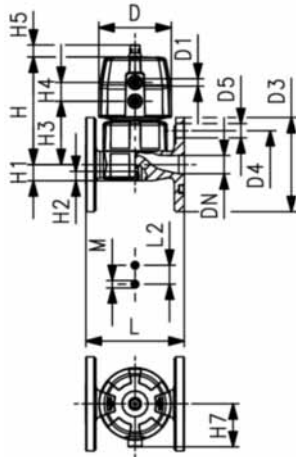
Diaphragm valve DIASTAR Ten PVC-U SF FO (Fail safe to open) With fixed flanges PVC-U JIS

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 647 922	161 647 972
3/4	20	10	271	161 647 923	161 647 973
1	25	10	481	161 647 924	161 647 974
1 1/4	32	10	759	161 647 925	161 647 975
1 1/2	40	10	1263	161 647 926	161 647 976
2	50	10	1728	161 647 927	161 647 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



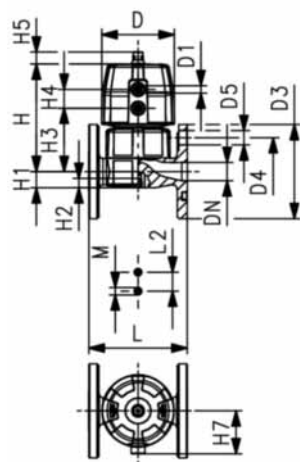
Diaphragm valve DIASTAR Ten PVC-U SF DA (Double acting) With fixed flanges PVC-U JIS

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 657 922	161 657 972
3/4	20	10	271	161 657 923	161 657 973
1	25	10	481	161 657 924	161 657 974
1 1/4	32	10	759	161 657 925	161 657 975
1 1/2	40	10	1263	161 657 926	161 657 976
2	50	10	1728	161 657 927	161 657 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



Diaphragm valve DIASTAR Sixteen PVC-U SF FC (Fail safe to close) With fixed flanges PVC-U JIS

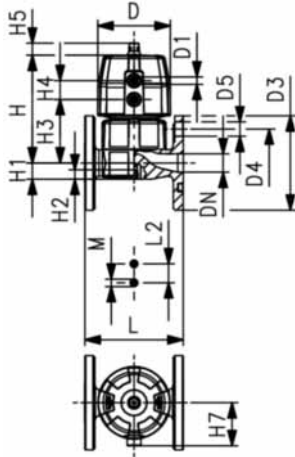
Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



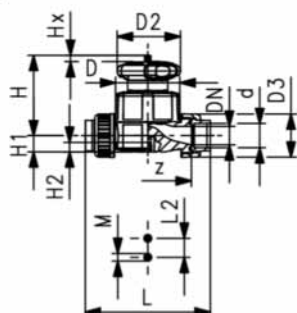
Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 637 922	161 637 972
3/4	20	10/10*	271	161 637 923	161 637 973
1	25	10/10*	481	161 637 924	161 637 974
1 1/4	32	10/10*	759	161 637 925	161 637 975
1 1/2	40	10/10*	1263	161 637 926	161 637 976
2	50	10/10*	1728	161 637 927	161 637 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-C With solvent cement sockets metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

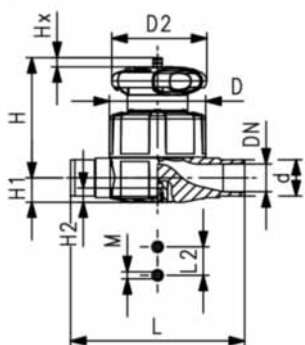
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 514 012	163 514 032
25	20	10	271	163 514 013	163 514 033
32	25	10	481	163 514 014	163 514 034
40	32	10	759	163 514 015	163 514 035
50	40	10	1263	163 514 016	163 514 036
63	50	10	1728	163 514 017	163 514 037

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valve type 515 PVC-C With solvent cement spigots metric



Model:

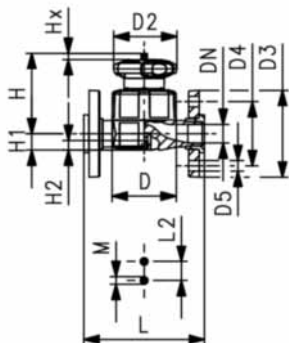
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 515 012	163 515 032
25	20	10	271	163 515 013	163 515 033
32	25	10	481	163 515 014	163 515 034
40	32	10	759	163 515 015	163 515 035
50	40	10	1263	163 515 016	163 515 036
63	50	10	1728	163 515 017	163 515 037

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	154	25	107	22	12	M6	13
40	101	87	174	45	115	26	15	M8	15
50	117	135	194	45	148	32	15	M8	19
63	144	135	224	45	166	39	15	M8	25



Diaphragm valve type 517 PVC-C With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 517 112	163 517 132
25	20	10	271	163 517 113	163 517 133
32	25	10	481	163 517 114	163 517 134
40	32	10	759	163 517 115	163 517 135
50	40	10	1263	163 517 116	163 517 136
63	50	10	1728	163 517 117	163 517 137

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13
40	101	87	140	100	18	180	45	115	26	15	M8	15
50	117	135	150	110	18	200	45	148	32	15	M8	19
63	144	135	165	125	18	230	45	166	39	15	M8	25

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close)

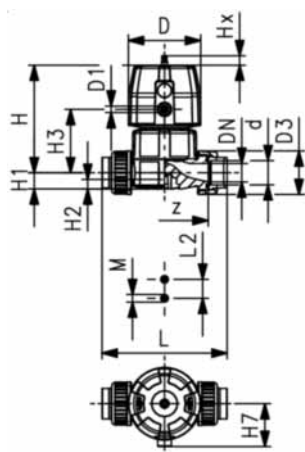
Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code
20	15	6	125	163 614 012
25	20	6	271	163 614 013
32	25	6	481	163 614 014
40	32	6	759	163 614 015
50	40	6	1263	163 614 016
63	50	6	1728	163 614 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	69	M8	140	14
50	120	1/8	222	45	193	32	15	119	69	M8	160	16
63	120	1/8	266	45	205	39	15	132	69	M8	190	16

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close)

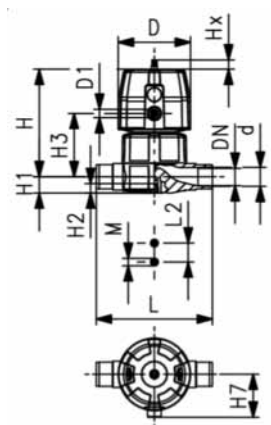
With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

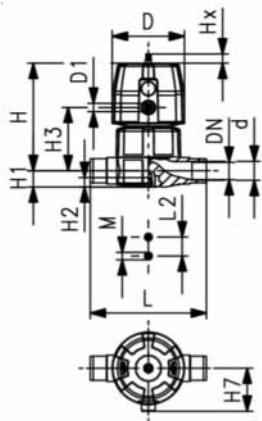
- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code
20	15	6	125	163 615 012
25	20	6	271	163 615 013
32	25	6	481	163 615 014
40	32	6	759	163 615 015
50	40	6	1263	163 615 016
63	50	6	1728	163 615 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	43	M6	7
25	96	1/8	144	25	132	18	12	73	57	M6	10
32	96	1/8	154	25	143	22	12	84	57	M6	13

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
40	120	1/8	174	45	173	26	15	99	69	M8	14	
50	120	1/8	194	45	193	32	15	119	69	M8	16	
63	120	1/8	224	45	205	39	15	132	69	M8	16	



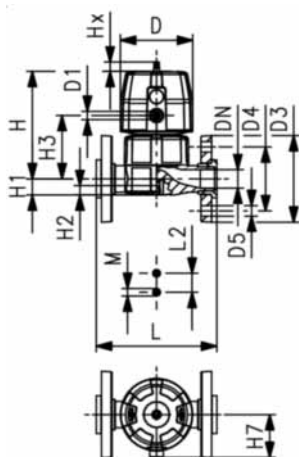
Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	6	125	163 617 112	
25	20	6	271	163 617 113	
32	25	6	481	163 617 114	
40	32	6	759	163 617 115	
50	40	6	1263	163 617 116	
63	50	6	1728	163 617 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7	
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10	
32	96	1/8	115	85	14	160	25	143	22	12	84	57	M6	13	
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14	
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16	
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) Unions with solvent cement sockets metric

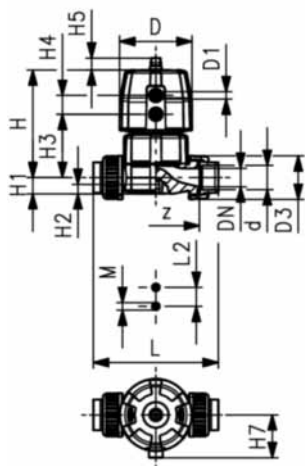
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	163 624 012	163 624 032
25	20	10/10*	271	163 624 013	163 624 033
32	25	10/10*	481	163 624 014	163 624 034
40	32	10/10*	759	163 624 015	163 624 035
50	40	10/10*	1263	163 624 016	163 624 036
63	50	10/6*	1728	163 624 017	163 624 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) With solvent cement spigots metric

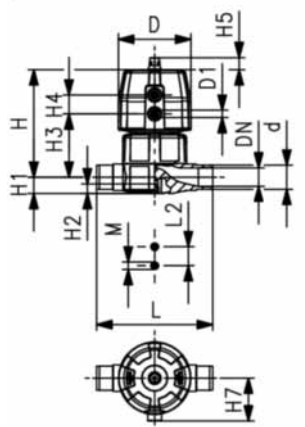
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

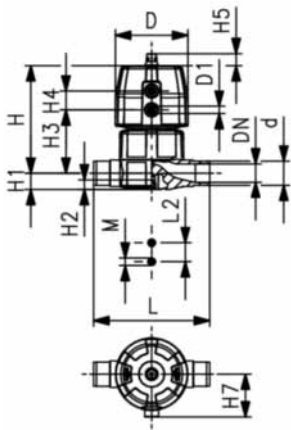
* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	163 625 012	163 625 032
25	20	10/10*	271	163 625 013	163 625 033
32	25	10/10*	481	163 625 014	163 625 034
40	32	10/10*	759	163 625 015	163 625 035
50	40	10/10*	1263	163 625 016	163 625 036
63	50	10/6*	1728	163 625 017	163 625 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) With backing flanges PP-V metric/BS

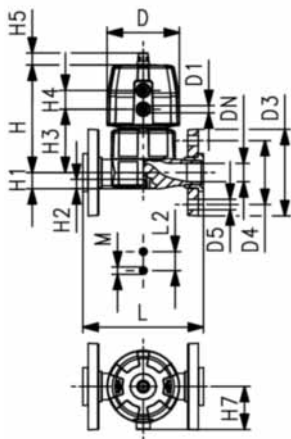
Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 627 112	163 627 132	
25	20	10/10*	271	163 627 113	163 627 133	
32	25	10/10*	481	163 627 114	163 627 134	
40	32	10/10*	759	163 627 115	163 627 135	
50	40	10/10*	1263	163 627 116	163 627 136	
63	50	10/6*	1728	163 627 117	163 627 137	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



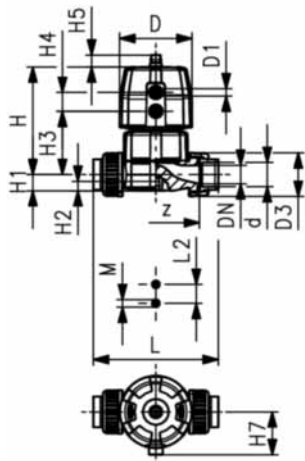
Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 644 012	163 644 032
25	20	10	271	163 644 013	163 644 033
32	25	10	481	163 644 014	163 644 034
40	32	10	759	163 644 015	163 644 035
50	40	10	1263	163 644 016	163 644 036
63	50	10	1728	163 644 017	163 644 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



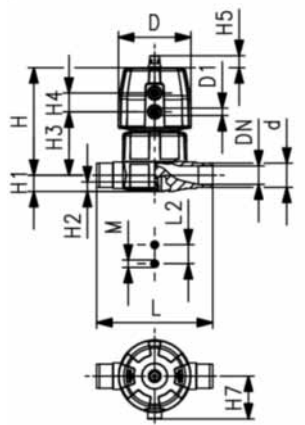
Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 645 012	163 645 032
25	20	10	271	163 645 013	163 645 033
32	25	10	481	163 645 014	163 645 034
40	32	10	759	163 645 015	163 645 035
50	40	10	1263	163 645 016	163 645 036
63	50	10	1728	163 645 017	163 645 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



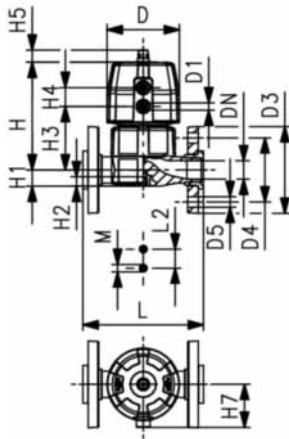
Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 647 112	163 647 132
25	20	10	271	163 647 113	163 647 133
32	25	10	481	163 647 114	163 647 134
40	32	10	759	163 647 115	163 647 135
50	40	10	1263	163 647 116	163 647 136
63	50	10	1728	163 647 117	163 647 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



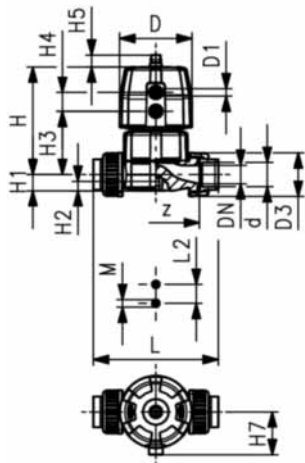
Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 654 012	163 654 032
25	20	10	271	163 654 013	163 654 033
32	25	10	481	163 654 014	163 654 034
40	32	10	759	163 654 015	163 654 035
50	40	10	1263	163 654 016	163 654 036
63	50	10	1728	163 654 017	163 654 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



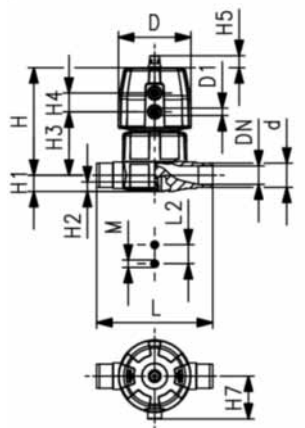
Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 655 012	163 655 032
25	20	10	271	163 655 013	163 655 033
32	25	10	481	163 655 014	163 655 034
40	32	10	759	163 655 015	163 655 035
50	40	10	1263	163 655 016	163 655 036
63	50	10	1728	163 655 017	163 655 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



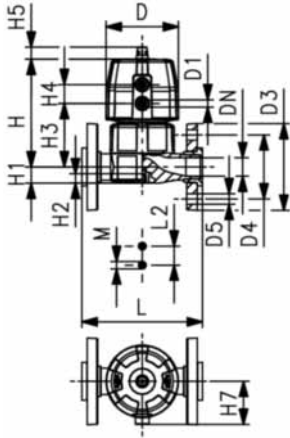
Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 657 112	163 657 132
25	20	10	271	163 657 113	163 657 133
32	25	10	481	163 657 114	163 657 134
40	32	10	759	163 657 115	163 657 135
50	40	10	1263	163 657 116	163 657 136
63	50	10	1728	163 657 117	163 657 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



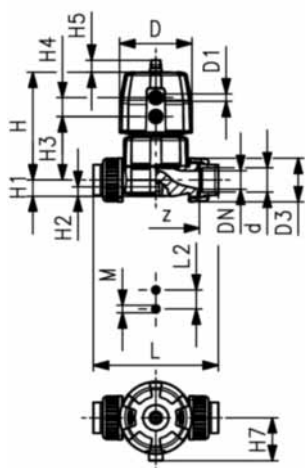
Diaphragm valve DIASTAR Sixteen PVC-C FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 634 012	163 634 032
25	20	10	271	163 634 013	163 634 033
32	25	10	481	163 634 014	163 634 034
40	32	10	759	163 634 015	163 634 035
50	40	10	1263	163 634 016	163 634 036
63	50	10	1728	163 634 017	163 634 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23

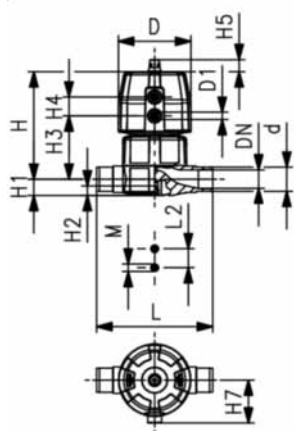
Diaphragm valve DIASTAR Sixteen PVC-C FC (Fail safe to close) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

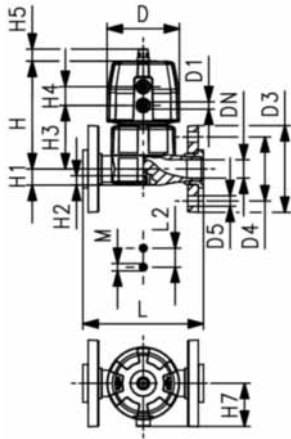
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 635 012	163 635 032
25	20	10	271	163 635 013	163 635 033
32	25	10	481	163 635 014	163 635 034
40	32	10	759	163 635 015	163 635 035
50	40	10	1263	163 635 016	163 635 036
63	50	10	1728	163 635 017	163 635 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23



Diaphragm valve DIASTAR Sixteen PVC-C FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

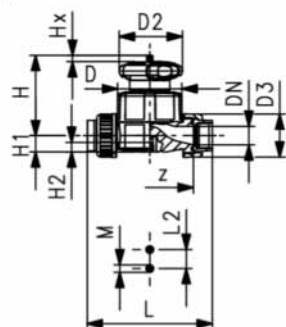
d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 637 112	163 637 132
25	20	10	271	163 637 113	163 637 133
32	25	10	481	163 637 114	163 637 134
40	32	10	759	163 637 115	163 637 135
50	40	10	1263	163 637 116	163 637 136
63	50	10	1728	163 637 117	163 637 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-C With solvent cement sockets ASTM



Model:

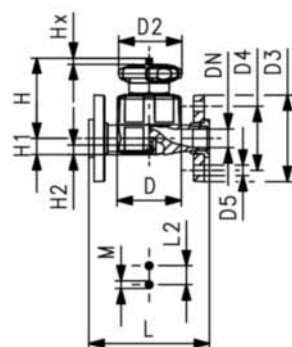
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 514 612	163 514 632
3/4	20	10	271	163 514 613	163 514 633
1	25	10	481	163 514 614	163 514 634
1 1/4	32	10	759	163 514 615	163 514 635
1 1/2	40	10	1263	163 514 616	163 514 636
2	50	10	1728	163 514 617	163 514 637

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	136	25	73	14	12	M6	96	7
3/4	80	65	51	160	25	81	18	12	M6	114	10
1	88	87	58	176	25	107	22	12	M6	122	13
1 1/4	101	87	72	198	45	115	26	15	M8	140	15
1 1/2	117	135	83	232	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25



Diaphragm valve type 517 PVC-C With backing flanges PP-V Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

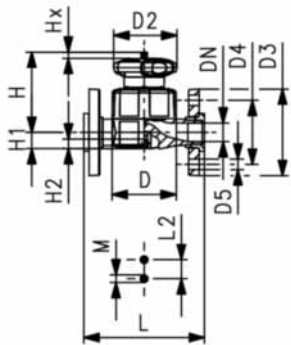
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 517 712	163 517 732
3/4	20	10	271	163 517 713	163 517 733
1	25	10	481	163 517 714	163 517 734
1 1/4	32	10	759	163 517 715	163 517 735
1 1/2	40	10	1263	163 517 716	163 517 736
2	50	10	1728	163 517 717	163 517 737

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	60	16	130	25	73	14	12	M6	7
3/4	80	65	105	70	16	150	25	81	18	12	M6	10
1	88	87	115	79	16	160	25	107	22	12	M6	13

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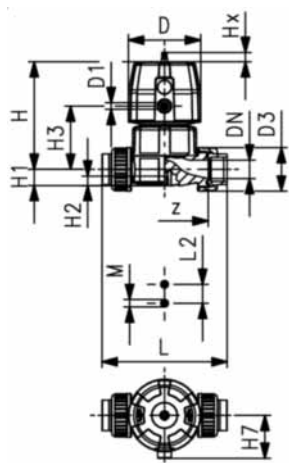


Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close) Unions with solvent cement sockets ASTM



Model:

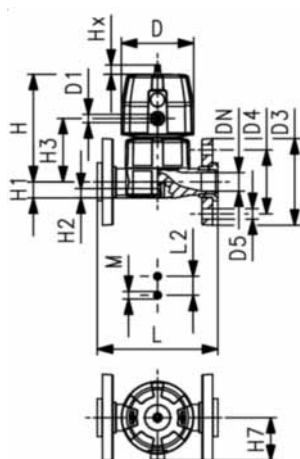
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	163 614 612	
3/4	20	6	271	163 614 613	
1	25	6	481	163 614 614	
1 1/4	32	6	759	163 614 615	
1 1/2	40	6	1263	163 614 616	
2	50	6	1728	163 614 617	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/8	136	25	101	14	12	60	43	M6	96	7	
3/4	96	1/8	160	25	132	18	12	73	57	M6	114	10	
1	96	1/8	176	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/8	198	45	173	26	15	99	69	M8	140	14	
1 1/2	120	1/8	232	45	193	32	15	119	69	M8	160	16	
2	120	1/8	268	45	205	39	15	132	69	M8	190	16	



Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

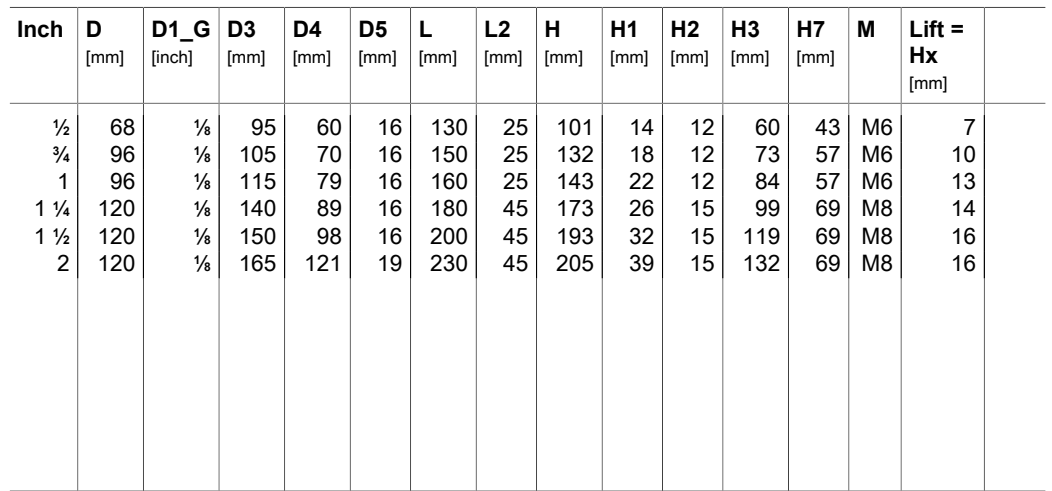
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	163 617 712	
3/4	20	6	271	163 617 713	
1	25	6	481	163 617 714	
1 1/4	32	6	759	163 617 715	
1 1/2	40	6	1263	163 617 716	
2	50	6	1728	163 617 717	

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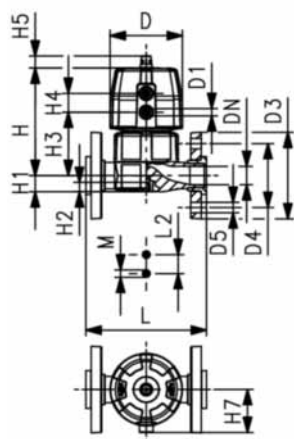
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

Technical drawing of a 100mm diameter ball valve. The drawing includes a side view and a top view. Key dimensions are labeled: H (total height), H1, H2, H3, H4 (height segments), D (ball diameter), D1 (port diameter), DN (nominal diameter), d (thread diameter), D3 (flange outer diameter), L (total length), L2 (port length), M (mounting hole diameter), and H7 (flange thickness).

Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	163 624 612	163 624 632	
3/4	20	10/10*	271	163 624 613	163 624 633	
1	25	10/10*	481	163 624 614	163 624 634	
1 1/4	32	10/10*	759	163 624 615	163 624 635	
1 1/2	40	10/10*	1263	163 624 616	163 624 636	
2	50	10/6*	1728	163 624 617	163 624 637	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	136	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅞	160	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅞	176	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅞	198	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	⅞	232	45	214	32	15	119	36	26	88	M8	160	19
2	150	⅞	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM

Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	163 627 712	163 627 732
3/4	20	10/10*	271	163 627 713	163 627 733
1	25	10/10*	481	163 627 714	163 627 734
1 1/4	32	10/10*	759	163 627 715	163 627 735
1 1/2	40	10/10*	1263	163 627 716	163 627 736
2	50	10/6*	1728	163 627 717	163 627 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



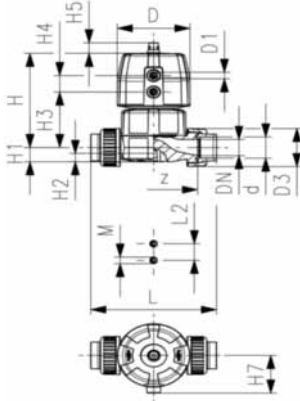
Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) Unions with solvent cement sockets ASTM

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/5*	125	163 644 612	163 644 632
3/4	20	10/6*	271	163 644 613	163 644 633
1	25	10/6*	481	163 644 614	163 644 634
1 1/4	32	10/6*	759	163 644 615	163 644 635
1 1/2	40	10/6*	1263	163 644 616	163 644 636
2	50	10/6*	1728	163 644 617	163 644 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	136	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	160	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	176	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	198	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	232	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23



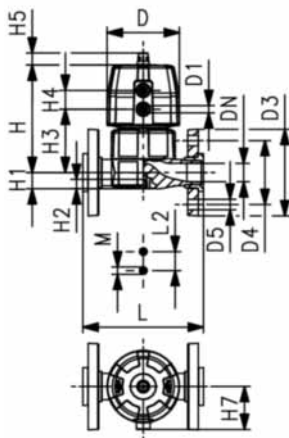
Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) With backing flanges PP-V Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

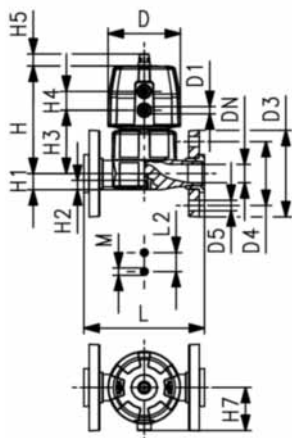
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 647 712	163 647 732
3/4	20	10	271	163 647 713	163 647 733
1	25	10	481	163 647 714	163 647 734
1 1/4	32	10	759	163 647 715	163 647 735
1 1/2	40	10	1263	163 647 716	163 647 736
2	50	10	1728	163 647 717	163 647 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	57	M6

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Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



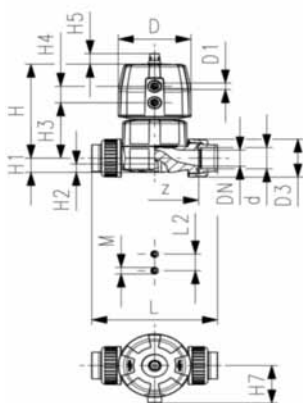
Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) Unions with solvent cement sockets ASTM

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	163 654 612	163 654 632
¾	20	10	271	163 654 613	163 654 633
1	25	10	481	163 654 614	163 654 634
1 ¼	32	10	759	163 654 615	163 654 635
1 ½	40	10	1263	163 654 616	163 654 636
2	50	10	1728	163 654 617	163 654 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	136	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	160	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	176	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	198	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	232	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	268	45	226	39	15	132	36	26	88	M8	190	23



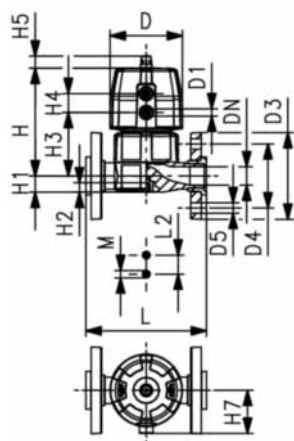
Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) With backing flanges PP-V Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 657 712	163 657 732
3/4	20	10	271	163 657 713	163 657 733
1	25	10	481	163 657 714	163 657 734
1 1/4	32	10	759	163 657 715	163 657 735
1 1/2	40	10	1263	163 657 716	163 657 736
2	50	10	1728	163 657 717	163 657 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



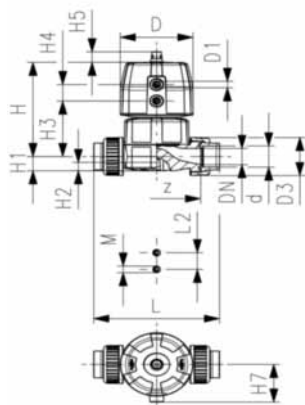
Diaphragm valve DIASTAR Sixteen PVC-C FC (Fail safe to close) Unions with solvent cement sockets ASTM

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 634 612	163 634 632
3/4	20	10	271	163 634 613	163 634 633
1	25	10	481	163 634 614	163 634 634
1 1/4	32	10	759	163 634 615	163 634 635
1 1/2	40	10	1263	163 634 616	163 634 636
2	50	10	1728	163 634 617	163 634 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	3/8	136	25	127	14	12	68	25	16	57	M6	96	7
3/4	96	3/8	160	25	132	18	12	73	25	16	57	M6	114	10
1	120	3/8	176	25	167	22	12	93	26	26	69	M6	122	13
1 1/4	150	1/4	198	45	196	26	15	101	36	26	88	M8	140	15
1 1/2	180	1/4	232	45	239	32	15	124	37	26	103	M8	160	19
2	180	1/4	268	45	251	39	15	137	37	26	103	M8	190	23

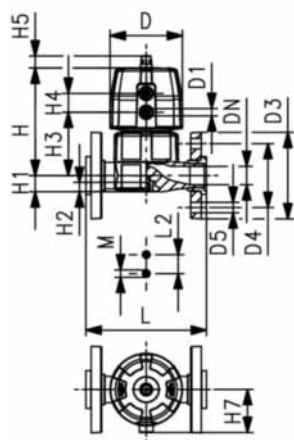
Diaphragm valve DIASTAR Sixteen PVC-C FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

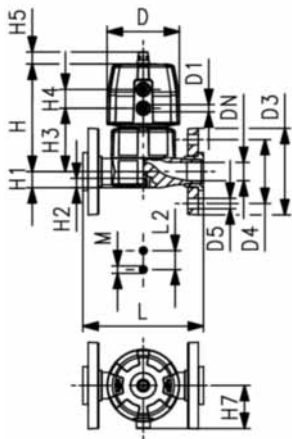
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 637 712	163 637 732
3/4	20	10	271	163 637 713	163 637 733
1	25	10	481	163 637 714	163 637 734
1 1/4	32	10	759	163 637 715	163 637 735
1 1/2	40	10	1263	163 637 716	163 637 736
2	50	10	1728	163 637 717	163 637 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	3/8	95	60	16	130	25	127	14	12	68	25	16	57	M6
3/4	96	3/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	3/8	115	79	16	160	25	167	22	12	93	26	26	69	M6

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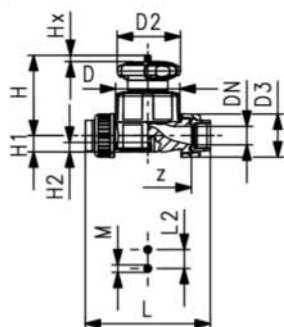


Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1 ¼	150	¼	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 ½	180	¼	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	¼	165	121	19	230	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-C SF With solvent cement sockets ASTM



Model:

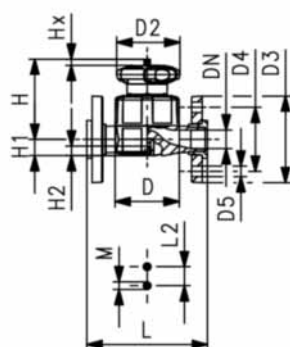
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 514 622	163 514 672
3/4	20	10	271	163 514 623	163 514 673
1	25	10	481	163 514 624	163 514 674
1 1/4	32	10	759	163 514 625	163 514 675
1 1/2	40	10	1263	163 514 626	163 514 676
2	50	10	1728	163 514 627	163 514 677

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	136	25	73	14	12	M6	96	7
3/4	80	65	51	160	25	81	18	12	M6	114	10
1	88	87	58	176	25	107	22	12	M6	122	13
1 1/4	101	87	72	198	45	115	26	15	M8	140	15
1 1/2	117	135	83	232	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25



Diaphragm valve type 517 PVC-C SF With backing flanges PP-V Inch ANSI

Model:

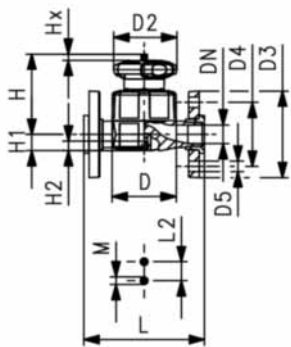
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 517 722	163 517 772
3/4	20	10	271	163 517 723	163 517 773
1	25	10	481	163 517 724	163 517 774
1 1/4	32	10	759	163 517 725	163 517 775
1 1/2	40	10	1263	163 517 726	163 517 776
2	50	10	1728	163 517 727	163 517 777

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Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	60	16	130	25	73	14	12	M6	7	
¾	80	65	105	70	16	150	25	81	18	12	M6	10	
1	88	87	115	79	16	160	25	107	22	12	M6	13	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves new generation

Diaphragm valve type 517 PVC-C With backing flanges PP-V JIS

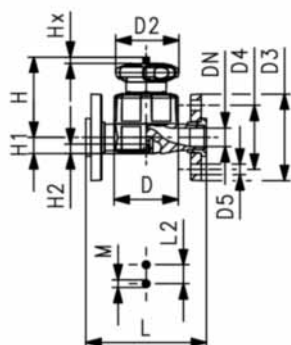


Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



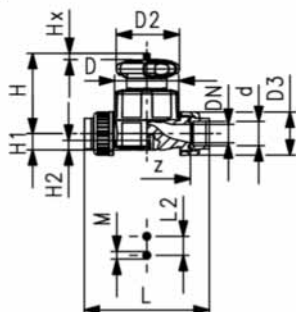
Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10	125	163 517 812	163 517 832	
3/4	20	10	271	163 517 813	163 517 833	
1	25	10	481	163 517 814	163 517 834	
1 1/4	32	10	759	163 517 815	163 517 835	
1 1/2	40	10	1263	163 517 816	163 517 836	
2	50	10	1728	163 517 817	163 517 837	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
1/2	65	65	95	70	15	130	25	73	14	12	M6	7	
3/4	80	65	100	75	15	150	25	81	18	12	M6	10	
1	88	87	125	90	19	160	25	107	22	12	M6	13	
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15	
1 1/2	117	135	140	105	19	200	45	148	32	15	M8	19	
2	144	135	155	120	19	230	45	166	39	15	M8	25	

Diaphragm valves new generation

Diaphragm valve type 514 ABS

With solvent cement sockets metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

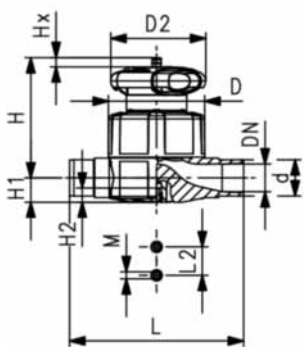
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	169 514 012	169 514 032
25	20	10	271	169 514 013	169 514 033
32	25	10	481	169 514 014	169 514 034
40	32	10	759	169 514 015	169 514 035
50	40	10	1263	169 514 016	169 514 036
63	50	10	1728	169 514 017	169 514 037

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valve type 515 ABS

With solvent cement spigots metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	169 515 012	169 515 032
25	20	10	271	169 515 013	169 515 033
32	25	10	481	169 515 014	169 515 034
40	32	10	759	169 515 015	169 515 035
50	40	10	1263	169 515 016	169 515 036
63	50	10	1728	169 515 017	169 515 037

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	154	25	107	22	12	M6	13
40	101	87	174	45	115	26	15	M8	15
50	117	135	194	45	148	32	15	M8	19
63	144	135	224	45	166	39	15	M8	25

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six ABS

FC (Fail safe to close)

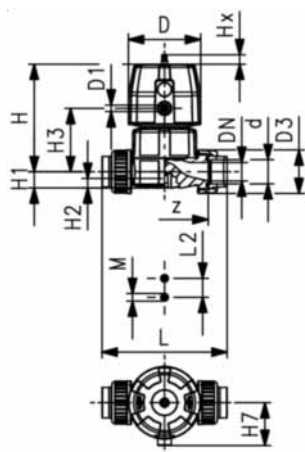
Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	169 614 012
25	20	6	271	169 614 013
32	25	6	481	169 614 014
40	32	6	759	169 614 015
50	40	6	1263	169 614 016
63	50	6	1728	169 614 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	69	M8	140	14
50	120	1/8	222	45	193	32	15	119	69	M8	160	16
63	120	1/8	266	45	205	39	15	132	69	M8	190	16

Diaphragm valve DIASTAR Six ABS

FC (Fail safe to close)

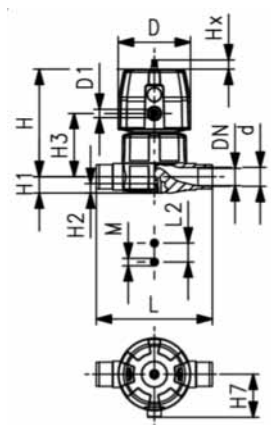
With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

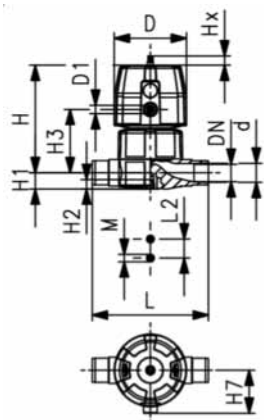
- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	169 615 012
25	20	6	271	169 615 013
32	25	6	481	169 615 014
40	32	6	759	169 615 015
50	40	6	1263	169 615 016
63	50	6	1728	169 615 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	43	M6	7
25	96	1/8	144	25	132	18	12	73	57	M6	10
32	96	1/8	154	25	143	22	12	84	57	M6	13

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
40	120	1/8	174	45	173	26	15	99	69	M8	14	
50	120	1/8	194	45	193	32	15	119	69	M8	16	
63	120	1/8	224	45	205	39	15	132	69	M8	16	



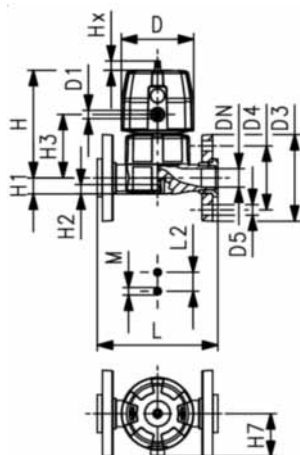
Diaphragm valve DIASTAR Six ABS FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	6	125	169 617 112	
25	20	6	271	169 617 113	
32	25	6	481	169 617 114	
40	32	6	759	169 617 115	
50	40	6	1263	169 617 116	
63	50	6	1728	169 617 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7	
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10	
32	96	1/8	115	85	14	160	25	143	22	12	84	57	M6	13	
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14	
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16	
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16	



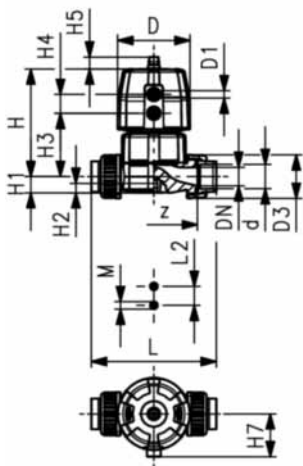
Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 624 012
25	20	10	271	169 624 013
32	25	10	481	169 624 014
40	32	10	759	169 624 015
50	40	10	1263	169 624 016
63	50	10	1728	169 624 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



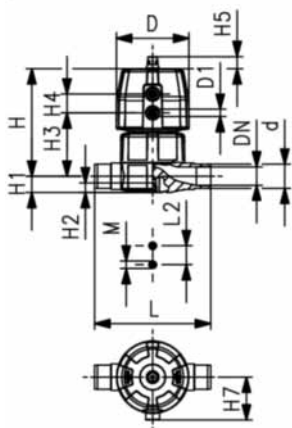
Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

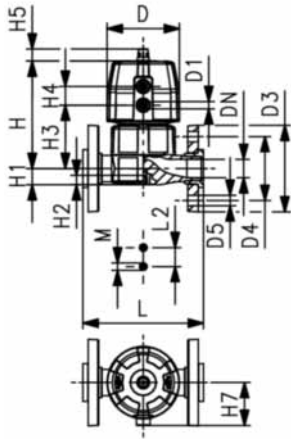
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 625 012
25	20	10	271	169 625 013
32	25	10	481	169 625 014
40	32	10	759	169 625 015
50	40	10	1263	169 625 016
63	50	10	1728	169 625 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 627 112
25	20	10	271	169 627 113
32	25	10	481	169 627 114
40	32	10	759	169 627 115
50	40	10	1263	169 627 116
63	50	10	1728	169 627 117

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



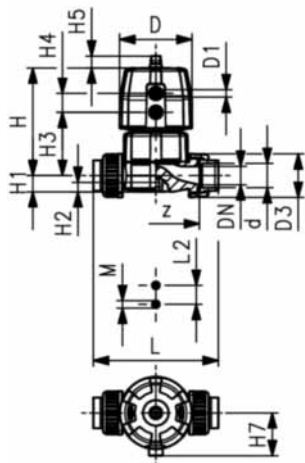
Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 644 012
25	20	10	271	169 644 013
32	25	10	481	169 644 014
40	32	10	759	169 644 015
50	40	10	1263	169 644 016
63	50	10	1728	169 644 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



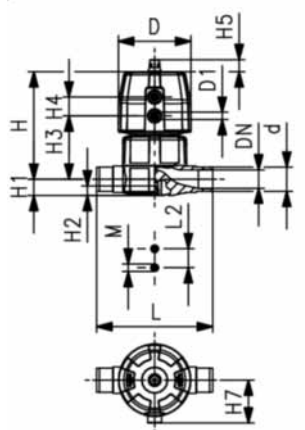
Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 645 012
25	20	10	271	169 645 013
32	25	10	481	169 645 014
40	32	10	759	169 645 015
50	40	10	1263	169 645 016
63	50	10	1728	169 645 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



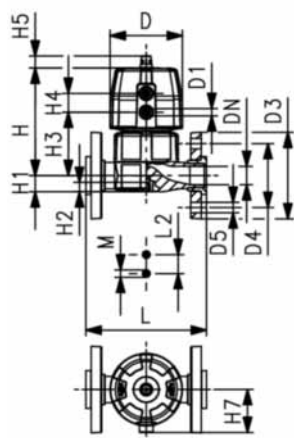
Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 647 112
25	20	10	271	169 647 113
32	25	10	481	169 647 114
40	32	10	759	169 647 115
50	40	10	1263	169 647 116
63	50	10	1728	169 647 117

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



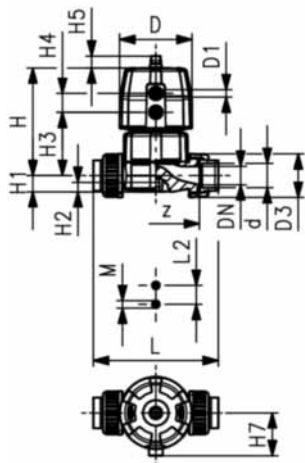
Diaphragm valve DIASTAR Ten ABS DA (Double acting) Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 654 012
25	20	10	271	169 654 013
32	25	10	481	169 654 014
40	32	10	759	169 654 015
50	40	10	1263	169 654 016
63	50	10	1728	169 654 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



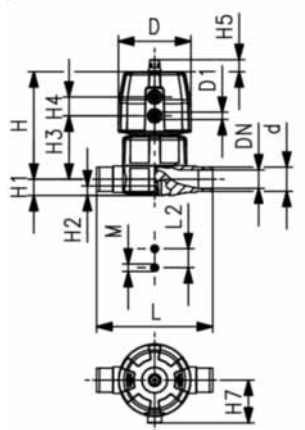
Diaphragm valve DIASTAR Ten ABS DA (Double acting) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 655 012
25	20	10	271	169 655 013
32	25	10	481	169 655 014
40	32	10	759	169 655 015
50	40	10	1263	169 655 016
63	50	10	1728	169 655 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



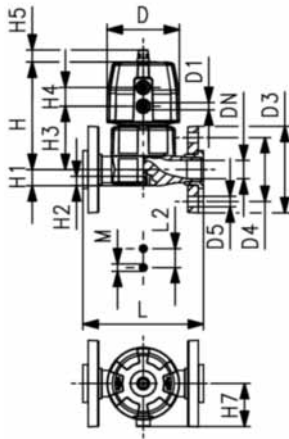
Diaphragm valve DIASTAR Ten ABS DA (Double acting) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 657 112
25	20	10	271	169 657 113
32	25	10	481	169 657 114
40	32	10	759	169 657 115
50	40	10	1263	169 657 116
63	50	10	1728	169 657 117

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



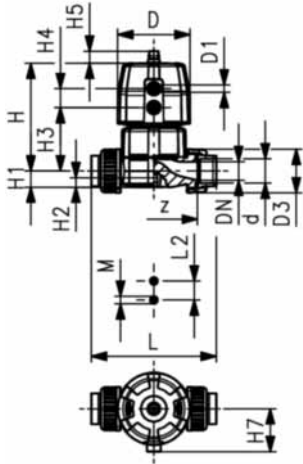
Diaphragm valve DIASTAR Sixteen ABS FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 634 012
25	20	10	271	169 634 013
32	25	10	481	169 634 014
40	32	10	759	169 634 015
50	40	10	1263	169 634 016
63	50	10	1728	169 634 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23



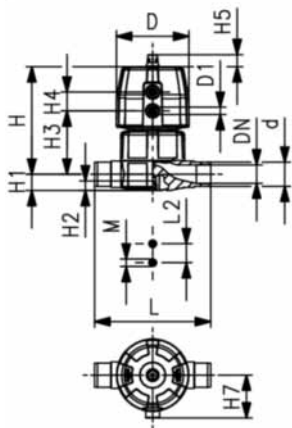
Diaphragm valve DIASTAR Sixteen ABS FC (Fail safe to close) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

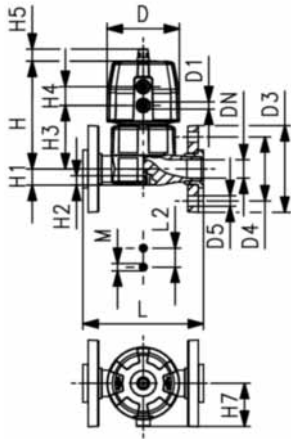
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 635 012
25	20	10	271	169 635 013
32	25	10	481	169 635 014
40	32	10	759	169 635 015
50	40	10	1263	169 635 016
63	50	10	1728	169 635 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23



Diaphragm valve DIASTAR Sixteen ABS FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

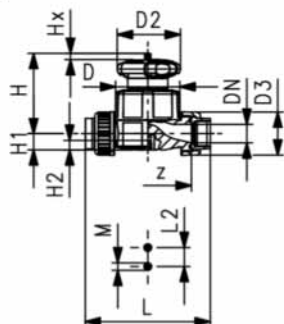
d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	169 637 112
25	20	10	271	169 637 113
32	25	10	481	169 637 114
40	32	10	759	169 637 115
50	40	10	1263	169 637 116
63	50	10	1728	169 637 117

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23

Diaphragm valves new generation

Diaphragm valve type 514 ABS With solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

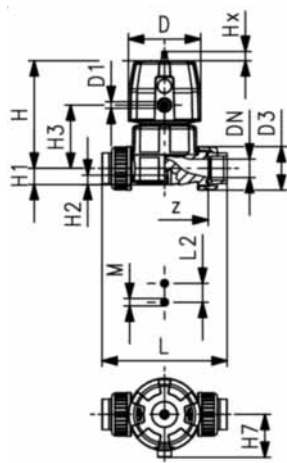
Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10	125	169 514 512	169 514 532	
3/4	20	10	271	169 514 513	169 514 533	
1	25	10	481	169 514 514	169 514 534	
1 1/4	32	10	759	169 514 515	169 514 535	
1 1/2	40	10	1263	169 514 516	169 514 536	
2	50	10	1728	169 514 517	169 514 537	

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	65	65	43	128	25	73	14	12	M6	96	7	
3/4	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 1/4	101	87	72	192	45	115	26	15	M8	140	15	
1 1/2	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six ABS FC (Fail safe to close) Unions with solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

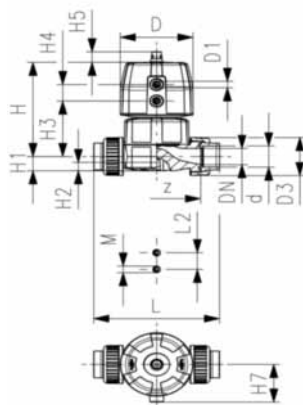
Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	169 614 512	
3/4	20	6	271	169 614 513	
1	25	6	481	169 614 514	
1 1/4	32	6	759	169 614 515	
1 1/2	40	6	1263	169 614 516	
2	50	6	1728	169 614 517	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/8	128	25	101	14	12	60	43	M6	96	7	
3/4	96	1/8	152	25	132	18	12	73	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	69	M8	140	14	
1 1/2	120	1/8	222	45	193	32	15	119	69	M8	160	16	
2	120	1/8	266	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close) Unions with solvent cement sockets BS



Model:

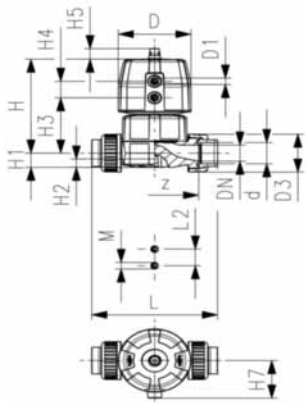
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	10	125	169 624 512	
3/4	20	10	271	169 624 513	
1	25	10	481	169 624 514	
1 1/4	32	10	759	169 624 515	
1 1/2	40	10	1263	169 624 516	
2	50	10	1728	169 624 517	

table continued next page



Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



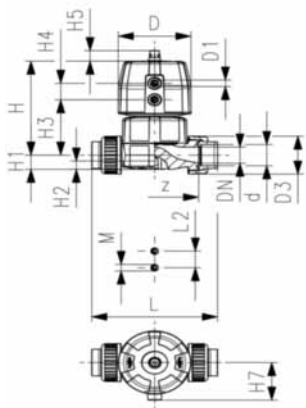
Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) Unions with solvent cement sockets BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code
½	15	10	125	169 644 512
¾	20	10	271	169 644 513
1	25	10	481	169 644 514
1 ¼	32	10	759	169 644 515
1 ½	40	10	1263	169 644 516
2	50	10	1728	169 644 517

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



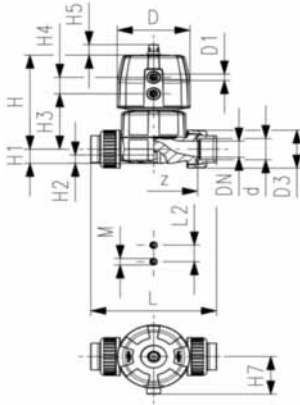
Diaphragm valve DIASTAR Ten ABS DA (Double acting) Unions with solvent cement sockets BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	10	125	169 654 512	
3/4	20	10	271	169 654 513	
1	25	10	481	169 654 514	
1 1/4	32	10	759	169 654 515	
1 1/2	40	10	1263	169 654 516	
2	50	10	1728	169 654 517	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



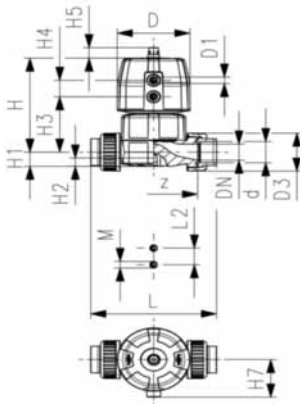
Diaphragm valve DIASTAR Sixteen ABS FC (Fail safe to close) Unions with solvent cement sockets BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	10	125	169 634 512	
3/4	20	10	271	169 634 513	
1	25	10	481	169 634 514	
1 1/4	32	10	759	169 634 515	
1 1/2	40	10	1263	169 634 516	
2	50	10	1728	169 634 517	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	128	25	127	14	12	68	25	16	57	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13
1 1/4	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15
1 1/2	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23

Copiable Configurator +GF+ Diaphragm Valve

Valve body type

- A20 Type 514 - True Union Design
- A21 Type 515 - Spigots
- A22 Type 517 - Flanges
- A23 Type 519 - Branched type

Material

- B05 PP-H
- B06 PP-n
- B15 PVDF
- B16 PVDF HP

Dimension - 2/2 valve (type 514...517)

- C06 DN 15 1/2"
- C07 DN 20 3/4"
- C08 DN 25 1"
- C09 DN 32 1 1/4"
- C10 DN 40 1 1/2"
- C11 DN 50 2"

Dimension - branched type (type 519)

- C50 DN15-15
- C51 DN20-15
- C52 DN20-20
- C53 DN25-15
- C54 DN25-20
- C55 DN25-25
- C56 DN32-15
- C57 DN32-20
- C58 DN32-25
- C59 DN32-32
- C60 DN40-15
- C61 DN40-20
- C62 DN40-25
- C63 DN40-32
- C64 DN40-40
- C65 DN50-15
- C66 DN50-20
- C67 DN50-25
- C68 DN50-32
- C69 DN50-40
- C70 DN50-50
- C71 DN65-32
- C72 DN65-40
- C73 DN65-50
- C74 DN80-15
- C75 DN80-20
- C76 DN80-25
- C77 DN80-40
- C78 DN80-50
- C79 DN100-15
- C80 DN100-20
- C81 DN100-25
- C82 DN100-40
- C83 DN100-50

Version

- D11 standard
- D05 silicone free / oil free

Diaphragm

- E01 EPDM
- E02 FPM
- E11 NBR
- E12 PTFE/EPDM
- E04 PTFE/FPM



Example:

Diastar Sixteen FC with PP-H valve body type 514 and PE butt fusion spigots, FPM diaphragm, DN25

Connecting parts

- H30 PP-H Fusion socket metric
- H32 PP-H Socket fusion spigot metric
- H35 PP-H Butt fusion spigot SDR11 metric IR-PLUS
- H40 PE-80 Fusion socket metric
- H41 PE-100 Butt fusion spigot SDR11 metric
- H43 PE-100 Butt fusion spigot long SDR11 metric
- H46 PP-n Butt fusion spigot SDR11 metric
- H50 PVDF Fusion socket metric
- H51 PVDF Socket fusion spigot metric
- H52 PVDF Butt fusion spigot SDR11 metric IR-PLUS
- H64 Fixed flange PVDF metric
- H65 Fixed flange PP-H JIS
- H66 Fixed flange PVDF JIS
- H72 PPH Backing flange PP-steel metric with PP-H endings
- H72 PVDF Backing flange PP-steel metric with PVDF endings
- H73 PPH Backing flange PP-steel Zoll ANSI with PP-H endings
- H73 PVDF Backing flange PP-steel Zoll ANSI with PVDF endings
- H74 PPH Backing flange PP-V metric with PP-H endings
- H74 PVDF Backing flange PP-V metric with PVDF endings
- H75 PPH Backing flange PP-V ANSI with PP-H endings
- H75 PVDF Backing flange PP-V ANSI with PVDF endings
- H76 Backing flange PP-GF JIS with PVDF endings
- H77 Backing flange PP-GF JIS with PP-H endings
- H85 PVDF valve end blank
- H86 PVDF-HP sterilisation port

Electrical feedback

- I33 Electrical feedback with Ag, Ni limit switches
- I34 Electrical feedback with Au limit switches

Manual actuated: pressure tight housing

- K30 Bonnet pressure tight
- K31 Bonnet not pressure tight

Pressure range

- M01 PN10
- M02 PN16

Pneumatic actuator DIASTAR

- P40 DIASTAR Six FC fail safe to close
- P43 DIASTAR Ten FC fail safe to close
- P44 DIASTAR Sixteen FC fail safe to close
- P45 DIASTAR Sixteen FO fail safe to open
- P46 DIASTAR Sixteen DA double acting
- P47 DIASTAR Ten FO fail safe to open
- P48 DIASTAR Ten DA double acting

A20 B05 C08 D11 E02

H43 I K M P44 =

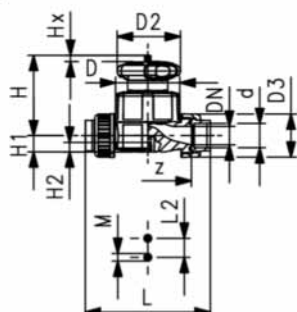


Diaphragm valves new generation

PROGEF Standard

Diaphragm valve type 514

With fusion sockets metric



Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

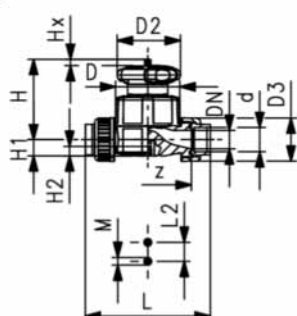
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
20	15	10	125	167 514 002	167 514 012	167 514 032	167 514 062
25	20	10	271	167 514 003	167 514 013	167 514 033	167 514 063
32	25	10	481	167 514 004	167 514 014	167 514 034	167 514 064
40	32	10	759	167 514 005	167 514 015	167 514 035	167 514 065
50	40	10	1263	167 514 006	167 514 016	167 514 036	167 514 066
63	50	10	1728	167 514 007	167 514 017	167 514 037	167 514 067

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	48	128	25	73	14	12	M6	100	7
25	80	65	58	150	25	81	18	12	M6	118	10
32	88	87	65	162	25	107	22	12	M6	126	13
40	101	87	79	184	45	115	26	15	M8	144	15
50	117	135	91	210	45	148	32	15	M8	164	19
63	144	135	111	248	45	166	39	15	M8	194	25

PROGEF Standard

Diaphragm valve type 514

With fusion sockets PE80 metric



Model:

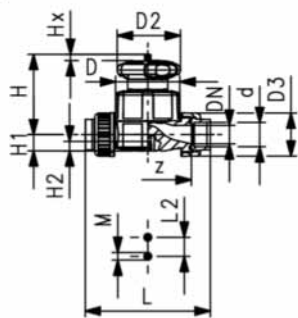
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 514 212	167 514 232
25	20	10	271	167 514 213	167 514 233
32	25	10	481	167 514 214	167 514 234
40	32	10	759	167 514 215	167 514 235
50	40	10	1263	167 514 216	167 514 236
63	50	10	1728	167 514 217	167 514 237

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d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	48	128	25	73	14	12	M6	100	7	
25	80	65	58	150	25	81	18	12	M6	118	10	
32	88	87	65	162	25	107	22	12	M6	126	13	
40	101	87	79	184	45	115	26	15	M8	144	15	
50	117	135	91	210	45	148	32	15	M8	164	19	
63	144	135	111	248	45	166	39	15	M8	194	25	



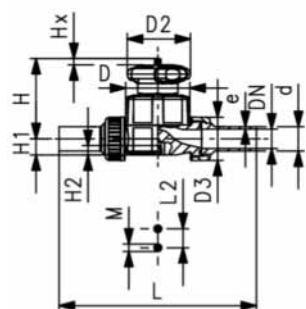
PROGEF Standard Diaphragm valve type 514 With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

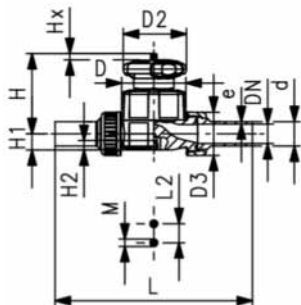
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	167 514 102	167 514 112	167 514 132	167 514 162	
25	20	10	271	167 514 103	167 514 113	167 514 133	167 514 163	
32	25	10	481	167 514 104	167 514 114	167 514 134	167 514 164	
40	32	10	759	167 514 105	167 514 115	167 514 135	167 514 165	
50	40	10	1263	167 514 106	167 514 116	167 514 136	167 514 166	
63	50	10	1728	167 514 107	167 514 117	167 514 137	167 514 167	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	48	224	25	73	14	12	M6	7	1.9	
25	80	65	58	250	25	81	18	12	M6	10	2.3	
32	88	87	65	262	25	107	22	12	M6	13	2.9	
40	101	87	79	296	45	115	26	15	M8	15	3.7	
50	117	135	91	328	45	148	32	15	M8	19	4.6	
63	144	135	111	370	45	166	39	15	M8	25	5.8	



PROGEF Standard Diaphragm valve type 514 With butt and electro fusion ends PE100 SDR11 metric

Model:

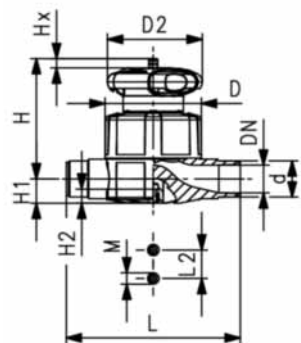
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 514 312	167 514 332	
25	20	10	271	167 514 313	167 514 333	
32	25	10	481	167 514 314	167 514 334	
40	32	10	759	167 514 315	167 514 335	
50	40	10	1263	167 514 316	167 514 336	
63	50	10	1728	167 514 317	167 514 337	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	48	196	25	73	14	12	M6	7	1,9	
25	80	65	58	221	25	81	18	12	M6	10	2,3	
32	88	87	65	234	25	107	22	12	M6	13	2,9	
40	101	87	79	260	45	115	26	15	M8	15	3,7	
50	117	135	91	284	45	148	32	15	M8	19	4,6	
63	144	135	111	321	45	166	39	15	M8	25	5,8	



PROGEF Standard Diaphragm valve type 515 With socket fusion spigots metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

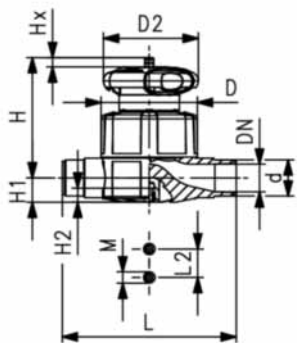
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	167 515 002	167 515 012	167 515 032	167 515 062	
25	20	10	271	167 515 003	167 515 013	167 515 033	167 515 063	
32	25	10	481	167 515 004	167 515 014	167 515 034	167 515 064	
40	32	10	759	167 515 005	167 515 015	167 515 035	167 515 065	
50	40	10	1263	167 515 006	167 515 016	167 515 036	167 515 066	
63	50	10	1728	167 515 007	167 515 017	167 515 037	167 515 067	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	154	25	107	22	12	M6	13	2.9	

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d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
40	101	87	174	45	115	26	15	M8	15	3.7	
50	117	135	194	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



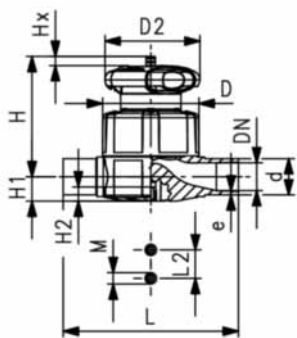
PROGEF Standard Diaphragm valve type 515 With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

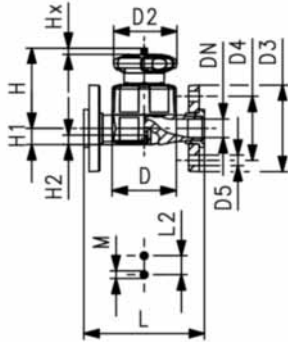
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	167 515 102	167 515 112	167 515 132	167 515 162	
25	20	10	271	167 515 103	167 515 113	167 515 133	167 515 163	
32	25	10	481	167 515 104	167 515 114	167 515 134	167 515 164	
40	32	10	759	167 515 105	167 515 115	167 515 135	167 515 165	
50	40	10	1263	167 515 106	167 515 116	167 515 136	167 515 166	
63	50	10	1728	167 515 107	167 515 117	167 515 137	167 515 167	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	155	25	107	22	12	M6	13	2.9	
40	101	87	176	45	115	26	15	M8	15	3.7	
50	117	135	193	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



PROGEF Standard Diaphragm valve type 517 With backing flanges PP-V metric/BS

Model:

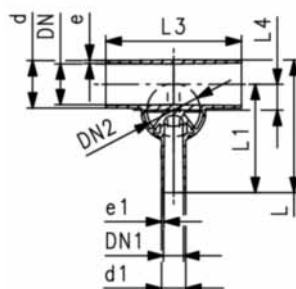
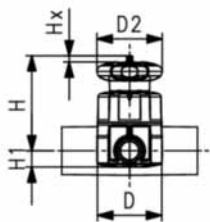
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
20	15	10	125	167 517 102	167 517 112	167 517 132	167 517 162
25	20	10	271	167 517 103	167 517 113	167 517 133	167 517 163
32	25	10	481	167 517 104	167 517 114	167 517 134	167 517 164
40	32	10	759	167 517 105	167 517 115	167 517 135	167 517 165
50	40	10	1263	167 517 106	167 517 116	167 517 136	167 517 166
63	50	10	1728	167 517 107	167 517 117	167 517 137	167 517 167

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13
40	101	87	140	100	18	180	45	115	26	15	M8	15
50	117	135	150	110	18	200	45	148	32	15	M8	19
63	144	135	165	125	18	230	45	166	39	15	M8	25



PROGEF Standard Diaphragm valve type 519 With butt fusion spigots metric

Model:

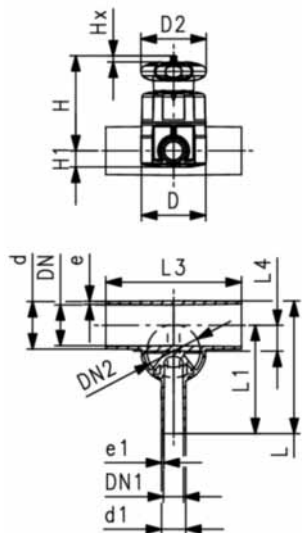
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	20	15	15	15	10	57	167 519 101	167 519 301
25	20	20	15	20	10	89	167 519 103	167 519 303
25	25	20	20	20	10	118	167 519 104	167 519 304
32	20	25	15	20	10	80	167 519 107	167 519 307
32	25	25	20	20	10	105	167 519 108	167 519 308
32	32	25	25	25	10	231	167 519 109	167 519 309
40	20	32	15	25	10	85	167 519 112	167 519 312
50	20	40	15	20	10	86	167 519 118	167 519 318
50	25	40	20	25	10	160	167 519 119	167 519 319
50	32	40	25	25	10	206	167 519 120	167 519 320

table continued next page



d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code			
63	20	50	15	20	10	84	167 519 125	167 519 325			
63	25	50	20	25	10	150	167 519 126	167 519 326			
63	32	50	25	25	10	184	167 519 127	167 519 327			

d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]		
20	65	65	117	96	162	12	75	7	1.9	1.9		
25	80	65	133	108	162	16	80	10	2.3	1.9		
25	80	65	133	108	162	16	80	10	2.3	2.3		
32	80	65	142	120	162	19	84	10	2.9	1.9		
32	80	65	142	120	162	19	84	10	2.9	2.3		
32	88	87	145	120	160	19	107	13	2.9	2.9		
40	88	87	149	128	180	23	115	13	3.7	1.9		
50	80	65	160	134	180	27	97	10	4.6	1.9		
50	88	87	160	134	180	28	120	13	4.6	2.3		
50	88	87	160	134	180	28	120	13	4.6	2.9		
63	80	65	177	144	180	33	104	10	5.8	1.9		
63	88	87	177	144	180	35	127	13	5.8	2.3		
63	88	87	177	144	180	35	127	13	5.8	2.9		

Diaphragm valves pneumatic

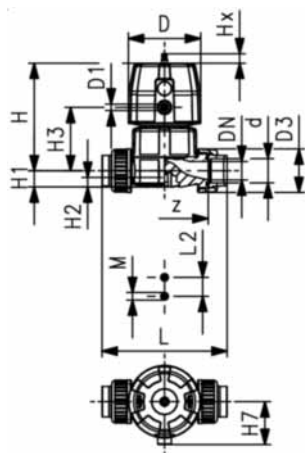
New generation

PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

Unions with fusion sockets metric



Model:

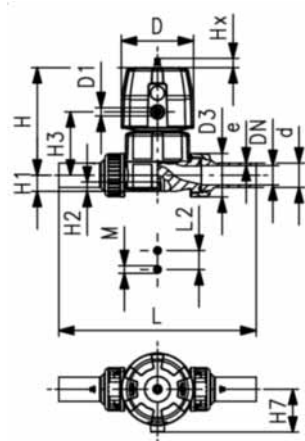
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	167 614 012
25	20	6	271	167 614 013
32	25	6	481	167 614 014
40	32	6	759	167 614 015
50	40	6	1263	167 614 016
63	50	6	1728	167 614 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	69	M8	144	14
50	120	1/8	210	45	193	32	15	119	69	M8	164	16
63	120	1/8	248	45	205	39	15	132	69	M8	194	16



PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

Unions with butt fusion spigots SDR11 metric

Model:

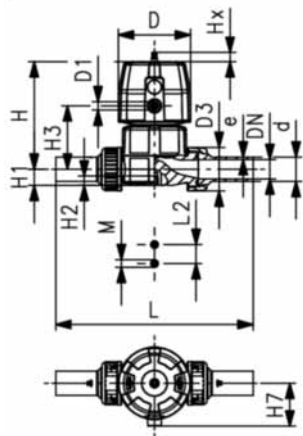
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	167 614 112
25	20	6	271	167 614 113
32	25	6	481	167 614 114
40	32	6	759	167 614 115
50	40	6	1263	167 614 116
63	50	6	1728	167 614 117

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	57	M6	10	2.3
32	96	1/8	234	25	143	22	12	84	57	M6	13	2.9
40	120	1/8	260	45	173	26	15	99	69	M8	14	3.7
50	120	1/8	284	45	193	32	15	119	69	M8	16	4.6
63	120	1/8	321	45	205	39	15	132	69	M8	16	5.8



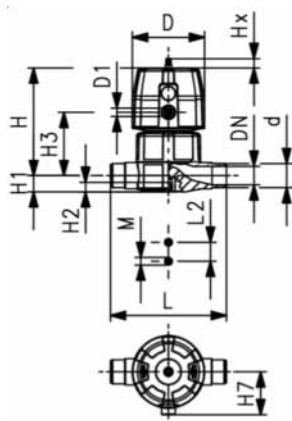
PROGEF Standard Diaphragm valve DIASTAR Six FC (Fail safe to close) With socket fusion spigots metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code
20	15	6	125	167 615 012
25	20	6	271	167 615 013
32	25	6	481	167 615 014
40	32	6	759	167 615 015
50	40	6	1263	167 615 016
63	50	6	1728	167 615 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	69	M8	14	3.7
50	120	1/8	194	45	193	32	15	119	69	M8	16	4.6
63	120	1/8	224	45	205	39	15	132	69	M8	16	5.8



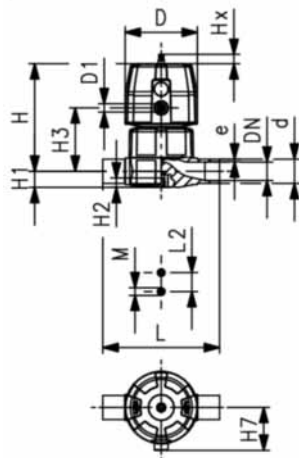
PROGEF Standard Diaphragm valve DIASTAR Six FC (Fail safe to close) With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	167 615 112	
25	20	6	271	167 615 113	
32	25	6	481	167 615 114	
40	32	6	759	167 615 115	
50	40	6	1263	167 615 116	
63	50	6	1728	167 615 117	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	57	M6	13	2.9	
40	120	1/8	174	45	173	26	15	99	69	M8	14	3.7	
50	120	1/8	194	45	193	32	15	119	69	M8	16	4.6	
63	120	1/8	224	45	205	39	15	132	69	M8	16	5.8	



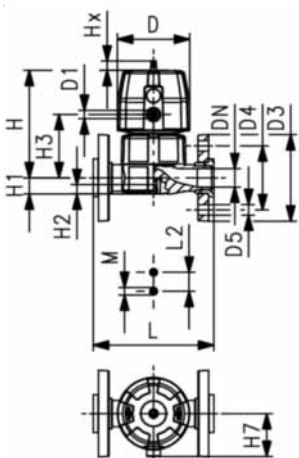
PROGEF Standard Diaphragm valve DIASTAR Six FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

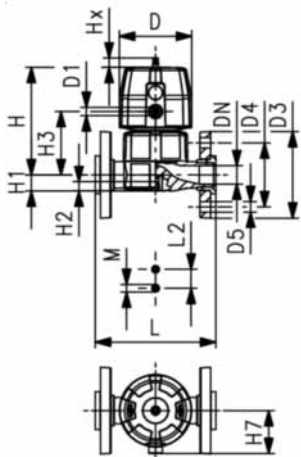
- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	167 617 112	
25	20	6	271	167 617 113	
32	25	6	481	167 617 114	
40	32	6	759	167 617 115	
50	40	6	1263	167 617 116	
63	50	6	1728	167 617 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7	
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10	
32	96	1/8	115	85	14	160	25	143	22	12	84	69	M6	13	

table continued next page



d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) Unions with fusion sockets metric

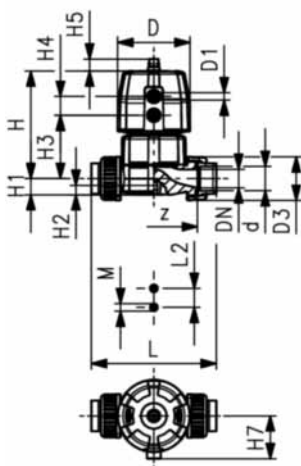
Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

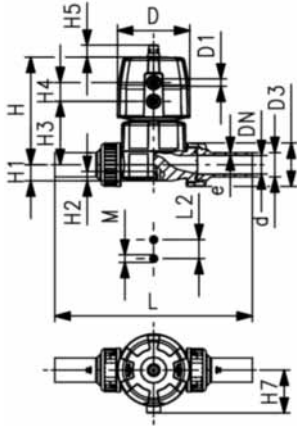
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 624 012	167 624 032
25	20	10/10*	271	167 624 013	167 624 033
32	25	10/10*	481	167 624 014	167 624 034
40	32	10/10*	759	167 624 015	167 624 035
50	40	10/10*	1263	167 624 016	167 624 036
63	50	10/6*	1728	167 624 017	167 624 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	210	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	248	45	226	39	15	132	36	26	88	M8	194	23



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) Unions with butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

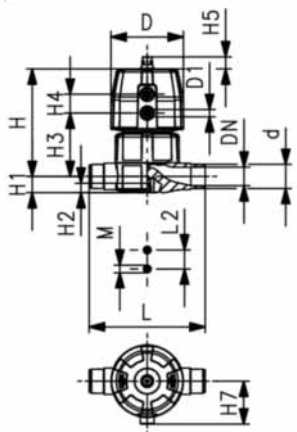
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 624 112	167 624 132
25	20	10/10*	271	167 624 113	167 624 133
32	25	10/10*	481	167 624 114	167 624 134
40	32	10/10*	759	167 624 115	167 624 135
50	40	10/10*	1263	167 624 116	167 624 136
63	50	10/6*	1728	167 624 117	167 624 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	284	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	321	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With socket fusion spigots metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

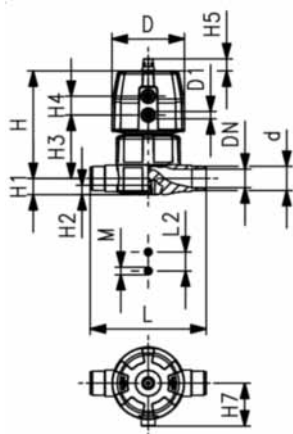
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 625 012	167 625 032
25	20	10/10*	271	167 625 013	167 625 033
32	25	10/10*	481	167 625 014	167 625 034
40	32	10/10*	759	167 625 015	167 625 035
50	40	10/10*	1263	167 625 016	167 625 036
63	50	10/6*	1728	167 625 017	167 625 037

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With butt fusion spigots SDR11 metric

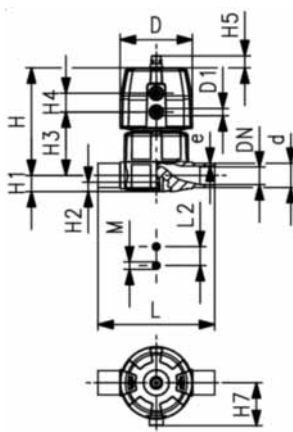
Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

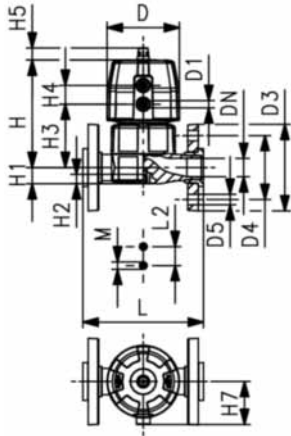
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 625 112	167 625 132
25	20	10/10*	271	167 625 113	167 625 133
32	25	10/10*	481	167 625 114	167 625 134
40	32	10/10*	759	167 625 115	167 625 135
50	40	10/10*	1263	167 625 116	167 625 136
63	50	10/6*	1728	167 625 117	167 625 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 627 112	167 627 132
25	20	10/10*	271	167 627 113	167 627 133
32	25	10/10*	481	167 627 114	167 627 134
40	32	10/10*	759	167 627 115	167 627 135
50	40	10/10*	1263	167 627 116	167 627 136
63	50	10/6*	1728	167 627 117	167 627 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



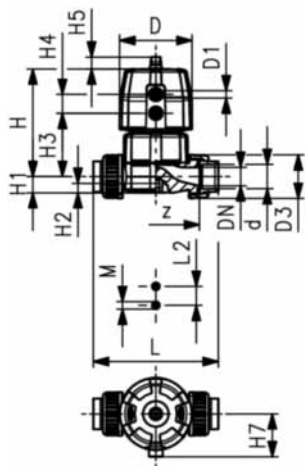
PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with fusion sockets metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 644 012	167 644 032
25	20	10	271	167 644 013	167 644 033
32	25	10	481	167 644 014	167 644 034
40	32	10	759	167 644 015	167 644 035
50	40	10	1263	167 644 016	167 644 036
63	50	10	1728	167 644 017	167 644 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	194	23



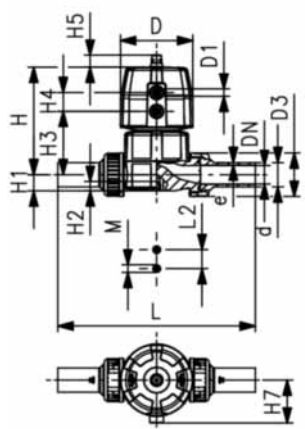
PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

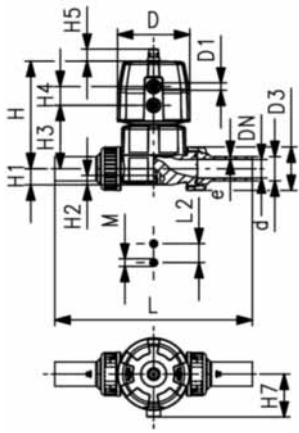
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 644 112	167 644 132
25	20	10	271	167 644 113	167 644 133
32	25	10	481	167 644 114	167 644 134
40	32	10	759	167 644 115	167 644 135
50	40	10	1263	167 644 116	167 644 136
63	50	10	1728	167 644 117	167 644 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	4.6
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	5.8



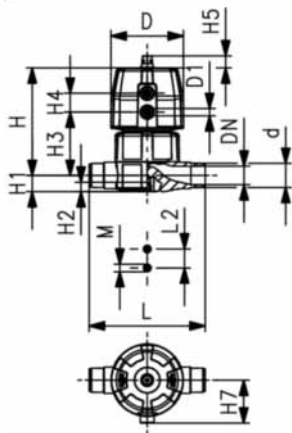
PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With socket fusion spigots metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

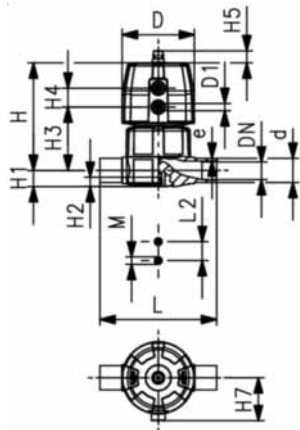
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 645 012	167 645 032
25	20	10	271	167 645 013	167 645 033
32	25	10	481	167 645 014	167 645 034
40	32	10	759	167 645 015	167 645 035
50	40	10	1263	167 645 016	167 645 036
63	50	10	1728	167 645 017	167 645 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With butt fusion spigots SDR11 metric

Model:

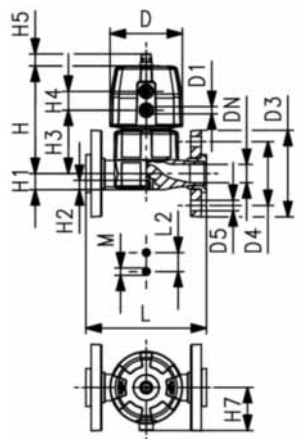
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 645 112	167 645 132
25	20	10	271	167 645 113	167 645 133
32	25	10	481	167 645 114	167 645 134
40	32	10	759	167 645 115	167 645 135
50	40	10	1263	167 645 116	167 645 136
63	50	10	1728	167 645 117	167 645 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

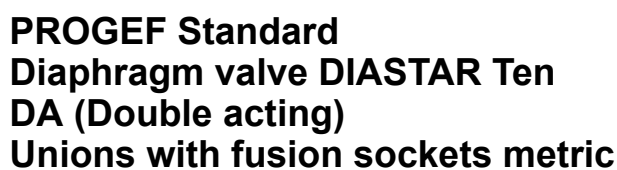
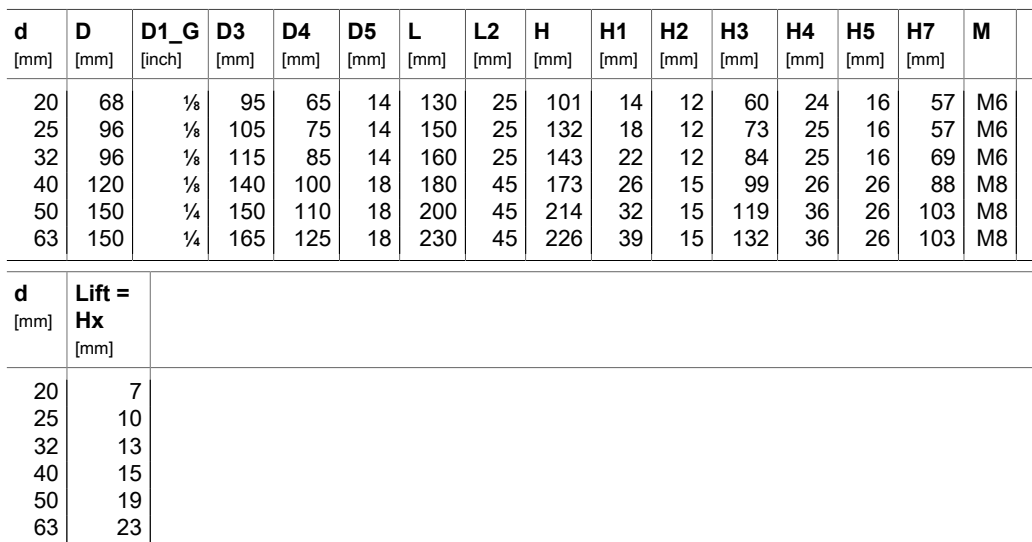
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

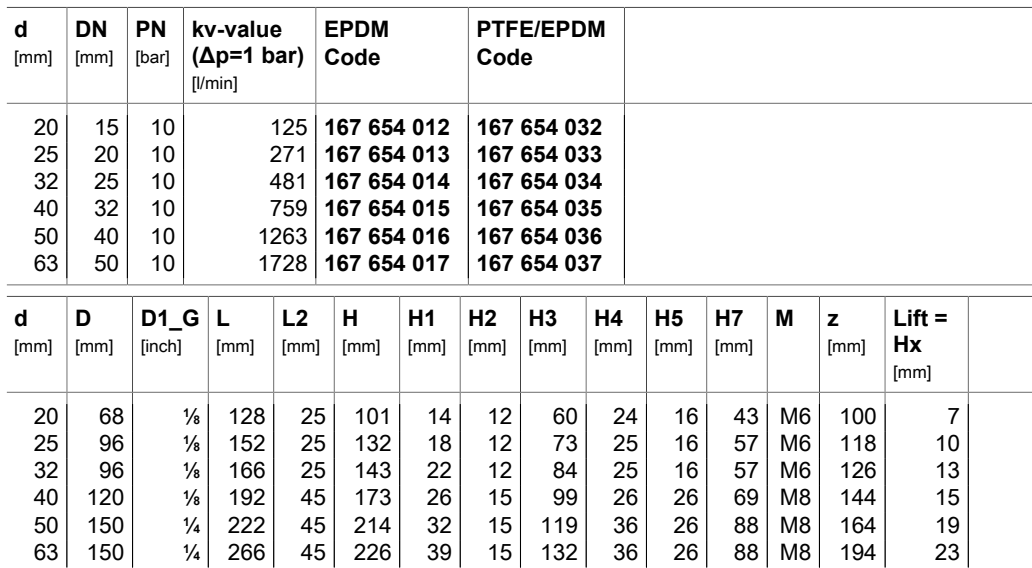
d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 647 112	167 647 132
25	20	10	271	167 647 113	167 647 133
32	25	10	481	167 647 114	167 647 134
40	32	10	759	167 647 115	167 647 135
50	40	10	1263	167 647 116	167 647 136
63	50	10	1728	167 647 117	167 647 137

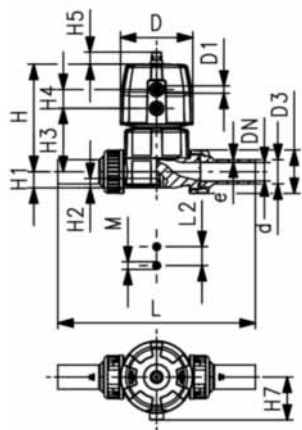
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- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available





PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with butt fusion spigots SDR11 metric

Model:

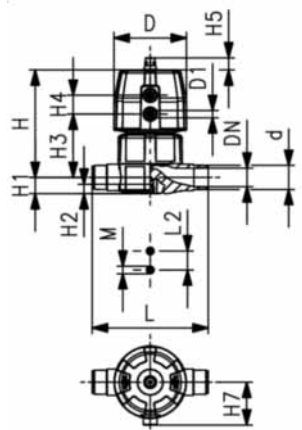
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 654 112	167 654 132
25	20	10	271	167 654 113	167 654 133
32	25	10	481	167 654 114	167 654 134
40	32	10	759	167 654 115	167 654 135
50	40	10	1263	167 654 116	167 654 136
63	50	10	1728	167 654 117	167 654 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	4.6
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With socket fusion spigots metric

Model:

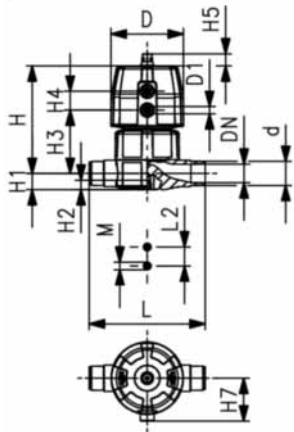
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 655 012	167 655 032
25	20	10	271	167 655 013	167 655 033
32	25	10	481	167 655 014	167 655 034
40	32	10	759	167 655 015	167 655 035
50	40	10	1263	167 655 016	167 655 036
63	50	10	1728	167 655 017	167 655 037

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	



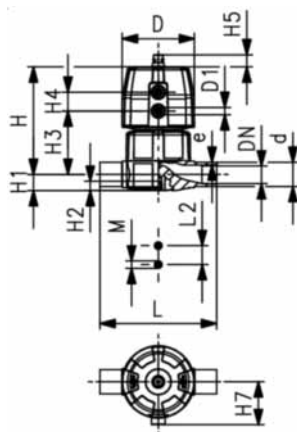
PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

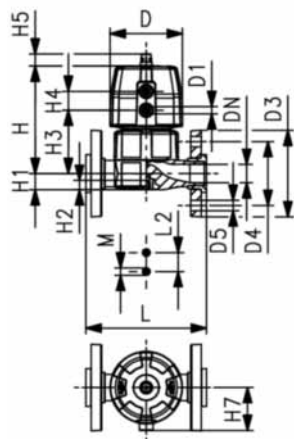
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 655 112	167 655 132	
25	20	10	271	167 655 113	167 655 133	
32	25	10	481	167 655 114	167 655 134	
40	32	10	759	167 655 115	167 655 135	
50	40	10	1263	167 655 116	167 655 136	
63	50	10	1728	167 655 117	167 655 137	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8	



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With backing flanges PP-V metric/BS

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 657 112	167 657 132
25	20	10	271	167 657 113	167 657 133
32	25	10	481	167 657 114	167 657 134
40	32	10	759	167 657 115	167 657 135
50	40	10	1263	167 657 116	167 657 136
63	50	10	1728	167 657 117	167 657 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	88	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	103	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



PROGEF Standard

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

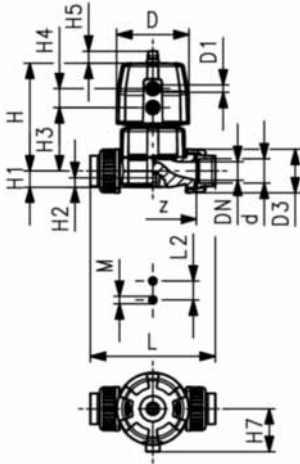
Unions with fusion sockets metric

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 634 012	167 634 032
25	20	10	271	167 634 013	167 634 033
32	25	10	481	167 634 014	167 634 034
40	32	10	759	167 634 015	167 634 035
50	40	10	1263	167 634 016	167 634 036
63	50	10	1728	167 634 017	167 634 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	100	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10
32	120	1/4	166	25	167	22	12	93	26	26	69	M6	126	13
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	144	15
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	164	19
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	194	23



PROGEF Standard

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

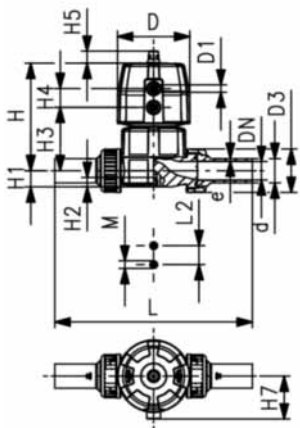
Unions with butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length

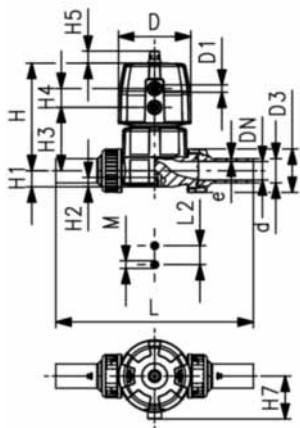
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 634 112	167 634 132
25	20	10	271	167 634 113	167 634 133
32	25	10	481	167 634 114	167 634 134
40	32	10	759	167 634 115	167 634 135
50	40	10	1263	167 634 116	167 634 136
63	50	10	1728	167 634 117	167 634 137

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	2.9
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	5.8



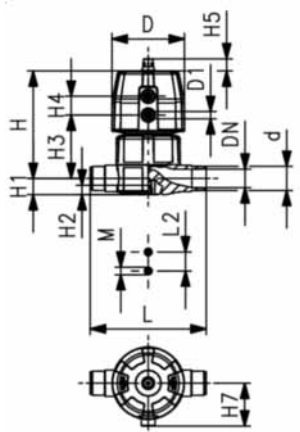
PROGEF Standard Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) With socket fusion spigots metric

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 635 012	167 635 032
25	20	10	271	167 635 013	167 635 033
32	25	10	481	167 635 014	167 635 034
40	32	10	759	167 635 015	167 635 035
50	40	10	1263	167 635 016	167 635 036
63	50	10	1728	167 635 017	167 635 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.9
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	5.8



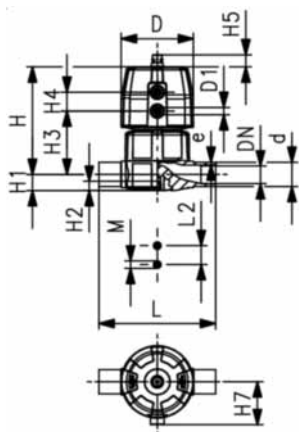
PROGEF Standard Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 635 112	167 635 132
25	20	10	271	167 635 113	167 635 133
32	25	10	481	167 635 114	167 635 134
40	32	10	759	167 635 115	167 635 135
50	40	10	1263	167 635 116	167 635 136
63	50	10	1728	167 635 117	167 635 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.9
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	5.8



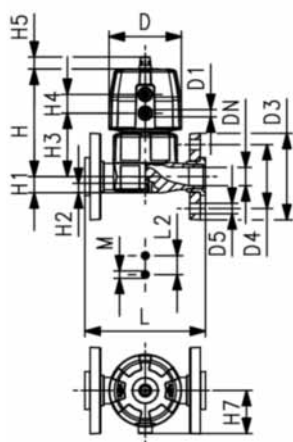
PROGEF Standard Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

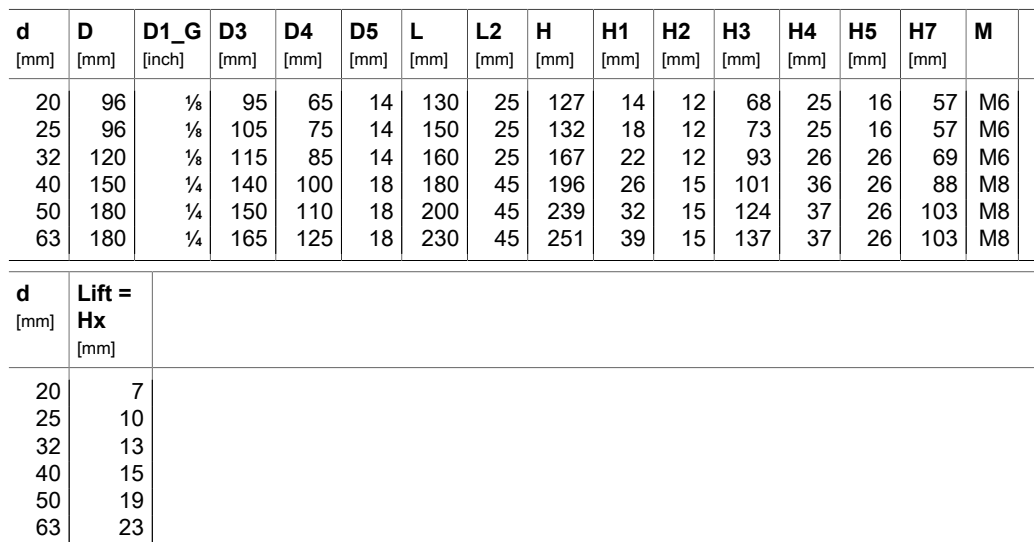
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 637 112	167 637 132
25	20	10	271	167 637 113	167 637 133
32	25	10	481	167 637 114	167 637 134
40	32	10	759	167 637 115	167 637 135
50	40	10	1263	167 637 116	167 637 136
63	50	10	1728	167 637 117	167 637 137

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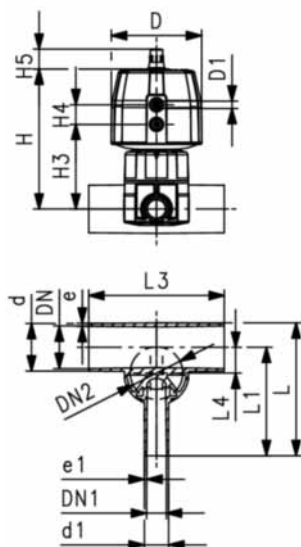
**PROGEF Standard
Diaphragm valve DIASTAR Sixteen
FC (Fail safe to close)
With butt fusion spigots SDR11 metric**

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d	d1	DN	DN1	DN2	PN	kv-value	EPDM	PTFE/EPDM	
[mm]	[mm]	[mm]	[mm]	[mm]	[bar]	($\Delta p=1$ bar)	Code	Code	
						[l/min]			
20	20	15	15	15	10	57	167 639 101	167 639 301	
25	20	20	15	20	10	89	167 639 103	167 639 303	
25	25	20	20	20	10	118	167 639 104	167 639 304	
32	20	25	15	20	10	80	167 639 107	167 639 307	
32	25	25	20	20	10	105	167 639 108	167 639 308	
32	32	25	25	25	10	231	167 639 109	167 639 309	
40	20	32	15	25	10	85	167 639 112	167 639 312	
50	20	40	15	20	10	86	167 639 118	167 639 318	
50	25	40	20	25	10	160	167 639 119	167 639 319	
50	32	40	25	25	10	206	167 639 120	167 639 320	
63	20	50	15	20	10	84	167 639 125	167 639 325	
63	25	50	20	25	10	150	167 639 126	167 639 326	
63	32	50	25	25	10	184	167 639 127	167 639 327	

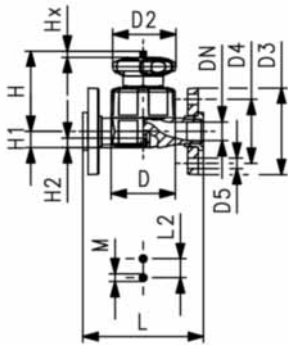
d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	96	⅜	117	96	162	12	130	71	25	16	7	1.9	1.9	
25	96	⅜	133	108	162	16	131	72	25	16	10	2.3	1.9	
25	96	⅜	133	108	162	16	131	72	25	16	10	2.3	2.3	
32	96	⅜	142	120	162	19	135	76	25	16	10	2.9	1.9	
32	96	⅜	142	120	162	19	135	76	25	16	10	2.9	2.3	
32	120	⅜	145	120	160	19	167	93	26	26	13	2.9	2.9	
40	120	⅜	149	128	180	23	175	101	26	26	13	3.7	1.9	
50	96	⅜	160	134	180	27	148	90	25	16	10	4.6	1.9	
50	120	⅜	160	134	180	28	180	106	26	26	13	4.6	2.3	
50	120	⅜	160	134	180	28	180	106	26	26	13	4.6	2.9	
63	96	⅜	177	144	180	33	155	96	25	26	10	5.8	1.9	
63	120	⅜	177	144	180	35	187	113	26	16	13	5.8	2.3	
63	120	⅜	177	144	180	35	187	113	26	26	13	5.8	2.9	

Diaphragm valves new generation

PROGEF Standard

Diaphragm valve type 517

With backing flanges PP-V Inch ANSI



Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 517 712	167 517 732
3/4	20	10	271	167 517 713	167 517 733
1	25	10	481	167 517 714	167 517 734
1 1/4	32	10	759	167 517 715	167 517 735
1 1/2	40	10	1263	167 517 716	167 517 736
2	50	10	1728	167 517 717	167 517 737

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	60	16	130	25	73	14	12	M6	7
3/4	80	65	105	70	16	150	25	81	18	12	M6	10
1	88	87	115	79	16	160	25	107	22	12	M6	13
1 1/4	101	87	140	89	16	180	45	115	26	15	M8	15
1 1/2	117	135	150	98	16	200	45	148	32	15	M8	19
2	144	135	165	121	19	230	45	166	39	15	M8	25

Diaphragm valves pneumatic

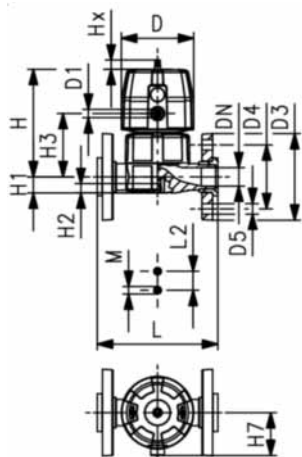
New generation

PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

With backing flanges PP-V Inch ANSI



Model:

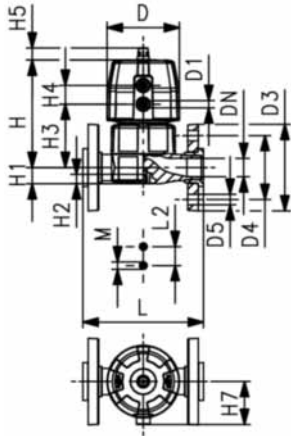
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	167 617 712
3/4	20	6	271	167 617 713
1	25	6	481	167 617 714
1 1/4	32	6	759	167 617 715
1 1/2	40	6	1263	167 617 716
2	50	6	1728	167 617 717

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
1/2	68	1/8	95	60	16	130	25	101	14	12	60	43	M6	7
3/4	96	1/8	105	70	16	150	25	132	18	12	73	57	M6	10
1	96	1/8	115	79	16	160	25	143	22	12	84	69	M6	13
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	69	M8	14
1 1/2	120	1/8	150	98	16	200	45	193	32	15	119	69	M8	16
2	120	1/8	165	121	19	230	45	205	39	15	132	69	M8	16



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM

Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 627 712	167 627 732
3/4	20	10/10*	271	167 627 713	167 627 733
1	25	10/10*	481	167 627 714	167 627 734
1 1/4	32	10/10*	759	167 627 715	167 627 735
1 1/2	40	10/10*	1263	167 627 716	167 627 736
2	50	10/6*	1728	167 627 717	167 627 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



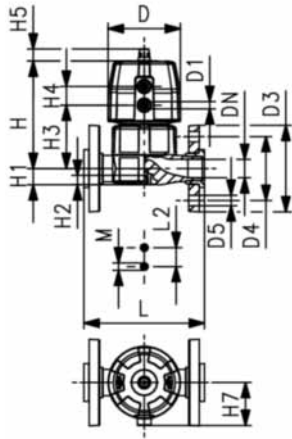
PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With backing flanges PP-V Inch ANSI

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 647 712	167 647 732
3/4	20	10	271	167 647 713	167 647 733
1	25	10	481	167 647 714	167 647 734
1 1/4	32	10	759	167 647 715	167 647 735
1 1/2	40	10	1263	167 647 716	167 647 736
2	50	10	1728	167 647 717	167 647 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



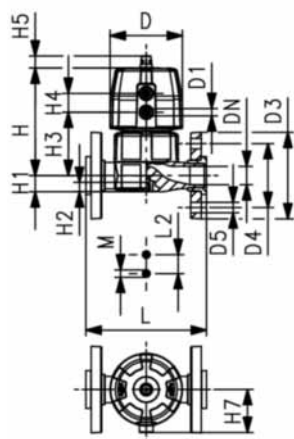
PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With backing flanges PP-V Inch ANSI

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 657 712	167 657 732
3/4	20	10	271	167 657 713	167 657 733
1	25	10	481	167 657 714	167 657 734
1 1/4	32	10	759	167 657 715	167 657 735
1 1/2	40	10	1263	167 657 716	167 657 736
2	50	10	1728	167 657 717	167 657 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



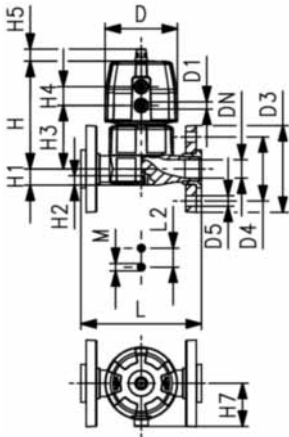
PROGEF Standard **Diaphragm valve DIASTAR Sixteen** **FC (Fail safe to close)** **With backing flanges PP-V Inch ANSI**

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 637 712	167 637 732
3/4	20	10	271	167 637 713	167 637 733
1	25	10	481	167 637 714	167 637 734
1 1/4	32	10	759	167 637 715	167 637 735
1 1/2	40	10	1263	167 637 716	167 637 736
2	50	10	1728	167 637 717	167 637 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	60	16	130	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	1/8	115	79	16	160	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	1/4	165	121	19	230	45	251	39	15	137	37	26	103	M8

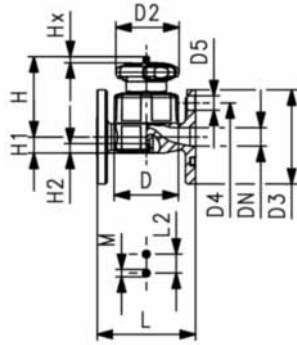
Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

PROGEF Standard

Diaphragm valve type 517

With fixed flanges PP-H JIS



Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125		167 517 932
3/4	20	10	271	167 517 913	167 517 933
1	25	10	481	167 517 914	167 517 934
1 1/4	32	10	759	167 517 915	167 517 935
1 1/2	40	10	1263	167 517 916	167 517 936
2	50	10	1728	167 517 917	167 517 937

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	70	15	110	25	73	14	12	M6	7
3/4	80	65	100	75	15	120	25	81	18	12	M6	10
1	88	87	125	90	19	130	25	107	22	12	M6	13
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19
2	144	135	155	120	19	210	45	166	39	15	M8	25

Diaphragm valves pneumatic

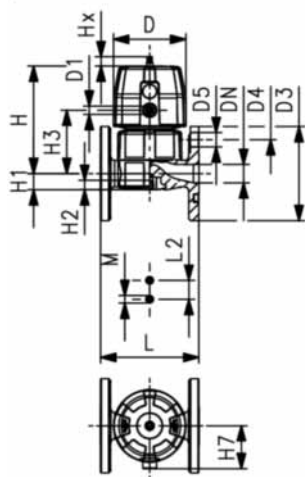
New generation

PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

With fixed flanges PP-H JIS



Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	167 617 912
3/4	20	6	271	167 617 913
1	25	6	481	167 617 914
1 1/4	32	6	759	167 617 915
1 1/2	40	6	1263	167 617 916
2	50	6	1728	167 617 917

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
1/2	68	1/8	95	70	15	110	25	101	14	12	60	43	M6	7
3/4	96	1/8	100	75	15	120	25	132	18	12	73	57	M6	10
1	96	1/8	125	90	19	130	25	143	22	12	84	69	M6	13
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	69	M8	14
1 1/2	120	1/8	140	105	19	180	45	193	32	15	119	69	M8	16
2	120	1/8	155	120	19	210	45	205	39	15	132	69	M8	16



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With fixed flanges PP-H JIS

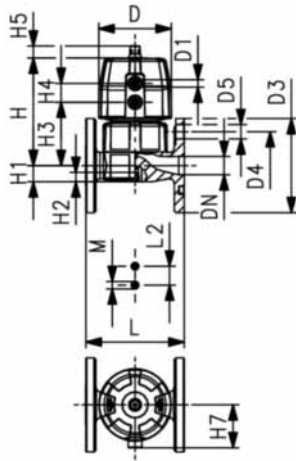
Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 627 912	167 627 932
3/4	20	10/10*	271	167 627 913	167 627 933
1	25	10/10*	481	167 627 914	167 627 934
1 1/4	32	10/10*	759	167 627 915	167 627 935
1 1/2	40	10/10*	1263	167 627 916	167 627 936
2	50	10/6*	1728	167 627 917	167 627 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



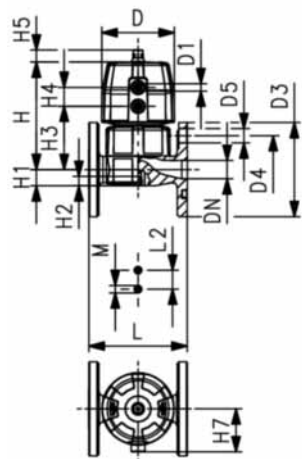
PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With fixed flanges PP-H JIS

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 647 912	167 647 932
3/4	20	10	271	167 647 913	167 647 933
1	25	10	481	167 647 914	167 647 934
1 1/4	32	10	759	167 647 915	167 647 935
1 1/2	40	10	1263	167 647 916	167 647 936
2	50	10	1728	167 647 917	167 647 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



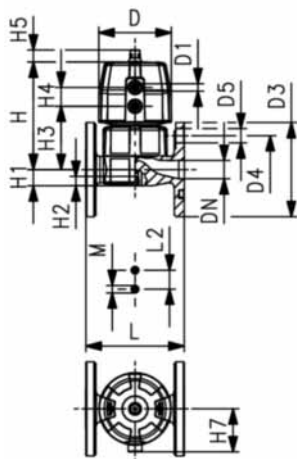
PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With fixed flanges PP-H JIS

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 657 912	167 657 932
3/4	20	10	271	167 657 913	167 657 933
1	25	10	481	167 657 914	167 657 934
1 1/4	32	10	759	167 657 915	167 657 935
1 1/2	40	10	1263	167 657 916	167 657 936
2	50	10	1728	167 657 917	167 657 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



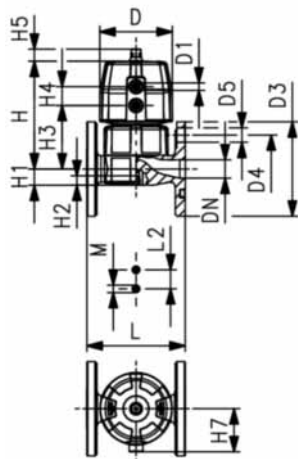
PROGEF Standard **Diaphragm valve DIASTAR Sixteen** **FC (Fail safe to close)** **With fixed flanges PP-H JIS**

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	167 637 912	167 637 932
¾	20	10	271	167 637 913	167 637 933
1	25	10	481	167 637 914	167 637 934
1 ¼	32	10	759	167 637 915	167 637 935
1 ½	40	10	1263	167 637 916	167 637 936
2	50	10	1728	167 637 917	167 637 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	96	⅝	95	70	15	110	25	127	14	12	68	25	16	57	M6
¾	96	⅝	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	⅝	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 ¼	150	¾	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 ½	180	¾	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	¾	155	120	19	210	45	251	39	15	137	37	26	103	M8

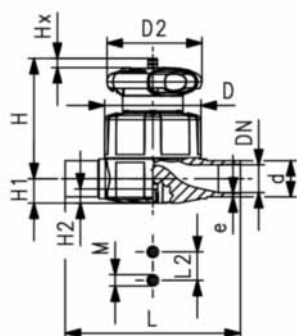
Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23

Diaphragm valves new generation

PROGEF Natural

Diaphragm valve type 515

With butt fusion spigots SDR11 metric



Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

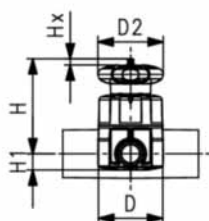
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	168 515 112	168 515 132
25	20	10	271	168 515 113	168 515 133
32	25	10	481	168 515 114	168 515 134
40	32	10	759	168 515 115	168 515 135
50	40	10	1263	168 515 116	168 515 136
63	50	10	1728	168 515 117	168 515 137

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	155	25	107	22	12	M6	13
40	101	87	176	45	115	26	15	M8	15
50	117	135	193	45	148	32	15	M8	19
63	144	135	223	45	166	39	15	M8	25

PROGEF Natural

Diaphragm valve type 519

With butt fusion spigots SDR11 metric



Model:

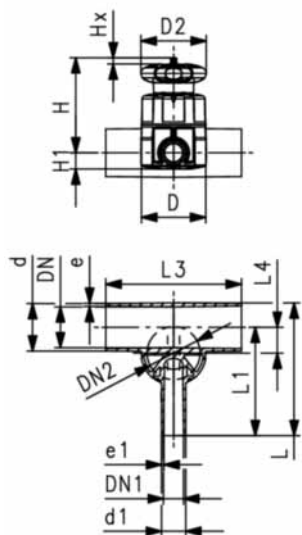
- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	20	15	15	15	10	57	168 519 101	168 519 301
25	20	20	15	20	10	89	168 519 103	168 519 303
25	25	20	20	20	10	118	168 519 104	168 519 304
32	20	25	15	20	10	80	168 519 107	168 519 307
32	25	25	20	20	10	105	168 519 108	168 519 308
32	32	25	25	25	10	231	168 519 109	168 519 309
40	20	32	15	25	10	85	168 519 112	168 519 312
50	20	40	15	20	10	86	168 519 118	168 519 318
50	25	40	20	25	10	160	168 519 119	168 519 319
50	32	40	25	25	10	206	168 519 120	168 519 320
63	20	50	15	20	10	84	168 519 125	168 519 325
63	25	50	20	25	10	150	168 519 126	168 519 326
63	32	50	25	25	10	184	168 519 127	168 519 327

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	65	65	117	96	162	12	75	7	1.9	1.9	
25	80	65	133	108	162	16	80	10	2.3	1.9	
25	80	65	133	108	162	16	80	10	2.3	2.3	
32	80	65	142	120	162	19	84	10	2.9	1.9	
32	80	65	142	120	162	19	84	10	2.9	2.3	
32	88	87	145	120	160	19	107	13	2.9	2.9	
40	88	87	149	128	180	23	115	13	3.7	1.9	
50	80	65	160	134	180	27	97	10	4.6	1.9	
50	88	87	160	134	180	28	120	13	4.6	2.3	
50	88	87	160	134	180	28	120	13	4.6	2.9	
63	80	65	177	144	180	33	104	10	5.8	1.9	
63	88	87	177	144	180	35	127	13	5.8	2.3	
63	88	87	177	144	180	35	127	13	5.8	2.9	

Diaphragm valves pneumatic

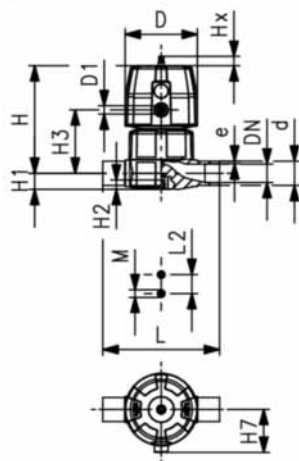
New generation

PROGEF Natural

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

With butt fusion spigots SDR11 metric



Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	168 615 112
25	20	6	271	168 615 113
32	25	6	481	168 615 114
40	32	6	759	168 615 115
50	40	6	1263	168 615 116
63	50	6	1728	168 615 117

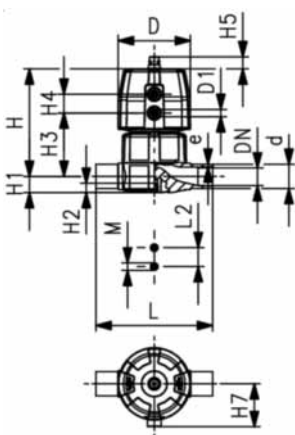
d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	69	M8	14	3.7
50	120	1/8	194	45	193	32	15	119	69	M8	16	4.6
63	120	1/8	224	45	205	39	15	132	69	M8	16	5.8

PROGEF Natural

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With butt fusion spigots SDR11 metric



Model:

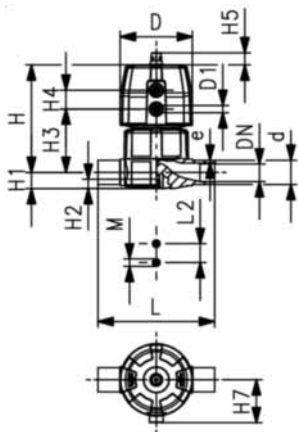
- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	168 625 112
25	20	10	271	168 625 113
32	25	10	481	168 625 114
40	32	10	759	168 625 115
50	40	10	1263	168 625 116
63	50	10	1728	168 625 117

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



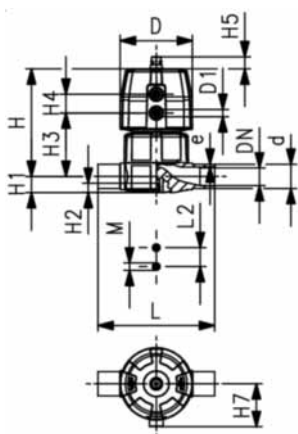
PROGEF Natural Diaphragm valve DIASTAR Ten FO (Fail safe to open) With butt fusion spigots SDR11 metric

Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code
20	15	10	125	168 645 112
25	20	10	271	168 645 113
32	25	10	481	168 645 114
40	32	10	759	168 645 115
50	40	10	1263	168 645 116
63	50	10	1728	168 645 117

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



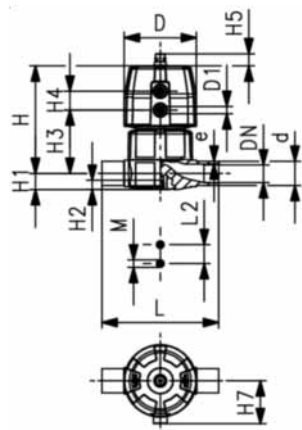
PROGEF Natural Diaphragm valve DIASTAR Ten DA (Double acting) With butt fusion spigots SDR11 metric

Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	168 655 112
25	20	10	271	168 655 113
32	25	10	481	168 655 114
40	32	10	759	168 655 115
50	40	10	1263	168 655 116
63	50	10	1728	168 655 117

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



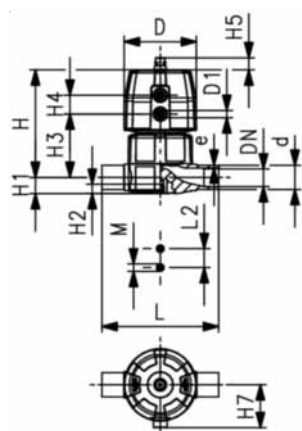
PROGEF Natural Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) With butt fusion spigots SDR11 metric

Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

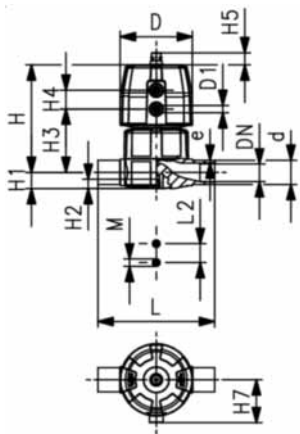
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	168 635 112
25	20	10	271	168 635 113
32	25	10	481	168 635 114
40	32	10	759	168 635 115
50	40	10	1263	168 635 116
63	50	10	1728	168 635 117

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.9

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
40	150	¼	174	45	196	26	15	101	36	26	88	M8	15	3.7	
50	180	¼	194	45	239	32	15	124	37	26	103	M8	19	4.6	
63	180	¼	224	45	251	39	15	137	37	26	103	M8	23	5.8	



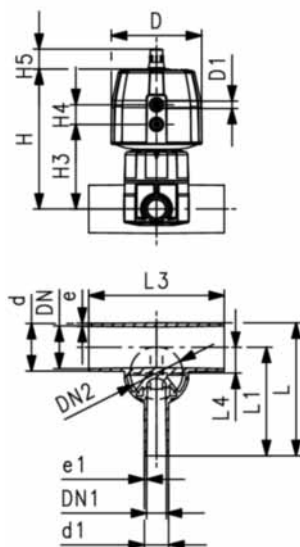
PROGEF Natural Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) With butt fusion spigots SDR11 metric

Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	20	15	15	15	10	57	168 639 101	168 639 301	
25	20	20	15	20	10	89	168 639 103	168 639 303	
25	25	20	20	20	10	118	168 639 104	168 639 304	
32	20	25	15	20	10	80	168 639 107	168 639 307	
32	25	25	20	20	10	105	168 639 108	168 639 308	
32	32	25	25	25	10	231	168 639 109	168 639 309	
40	20	32	15	25	10	85	168 639 112	168 639 312	
50	20	40	15	20	10	86	168 639 118	168 639 318	
50	25	40	20	25	10	160	168 639 119	168 639 319	
50	32	40	25	25	10	206	168 639 120	168 639 320	
63	20	50	15	20	10	84	168 639 125	168 639 325	
63	25	50	20	25	10	150	168 639 126	168 639 326	
63	32	50	25	25	10	184	168 639 127	168 639 327	

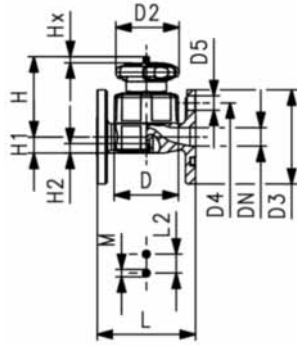
d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	96	⅜	117	96	162	12	130	71	25	16	7	1.9	1.9	
25	96	⅜	133	108	162	16	131	72	25	16	10	2.3	1.9	
25	96	⅜	133	108	162	16	131	72	25	16	10	2.3	2.3	
32	96	⅜	142	120	162	19	135	76	25	16	10	2.9	1.9	
32	96	⅜	142	120	162	19	135	76	25	16	10	2.9	2.3	
32	120	⅜	145	120	160	19	167	93	26	26	13	2.9	2.9	
40	120	⅜	149	128	180	23	175	101	26	26	13	3.7	1.9	
50	96	⅜	160	134	180	27	148	90	25	16	10	4.6	1.9	
50	120	⅜	160	134	180	28	180	106	26	26	13	4.6	2.3	
50	120	⅜	160	134	180	28	180	106	26	26	13	4.6	2.9	
63	96	⅜	177	144	180	33	155	96	25	16	10	5.8	1.9	
63	120	⅜	177	144	180	35	187	113	26	26	13	5.8	2.3	
63	120	⅜	177	144	180	35	187	113	26	26	13	5.8	2.9	

Diaphragm valves new generation

PROGEF Plus oil free

Diaphragm valve type 517

With fixed flanges PP-H JIS



Model:

- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

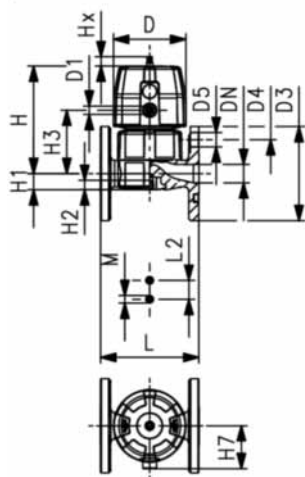
Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125		167 517 972
3/4	20	10	271		167 517 973
1	25	10	481		167 517 974
1 1/4	32	10	759		167 517 975
1 1/2	40	10	1263		167 517 976
2	50	10	1728		167 517 977

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	70	15	110	25	73	14	12	M6	7
3/4	80	65	100	75	15	120	25	81	18	12	M6	10
1	88	87	125	90	19	130	25	107	22	12	M6	13
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19
2	144	135	155	120	19	210	45	166	39	15	M8	25

Diaphragm valves pneumatic

New generation

PROGEF Plus oil free Diaphragm valve DIASTAR Six FC (Fail safe to close) With fixed flanges PP-H JIS



Model:

- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	167 617 922
3/4	20	6	271	167 617 923
1	25	6	481	167 617 924
1 1/4	32	6	759	167 617 925
1 1/2	40	6	1263	167 617 926
2	50	6	1728	167 617 927

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
1/2	68	1/8	95	70	15	110	25	101	14	12	60	43	M6	7
3/4	96	1/8	100	75	15	120	25	132	18	12	73	57	M6	10
1	96	1/8	125	90	19	130	25	143	22	12	84	69	M6	13
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	69	M8	14
1 1/2	120	1/8	140	105	19	180	45	193	32	15	119	69	M8	16
2	120	1/8	155	120	19	210	45	205	39	15	132	69	M8	16



PROGEF Plus oil free **Diaphragm valve DIASTAR Ten** **FC (Fail safe to close)** **With fixed flanges PP-H JIS**

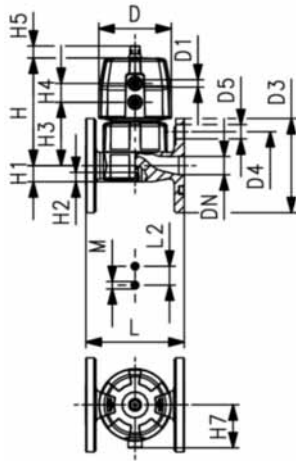
Model:

- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 627 922	167 627 972
3/4	20	10/10*	271	167 627 923	167 627 973
1	25	10/10*	481	167 627 924	167 627 974
1 1/4	32	10/10*	759	167 627 925	167 627 975
1 1/2	40	10/10*	1263	167 627 926	167 627 976
2	50	10/6*	1728	167 627 927	167 627 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	167 647 922	167 647 972	
¾	20	10	271	167 647 923	167 647 973	
1	25	10	481	167 647 924	167 647 974	
1 ¼	32	10	759	167 647 925	167 647 975	
1 ½	40	10	1263	167 647 926	167 647 976	
2	50	10	1728	167 647 927	167 647 977	

Inch	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
½	68	⅝	95	70	15	110	25	101	14	12	60	24	16	57	M6
¾	96	⅞	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	⅞	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 ¼	120	⅞	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 ½	150	⅞	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	⅞	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	



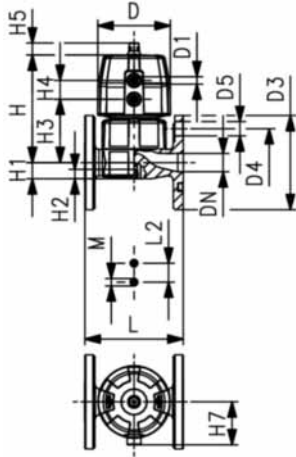
PROGEF Plus oil free Diaphragm valve DIASTAR Ten DA (Double acting) With fixed flanges PP-H JIS

Model:

- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 657 922	167 657 972
3/4	20	10	271	167 657 923	167 657 973
1	25	10	481	167 657 924	167 657 974
1 1/4	32	10	759	167 657 925	167 657 975
1 1/2	40	10	1263	167 657 926	167 657 976
2	50	10	1728	167 657 927	167 657 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



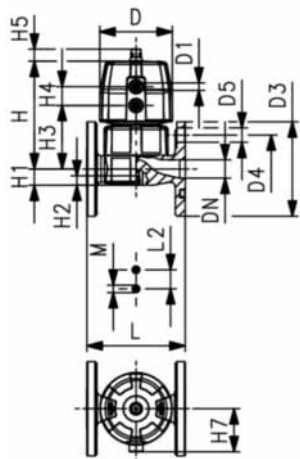
PROGEF Plus oil free **Diaphragm valve DIASTAR Sixteen** **FC (Fail safe to close)** **With fixed flanges PP-H JIS**

Model:

- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 637 922	167 637 972
3/4	20	10	271	167 637 923	167 637 973
1	25	10	481	167 637 924	167 637 974
1 1/4	32	10	759	167 637 925	167 637 975
1 1/2	40	10	1263	167 637 926	167 637 976
2	50	10	1728	167 637 927	167 637 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

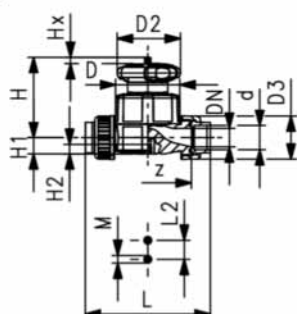
Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

PROGEF Plus silicone free

Diaphragm valve type 514

With fusion sockets metric



Model:

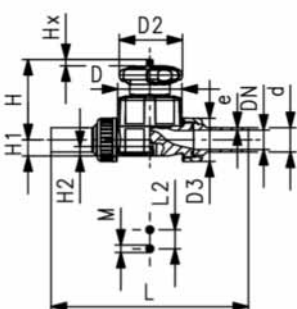
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 514 022	167 514 072	
25	20	10	271	167 514 023	167 514 073	
32	25	10	481	167 514 024	167 514 074	
40	32	10	759	167 514 025	167 514 075	
50	40	10	1263	167 514 026	167 514 076	
63	50	10	1728	167 514 027	167 514 077	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	43	128	25	73	14	12	M6	100	7	
25	80	65	51	150	25	81	18	12	M6	118	10	
32	88	87	58	162	25	107	22	12	M6	126	13	
40	101	87	72	184	45	115	26	15	M8	144	15	
50	117	135	83	210	45	148	32	15	M8	164	19	
63	144	135	100	248	45	166	39	15	M8	194	25	



PROGEF Plus silicone free

Diaphragm valve type 514

With butt fusion spigots SDR11 metric

Model:

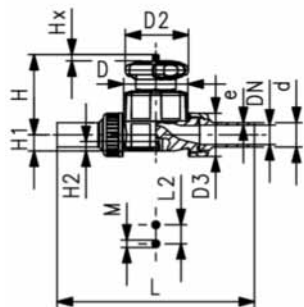
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 514 122	167 514 172	
25	20	10	271	167 514 123	167 514 173	
32	25	10	481	167 514 124	167 514 174	
40	32	10	759	167 514 125	167 514 175	
50	40	10	1263	167 514 126	167 514 176	
63	50	10	1728	167 514 127	167 514 177	

table continued next page



d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	43	196	25	73	14	12	M6	7	1,9	
25	80	65	51	221	25	81	18	12	M6	10	2,3	
32	88	87	58	234	25	107	22	12	M6	13	2,9	
40	101	87	72	260	45	115	26	15	M8	15	3,7	
50	117	135	83	284	45	148	32	15	M8	19	4,6	
63	144	135	100	321	45	166	39	15	M8	25	5,8	



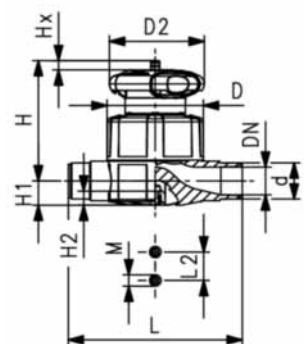
PROGEF Plus silicone free Diaphragm valve type 515 With socket fusion spigots metric

Model:

- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

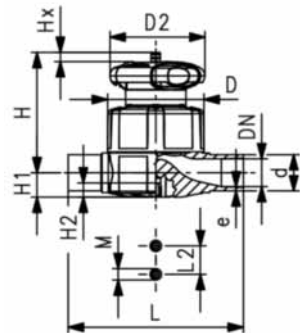
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 515 022	167 515 072	
25	20	10	271	167 515 023	167 515 073	
32	25	10	481	167 515 024	167 515 074	
40	32	10	759	167 515 025	167 515 075	
50	40	10	1263	167 515 026	167 515 076	
63	50	10	1728	167 515 027	167 515 077	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	154	25	107	22	12	M6	13	2.9	
40	101	87	174	45	115	26	15	M8	15	3.7	
50	117	135	194	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



PROGEF Plus silicone free Diaphragm valve type 515 With butt fusion spigots SDR11 metric

Model:

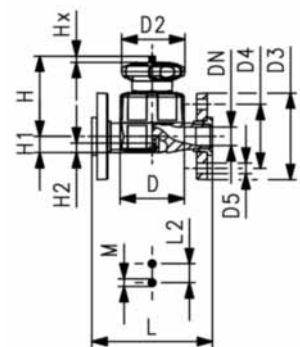
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 515 122	167 515 172
25	20	10	271	167 515 123	167 515 173
32	25	10	481	167 515 124	167 515 174
40	32	10	759	167 515 125	167 515 175
50	40	10	1263	167 515 126	167 515 176
63	50	10	1728	167 515 127	167 515 177

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M [mm]	Lift = Hx [mm]	e [mm]
20	65	65	124	25	73	14	12	M6	7	1.9
25	80	65	144	25	81	18	12	M6	10	2.3
32	88	87	155	25	107	22	12	M6	13	2.9
40	101	87	176	45	115	26	15	M8	15	3.7
50	117	135	193	45	148	32	15	M8	19	4.6
63	144	135	223	45	166	39	15	M8	25	5.8



PROGEF Plus silicone free Diaphragm valve type 517 With backing flanges PP-V metric/BS

Model:

- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces/serrated

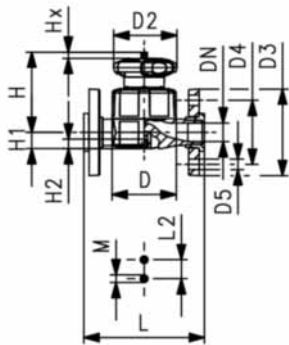
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 517 122	167 517 172
25	20	10	271	167 517 123	167 517 173
32	25	10	481	167 517 124	167 517 174
40	32	10	759	167 517 125	167 517 175
50	40	10	1263	167 517 126	167 517 176
63	50	10	1728	167 517 127	167 517 177

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M [mm]	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13

table continued next page



d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
40	101	87	140	100	18	180	45	115	26	15	M8	15	
50	117	135	150	110	18	200	45	148	32	15	M8	19	
63	144	135	165	125	18	230	45	166	39	15	M8	25	



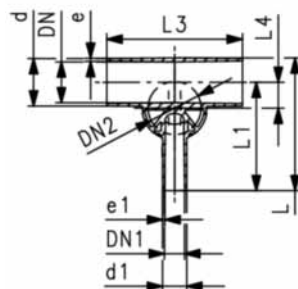
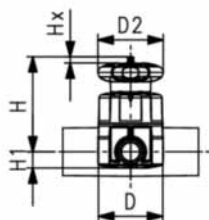
PROGEF Plus silicone free Diaphragm valve type 519 With butt fusion spigots SDR11 metric

Model:

- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	20	15	15	15	10	57	167 519 201	167 519 701	
25	20	20	15	20	10	89	167 519 203	167 519 703	
25	25	20	20	20	10	118	167 519 204	167 519 704	
32	20	25	15	20	10	80	167 519 207	167 519 707	
32	25	25	20	20	10	105	167 519 208	167 519 708	
32	32	25	25	25	10	231	167 519 209	167 519 709	
40	20	32	15	25	10	85	167 519 212	167 519 712	
50	20	40	15	20	10	86	167 519 218	167 519 718	
50	25	40	20	25	10	160	167 519 219	167 519 719	
50	32	40	25	25	10	206	167 519 220	167 519 720	
63	20	50	15	20	10	84	167 519 225	167 519 725	
63	25	50	20	25	10	150	167 519 226	167 519 726	
63	32	50	25	25	10	184	167 519 227	167 519 727	

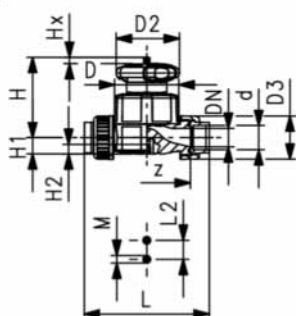
d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	65	65	117	96	162	12	75	7	1.9	1.9	
25	80	65	133	108	162	16	80	10	2.3	1.9	
25	80	65	133	108	162	16	80	10	2.3	2.3	
32	80	65	142	120	162	19	84	10	2.9	1.9	
32	80	65	142	120	162	19	84	10	2.9	2.3	
32	88	87	145	120	160	19	107	13	2.9	2.9	
40	88	87	149	128	180	23	115	13	3.7	1.9	
50	80	65	160	134	180	27	97	10	4.6	1.9	
50	88	87	160	134	180	28	120	13	4.6	2.3	
50	88	87	160	134	180	28	120	13	4.6	2.9	
63	80	65	177	144	180	33	104	10	5.8	1.9	
63	88	87	177	144	180	35	127	13	5.8	2.3	
63	88	87	177	144	180	35	127	13	5.8	2.9	

Diaphragm valves new generation

SYGEF Standard

Diaphragm valve type 514

With fusion sockets metric



Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

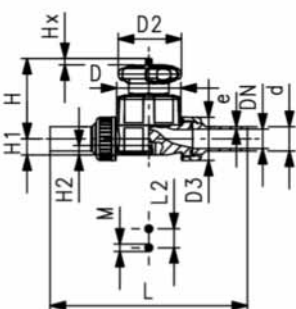
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code								
20	15	16	125	175 514 032								
25	20	16	271	175 514 033								
32	25	16	481	175 514 034								
40	32	16	759	175 514 035								
50	40	16	1263	175 514 036								
63	50	16	1728	175 514 037								

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]		
20	65	65	43	128	25	73	14	12	M6	100	7		
25	80	65	53	150	25	81	18	12	M6	118	10		
32	88	87	60	162	25	107	22	12	M6	126	13		
40	101	87	74	184	45	115	26	15	M8	144	15		
50	117	135	82	210	45	148	32	15	M8	164	19		
63	144	135	100	248	45	166	39	15	M8	194	25		

SYGEF Standard

Diaphragm valve type 514

With butt fusion spigots metric



Model:

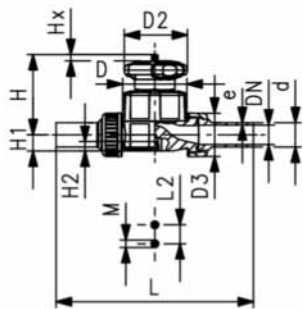
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code								
20	15	16	125	175 514 132								
25	20	16	271	175 514 133								
32	25	16	481	175 514 134								
40	32	16	759	175 514 135								
50	40	16	1263	175 514 136								
63	50	16	1728	175 514 137								

table continued next page



d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	43	196	25	73	14	12	M6	7	1.9
25	80	65	53	221	25	81	18	12	M6	10	1.9
32	88	87	60	234	25	107	22	12	M6	13	2.4
40	101	87	74	260	45	115	26	15	M8	15	2.4
50	117	135	82	284	45	148	32	15	M8	19	3.0
63	144	135	100	321	45	166	39	15	M8	25	3.0



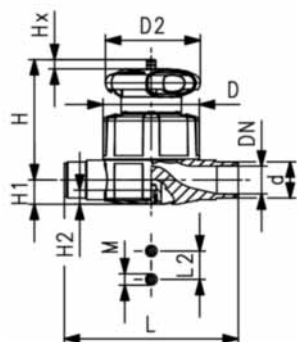
SYGEF Standard Diaphragm valve type 515 With socket fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

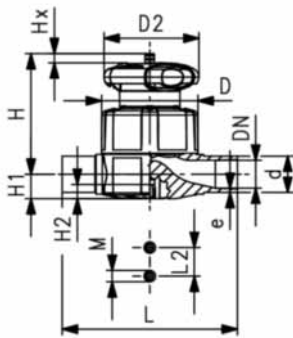
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	16	125	175 515 032
25	20	16	271	175 515 033
32	25	16	481	175 515 034
40	32	16	759	175 515 035
50	40	16	1263	175 515 036
63	50	16	1728	175 515 037

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	154	25	107	22	12	M6	13
40	101	87	174	45	115	26	15	M8	15
50	117	135	194	45	148	32	15	M8	19
63	144	135	223	45	166	39	15	M8	25



SYGEF Standard Diaphragm valve type 515 With butt fusion spigots metric

Model:

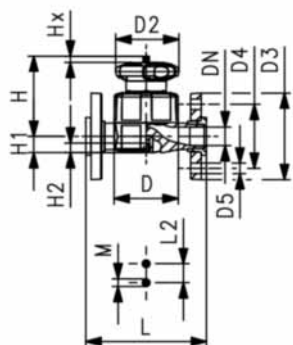
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16	125	175 515 132
25	20	16	271	175 515 133
32	25	16	481	175 515 134
40	32	16	759	175 515 135
50	40	16	1263	175 515 136
63	50	16	1728	175 515 137

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	124	25	73	14	12	M6	7	1.9
25	80	65	144	25	81	18	12	M6	10	1.9
32	88	87	155	25	107	22	12	M6	13	2.4
40	101	87	176	45	115	26	15	M8	15	2.4
50	117	135	193	45	148	32	15	M8	19	3.0
63	144	135	223	45	166	39	15	M8	25	3.0



SYGEF Standard Diaphragm valve type 517 With backing flanges PP-V metric/BS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Flat sealing faces/serrated
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

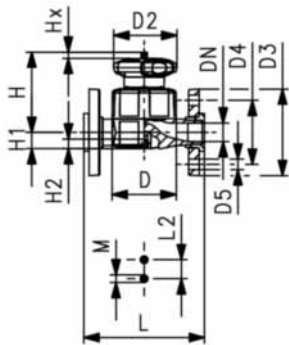
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	16	125	175 517 132
3/4	20	16	271	175 517 133
1	25	16	481	175 517 134
1 1/4	32	16	759	175 517 135
1 1/2	40	16	1263	175 517 136
2	50	16	1728	175 517 137

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	65	14	130	25	73	14	12	M6	7
3/4	80	65	105	75	14	150	25	81	18	12	M6	10
1	88	87	115	85	14	160	25	107	22	12	M6	13

table continued next page



Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1 ¼	101	87	140	100	18	180	45	115	26	15	M8	15
1 ½	117	135	150	110	18	200	45	148	32	15	M8	19
2	144	135	165	125	18	230	45	166	39	15	M8	25



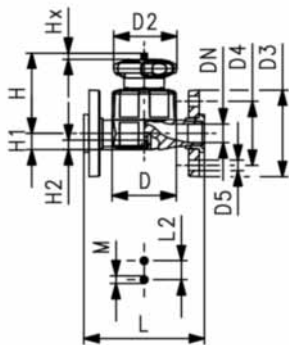
SYGEF Standard Diaphragm valve type 517 With backing flanges PP-V Inch ANSI

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
½	15	16	125	175 517 732
¾	20	16	271	175 517 733
1	25	16	481	175 517 734
1 ¼	32	16	759	175 517 735
1 ½	40	16	1263	175 517 736
2	50	16	1728	175 517 737

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
½	65	65	95	60	16	130	25	73	14	12	M6	7
¾	80	65	105	70	16	150	25	81	18	12	M6	10
1	88	87	115	79	16	160	25	107	22	12	M6	13
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19
2	144	135	165	121	19	230	45	166	39	15	M8	25

Diaphragm valves pneumatic

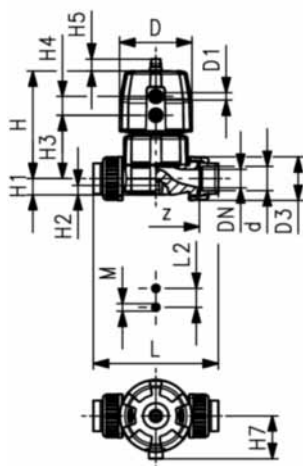
New generation

SYGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

Unions with fusion sockets metric



Model:

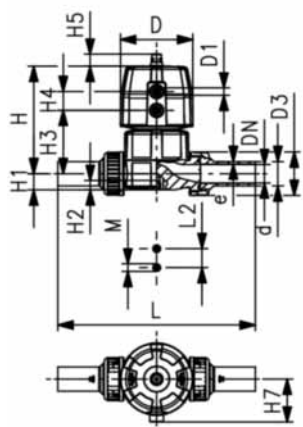
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 624 032
25	20	10	271	175 624 033
32	25	10	481	175 624 034
40	32	10	759	175 624 035
50	40	10	1263	175 624 036
63	50	6	1728	175 624 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	210	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	248	45	226	39	15	132	36	26	88	M8	194	23



SYGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

Unions with butt fusion spigots metric

Model:

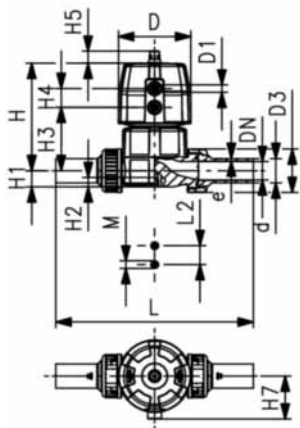
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 624 132
25	20	10	271	175 624 133
32	25	10	481	175 624 134
40	32	10	759	175 624 135
50	40	10	1263	175 624 136
63	50	6	1728	175 624 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	88	M8	23	3.0



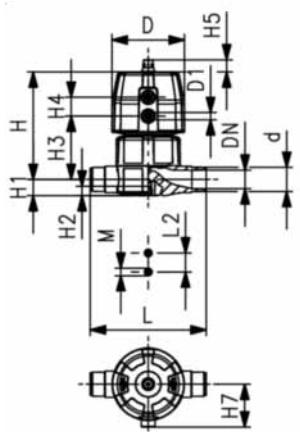
SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With socket fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 625 032
25	20	10	271	175 625 033
32	25	10	481	175 625 034
40	32	10	759	175 625 035
50	40	10	1263	175 625 036
63	50	6	1728	175 625 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



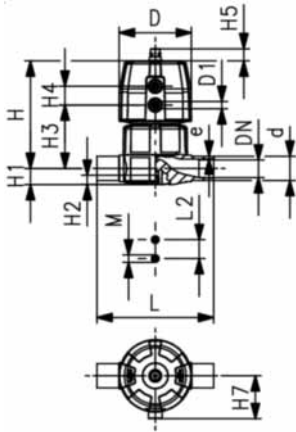
SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 625 132
25	20	10	271	175 625 133
32	25	10	481	175 625 134
40	32	10	759	175 625 135
50	40	10	1263	175 625 136
63	50	6	1728	175 625 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



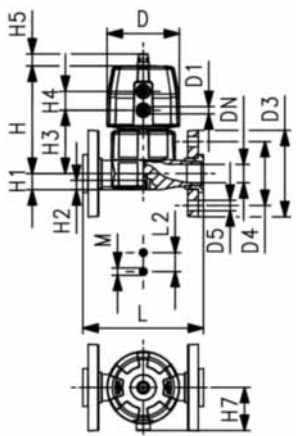
SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

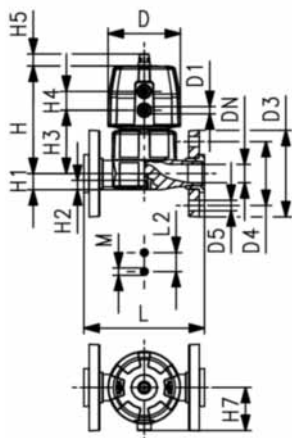
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 627 132
25	20	10	271	175 627 133
32	25	10	481	175 627 134
40	32	10	759	175 627 135
50	40	10	1263	175 627 136
63	50	6	1728	175 627 137

table continued next page



d	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d	Lift = Hx	
[mm]	[mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



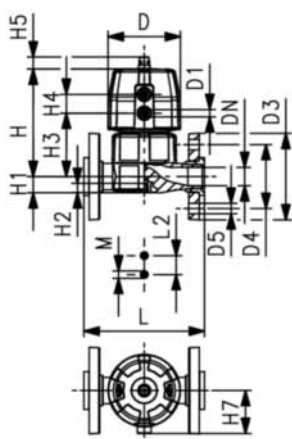
SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN	PN	kv-value (Δp=1 bar)	PTFE/EPDM Code
	[mm]	[bar]	[l/min]	
1/2	15	10	125	175 627 732
3/4	20	10	271	175 627 733
1	25	10	481	175 627 734
1 1/4	32	10	759	175 627 735
1 1/2	40	10	1263	175 627 736
2	50	6	1728	175 627 737

Inch	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx	
	[mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



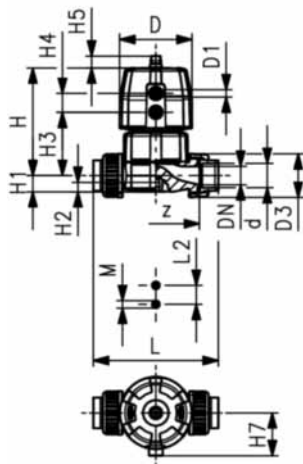
SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with fusion sockets metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 644 032
25	20	10	271	175 644 033
32	25	10	481	175 644 034
40	32	10	759	175 644 035
50	40	10	1263	175 644 036
63	50	10	1728	175 644 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	194	23



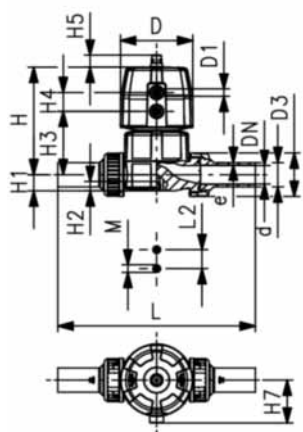
SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

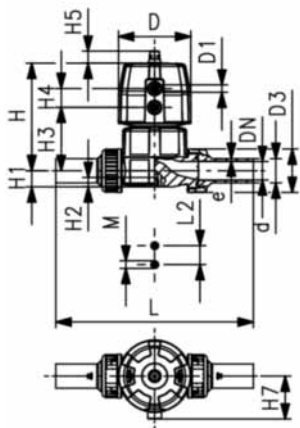
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 644 132
25	20	10	271	175 644 133
32	25	10	481	175 644 134
40	32	10	759	175 644 135
50	40	10	1263	175 644 136
63	50	10	1728	175 644 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



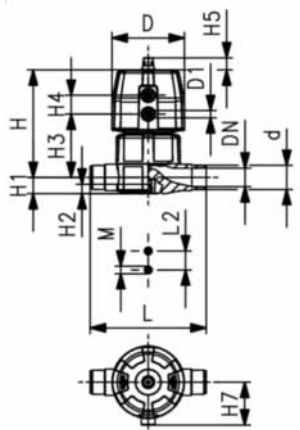
SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With socket fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

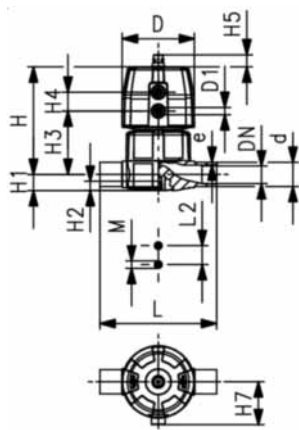
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 645 032
25	20	10	271	175 645 033
32	25	10	481	175 645 034
40	32	10	759	175 645 035
50	40	10	1263	175 645 036
63	50	10	1728	175 645 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With butt fusion spigots metric

Model:

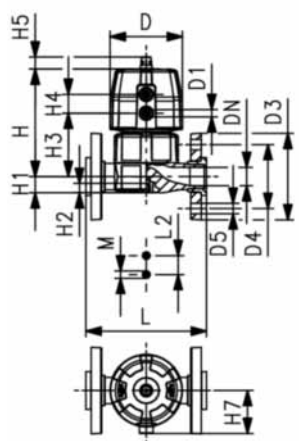
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 645 132
25	20	10	271	175 645 133
32	25	10	481	175 645 134
40	32	10	759	175 645 135
50	40	10	1263	175 645 136
63	50	10	1728	175 645 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

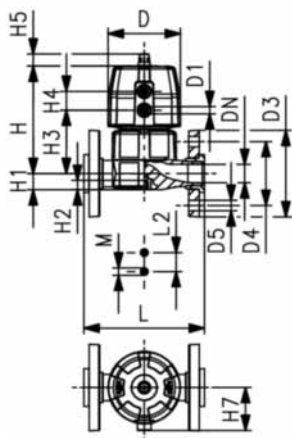
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 647 132
25	20	10	271	175 647 133
32	25	10	481	175 647 134
40	32	10	759	175 647 135
50	40	10	1263	175 647 136
63	50	10	1728	175 647 137

table continued next page



d	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
20	68	⅜	95	65	14	130	25	101	14	12	60	24	16	57	M6
25	96	⅜	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	⅜	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	⅜	140	100	18	180	45	173	26	15	99	26	26	88	M8
50	150	¼	150	110	18	200	45	214	32	15	119	36	26	103	M8
63	150	¼	165	125	18	230	45	226	39	15	132	36	26	103	M8

d	Lift = Hx	
[mm]	[mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



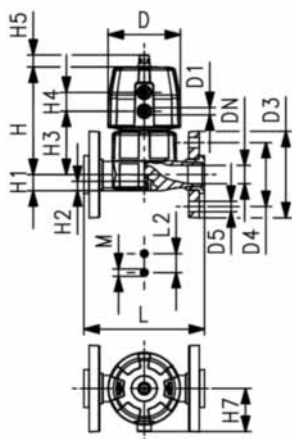
SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With backing flanges PP-V Inch ANSI

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN	PN	kv-value (Δp=1 bar)	PTFE/EPDM Code
	[mm]	[bar]	[l/min]	
½	15	10	125	175 647 732
¾	20	10	271	175 647 733
1	25	10	481	175 647 734
1 ¼	32	10	759	175 647 735
1 ½	40	10	1263	175 647 736
2	50	10	1728	175 647 737

Inch	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
½	68	⅜	95	60	16	130	25	101	14	12	60	24	16	57	M6
¾	96	⅜	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅜	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 ¼	120	⅜	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 ½	150	¼	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	¼	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx	
	[mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	



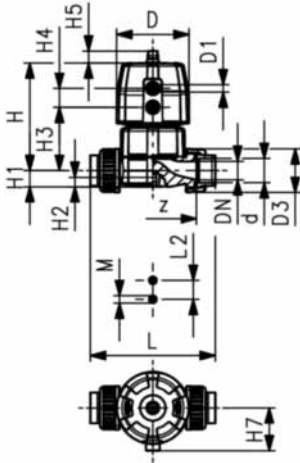
SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with fusion sockets metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 654 032
25	20	10	271	175 654 033
32	25	10	481	175 654 034
40	32	10	759	175 654 035
50	40	10	1263	175 654 036
63	50	10	1728	175 654 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	194	23



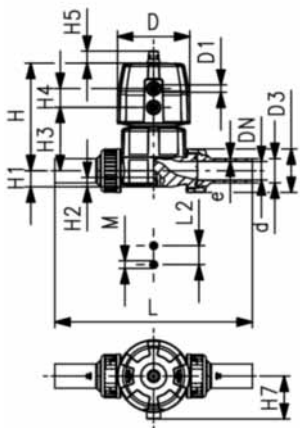
SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

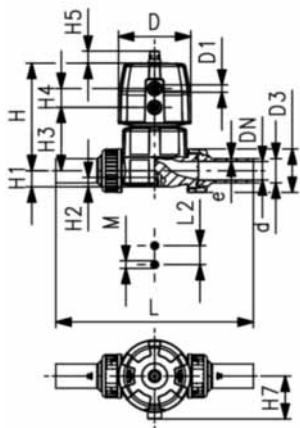
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 654 132
25	20	10	271	175 654 133
32	25	10	481	175 654 134
40	32	10	759	175 654 135
50	40	10	1263	175 654 136
63	50	10	1728	175 654 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



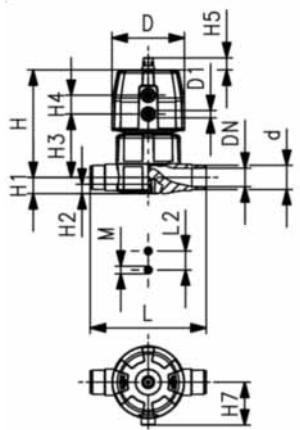
SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With socket fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

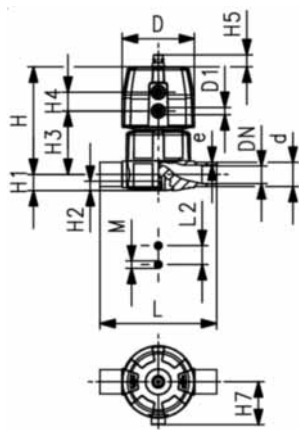
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 655 032
25	20	10	271	175 655 033
32	25	10	481	175 655 034
40	32	10	759	175 655 035
50	40	10	1263	175 655 036
63	50	10	1728	175 655 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With butt fusion spigots metric

Model:

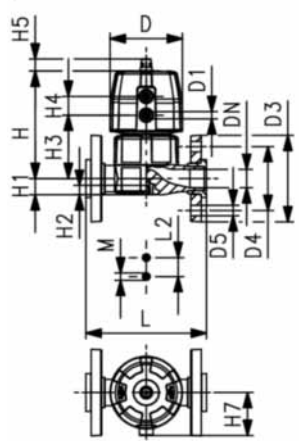
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 655 132
25	20	10	271	175 655 133
32	25	10	481	175 655 134
40	32	10	759	175 655 135
50	40	10	1263	175 655 136
63	50	10	1728	175 655 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With backing flanges PP-V metric/BS

Model:

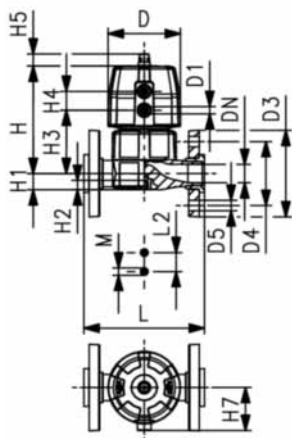
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	175 657 132
25	20	10	271	175 657 133
32	25	10	481	175 657 134
40	32	10	759	175 657 135
50	40	10	1263	175 657 136
63	50	10	1728	175 657 137

table continued next page



d	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	88	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	103	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	103	M8

d	Lift = Hx	
[mm]	[mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



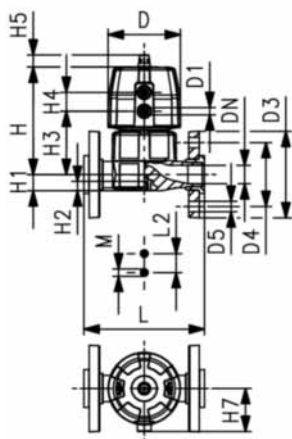
SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With backing flanges PP-V Inch ANSI

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN	PN	kv-value (Δp=1 bar)	PTFE/EPDM Code
	[mm]	[bar]	[l/min]	
1/2	15	10	125	175 657 732
3/4	20	10	271	175 657 733
1	25	10	481	175 657 734
1 1/4	32	10	759	175 657 735
1 1/2	40	10	1263	175 657 736
2	50	10	1728	175 657 737

Inch	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx	
	[mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



SYGEF Standard Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) Unions with fusion sockets metric

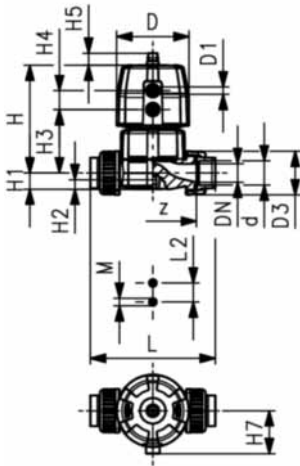
Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16/16*	125	175 634 032
25	20	16/16*	271	175 634 033
32	25	16/16*	481	175 634 034
40	32	16/16*	759	175 634 035
50	40	16/16*	1263	175 634 036
63	50	16/10*	1728	175 634 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	100	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10
32	120	1/8	166	25	167	22	12	93	26	26	69	M6	126	13
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	144	15
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	164	19
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	194	23



SYGEF Standard Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) Unions with butt fusion spigots metric

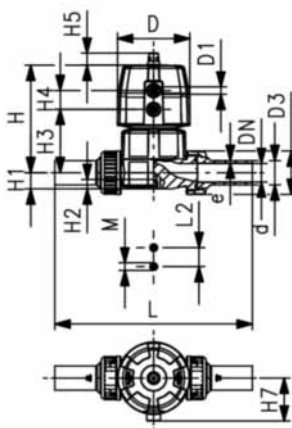
Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

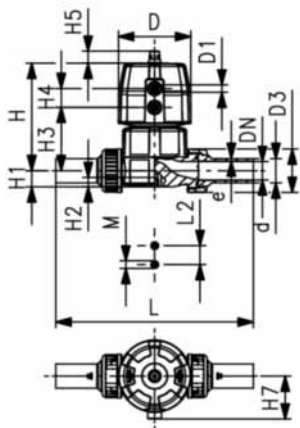
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16/16*	125	175 634 132
25	20	16/16*	271	175 634 133
32	25	16/16*	481	175 634 134
40	32	16/16*	759	175 634 135
50	40	16/16*	1263	175 634 136
63	50	16/10*	1728	175 634 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) With socket fusion spigots metric

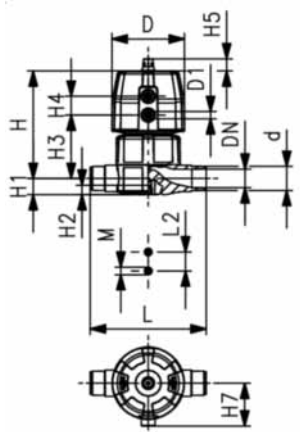
Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	16/16*	125	175 635 032
25	20	16/16*	271	175 635 033
32	25	16/16*	481	175 635 034
40	32	16/16*	759	175 635 035
50	40	16/16*	1263	175 635 036
63	50	16/10*	1728	175 635 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23



SYGEF Standard Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) With butt fusion spigots metric

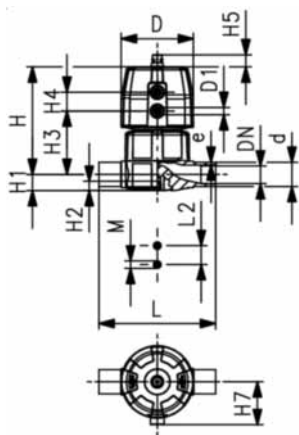
Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16/16*	125	175 635 132
25	20	16/16*	271	175 635 133
32	25	16/16*	481	175 635 134
40	32	16/16*	759	175 635 135
50	40	16/16*	1263	175 635 136
63	50	16/10*	1728	175 635 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	3.0



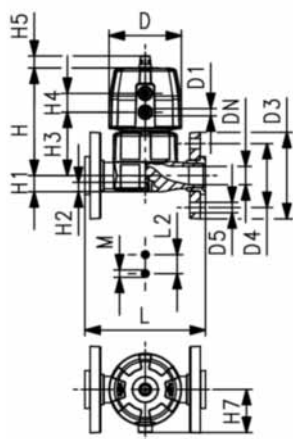
SYGEF Standard Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

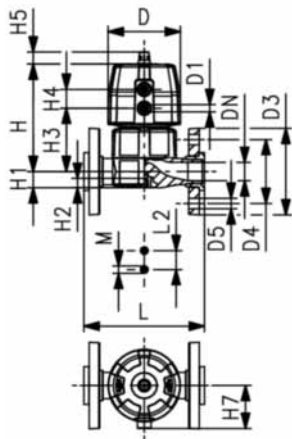
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16	125	175 637 132
25	20	16	271	175 637 133
32	25	16	481	175 637 134
40	32	16	759	175 637 135
50	40	16	1263	175 637 136
63	50	10	1728	175 637 137

table continued next page



d	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
20	96	⅜	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	⅜	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	⅜	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	¼	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	¼	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	¼	165	125	18	230	45	251	39	15	137	37	26	103	M8

d	Lift = Hx	
[mm]	[mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



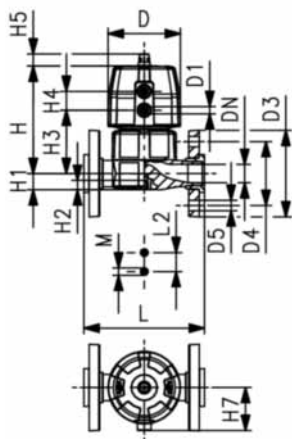
SYGEF Standard Diaphragm valve DIASTAR Sixteen FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN	PN	kv-value (Δp=1 bar)	PTFE/EPDM Code
	[mm]	[bar]	[l/min]	
½	15	16	125	175 637 732
¾	20	16	271	175 637 733
1	25	16	481	175 637 734
1 ¼	32	16	759	175 637 735
1 ½	40	16	1263	175 637 736
2	50	10	1728	175 637 737

Inch	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
½	96	⅜	95	60	16	130	25	127	14	12	68	25	16	57	M6
¾	96	⅜	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	⅜	115	79	16	160	25	167	22	12	93	26	26	69	M6
1 ¼	150	¼	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 ½	180	¼	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	¼	165	121	19	230	45	251	39	15	137	37	26	103	M8

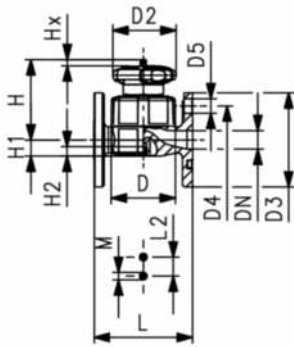
Inch	Lift = Hx	
	[mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	

Diaphragm valves new generation

SYGEF Standard

Diaphragm valve type 517

With fixed flanges PVDF JIS



Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	10	125	175 517 932
3/4	20	10	271	175 517 933
1	25	10	481	175 517 934
1 1/4	32	10	759	175 517 935
1 1/2	40	10	1263	175 517 936
2	50	10	1728	175 517 937

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	70	15	110	25	73	14	12	M6	7
3/4	80	65	100	75	15	120	25	81	18	12	M6	10
1	88	87	125	90	19	130	25	107	22	12	M6	13
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19
2	144	135	155	120	19	210	45	166	39	15	M8	25

Diaphragm valves pneumatic

New generation

SYGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With fixed flanges PVDF JIS



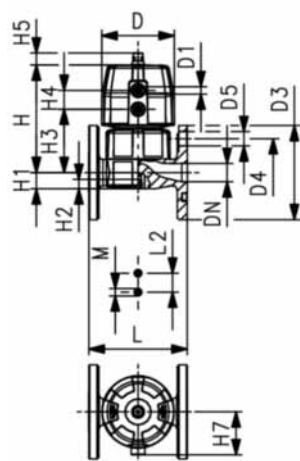
Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	175 627 912	175 627 932
¾	20	10/10*	271	175 627 913	175 627 933
1	25	10/10*	481	175 627 914	175 627 934
1 ¼	32	10/10*	759	175 627 915	175 627 935
1 ½	40	10/10*	1263	175 627 916	175 627 936
2	50	10/6*	1728	175 627 917	175 627 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	¾	95	70	15	110	25	101	14	12	60	24	16	43	M6
¾	96	¾	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	¾	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 ¼	120	¾	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	¾	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



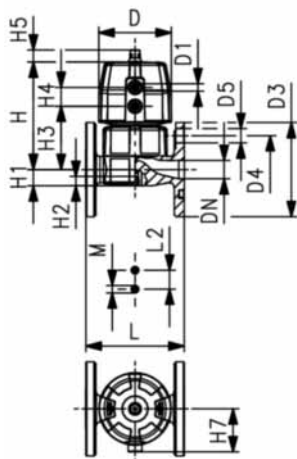
SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With fixed flanges PVDF JIS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	175 647 912	175 647 932
3/4	20	10	271	175 647 913	175 647 933
1	25	10	481	175 647 914	175 647 934
1 1/4	32	10	759	175 647 915	175 647 935
1 1/2	40	10	1263	175 647 916	175 647 936
2	50	10	1728	175 647 917	175 647 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



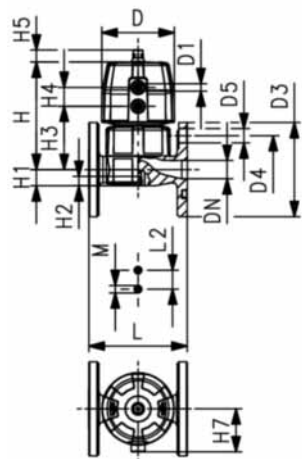
SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With fixed flanges PVDF JIS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	175 657 912	175 657 932
3/4	20	10	271	175 657 913	175 657 933
1	25	10	481	175 657 914	175 657 934
1 1/4	32	10	759	175 657 915	175 657 935
1 1/2	40	10	1263	175 657 916	175 657 936
2	50	10	1728	175 657 917	175 657 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



SYGEF Standard

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

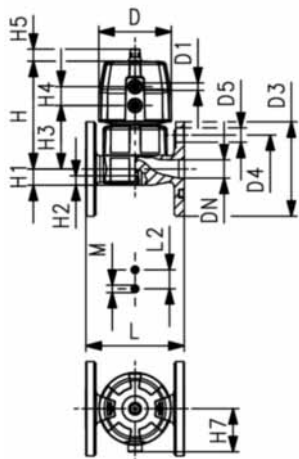
With fixed flanges PVDF JIS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



Inch	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	175 637 912	175 637 932
3/4	20	10	271	175 637 913	175 637 933
1	25	10	481	175 637 914	175 637 934
1 1/4	32	10	759	175 637 915	175 637 935
1 1/2	40	10	1263	175 637 916	175 637 936
2	50	10	1728	175 637 917	175 637 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

SYGEF Plus

Diaphragm valve type 514

With butt fusion spigots metric

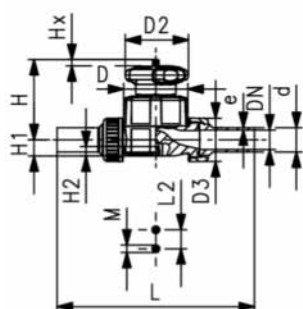


Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16	125	180 514 132
25	20	16	271	180 514 133
32	25	16	481	180 514 134
40	32	16	759	180 514 135
50	40	16	1263	180 514 136
63	50	16	1728	180 514 137

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	43	196	25	73	14	12	M6	7	1.9
25	80	65	53	221	25	81	18	12	M6	10	1.9
32	88	87	60	234	25	107	22	12	M6	13	2.4
40	101	87	74	260	45	115	26	15	M8	15	2.4
50	117	135	82	284	45	148	32	15	M8	19	3.0
63	144	135	100	321	45	166	39	15	M8	25	3.0

SYGEF Plus

Diaphragm valve type 515

With butt fusion spigots metric

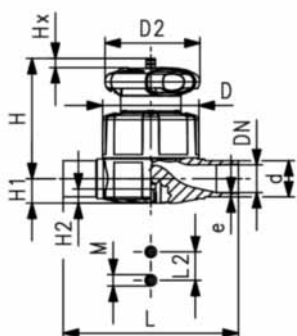


Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

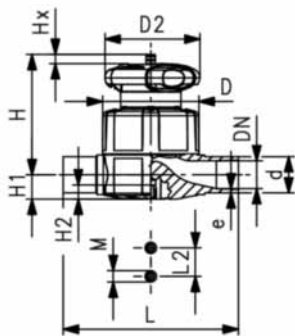
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16	125	180 515 132
25	20	16	271	180 515 133
32	25	16	481	180 515 134
40	32	16	759	180 515 135
50	40	16	1263	180 515 136
63	50	16	1728	180 515 137

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	124	25	73	14	12	M6	7	1.9
25	80	65	144	25	81	18	12	M6	10	1.9
32	88	87	155	25	107	22	12	M6	13	2.4

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
40	101	87	176	45	115	26	15	M8	15	2.4	
50	117	135	193	45	148	32	15	M8	19	3.0	
63	144	135	223	45	166	39	15	M8	25	3.0	



SYGEF Plus Diaphragm valve type 519 With butt fusion spigots metric

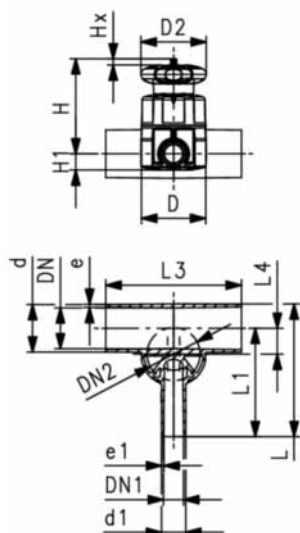
Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

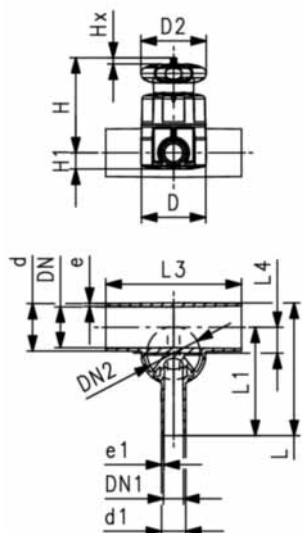
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

* Available on request



d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	
20	20	15	15	15	16	57	180 519 301	
25	20	20	15	20	16	89	180 519 303	
25	25	20	20	20	16	118	180 519 304	
32	20	25	15	20	16	80	180 519 307	
32	25	25	20	20	16	105	180 519 308	
32	32	25	25	25	16	231	180 519 309	
40	20	32	15	25	16	85	180 519 312	
40	25	32	20	25	16	119	180 519 313	
40	32	32	25	25	16	153	180 519 314	
40	40	32	32	25	16	187	180 519 315	
50	20	40	15	20	16	86	180 519 318	
50	25	40	20	25	16	160	180 519 319	
50	32	40	25	25	16	206	180 519 320	
50	40	40	32	50	16	524	180 519 321	
50	50	40	40	50	16	667	180 519 322	
63	20	50	15	20	16	84	180 519 325	
63	25	50	20	25	16	150	180 519 326	
63	32	50	25	25	16	184	180 519 327	
63	40	50	32	50	16	471	180 519 328	
63	50	50	40	50	16	610	180 519 329	
63	63	50	50	50	16	747	180 519 330	
* 75	40	65	32	25	16	221	180 519 336	
* 75	50	65	40	50	16	641	180 519 337	
* 75	63	65	50	50	16	771	180 519 338	
90	20	80	15	25	16	82	180 519 341	
90	25	80	20	25	16	103	180 519 342	
90	32	80	25	25	16	129	180 519 343	
90	50	80	40	50	16	623	180 519 345	
90	63	80	50	50	16	696	180 519 346	
110	20	100	15	25	16	78	180 519 351	
110	25	100	20	25	16	103	180 519 352	
110	32	100	25	25	16	131	180 519 353	
110	50	100	40	50	16	604	180 519 355	
110	63	100	50	50	16	661	180 519 356	

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	65	65	117	96	162	12	75	7	1.9	1.9	
25	80	65	133	108	162	16	80	10	1.9	1.9	
25	80	65	133	108	162	16	80	10	1.9	1.9	
32	80	65	142	120	162	19	84	10	2.4	1.9	
32	80	65	142	120	162	19	84	10	2.4	1.9	
32	88	87	145	120	160	19	107	13	2.4	2.4	
40	88	87	149	128	180	23	115	13	2.4	1.9	
40	88	87	149	128	180	23	115	13	2.4	1.9	
40	88	87	149	128	180	23	115	13	2.4	2.4	
40	88	87	174	153	180	23	115	13	2.4	2.4	
50	80	65	160	134	180	27	97	10	3.0	1.9	
50	88	87	160	134	180	28	120	13	3.0	1.9	
50	88	87	160	134	180	28	120	13	3.0	2.4	
50	144	135	209	169	209	33	164	25	3.0	2.4	
50	144	135	209	169	209	33	164	25	3.0	3.0	
63	80	65	177	144	180	33	104	10	3.0	1.9	
63	88	87	177	144	180	35	127	13	3.0	1.9	
63	88	87	177	144	180	35	127	13	3.0	2.4	
63	144	135	225	192	220	39	170	25	3.0	2.4	
63	144	135	225	192	220	39	170	25	3.0	3.0	
63	144	135	225	192	220	39	170	25	3.0	3.0	
* 75	88	87	205	166	190	40	133	13	3.6	2.4	
* 75	144	135	237	198	250	44	176	25	3.6	3.0	
* 75	144	135	237	198	250	44	176	25	3.6	3.0	
90	88	87	205	159	190	47	140	13	4.3	1.9	
90	88	87	205	159	190	47	140	13	4.3	1.9	
90	88	87	205	159	190	47	140	13	4.3	2.4	
90	144	135	254	207	250	51	184	25	4.3	3.0	
90	144	135	254	207	250	51	184	25	4.3	3.0	
110	88	87	227	171	190	56	149	13	5.3	1.9	
110	88	87	227	171	190	56	149	13	5.3	1.9	
110	88	87	227	171	190	56	149	13	5.3	2.4	
110	144	135	276	219	250	60	194	25	5.3	3.0	
110	144	135	276	219	250	60	194	25	5.3	3.0	

Diaphragm valves pneumatic

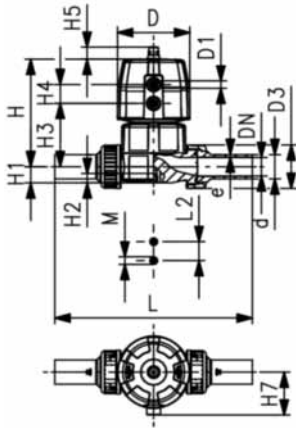
New generation

SYGEF Plus

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

Unions with butt fusion spigots metric



Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

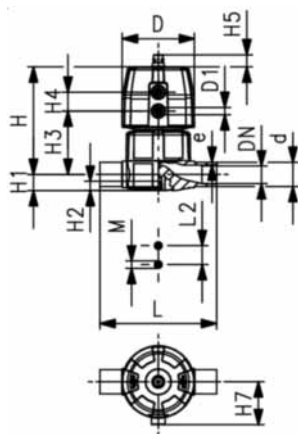
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10/10*	125	180 624 132
25	20	10/10*	271	180 624 133
32	25	10/10*	481	180 624 134
40	32	10/10*	759	180 624 135
50	40	10/10*	1263	180 624 136
63	50	10/6*	1728	180 624 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

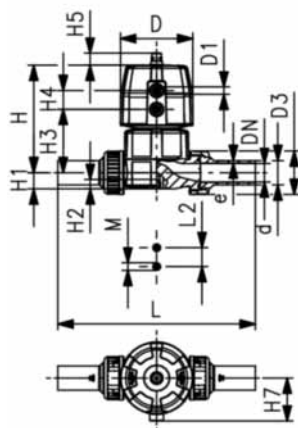
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10/10*	125	180 625 132
25	20	10/10*	271	180 625 133
32	25	10/10*	481	180 625 134
40	32	10/10*	759	180 625 135
50	40	10/10*	1263	180 625 136
63	50	10/6*	1728	180 625 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

FO (Fail safe to open)

Unions with butt fusion spigots metric

Model:

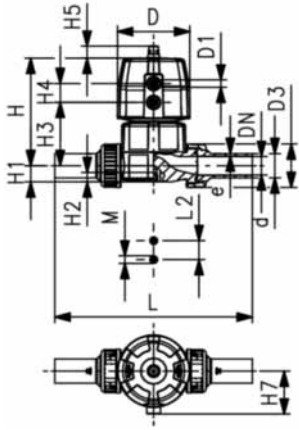
- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	180 644 132
25	20	10	271	180 644 133
32	25	10	481	180 644 134
40	32	10	759	180 644 135
50	40	10	1263	180 644 136
63	50	10	1728	180 644 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



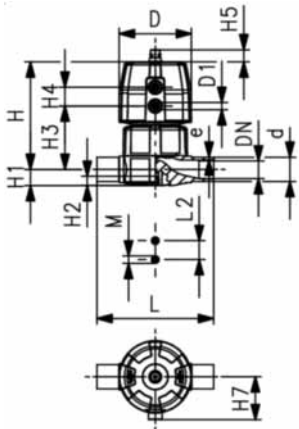
SYGEF Plus Diaphragm valve DIASTAR Ten FO (Fail safe to open) With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

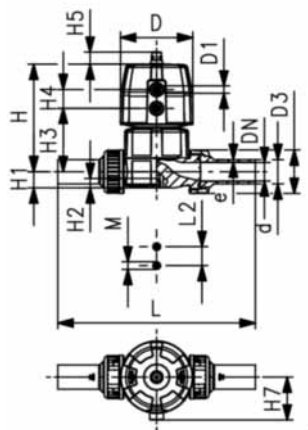
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	10	125	180 645 132
25	20	10	271	180 645 133
32	25	10	481	180 645 134
40	32	10	759	180 645 135
50	40	10	1263	180 645 136
63	50	10	1728	180 645 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

DA (Double acting)

Unions with butt fusion spigots metric

Model:

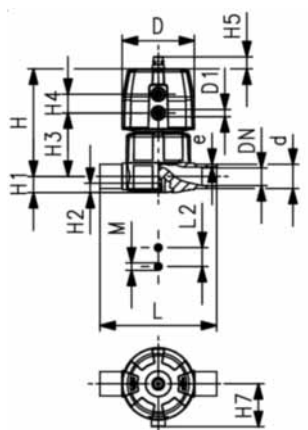
- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	180 654 132
25	20	10	271	180 654 133
32	25	10	481	180 654 134
40	32	10	759	180 654 135
50	40	10	1263	180 654 136
63	50	10	1728	180 654 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

DA (Double acting)

With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

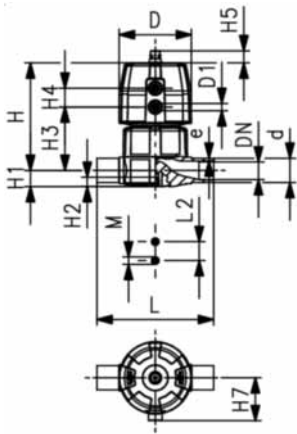
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	125	180 655 132
25	20	10	271	180 655 133
32	25	10	481	180 655 134
40	32	10	759	180 655 135
50	40	10	1263	180 655 136
63	50	10	1728	180 655 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

Unions with butt fusion spigots metric

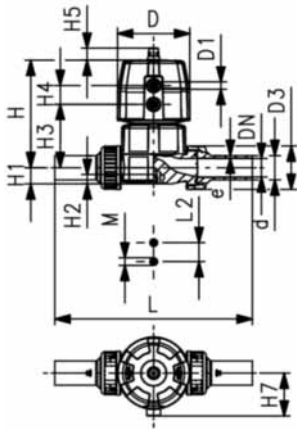
Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	16/16*	125	180 634 132
25	20	16/16*	271	180 634 133
32	25	16/16*	481	180 634 134
40	32	16/16*	759	180 634 135
50	40	16/16*	1263	180 634 136
63	50	16/10*	1728	180 634 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

With butt fusion spigots metric

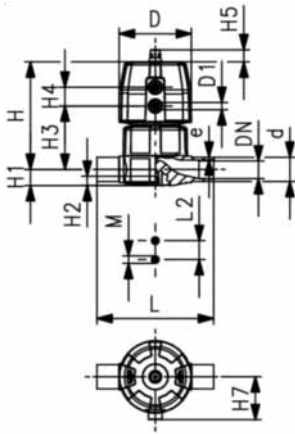
Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE/EPDM



d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16/16*	125	180 635 132
25	20	16/16*	271	180 635 133
32	25	16/16*	481	180 635 134
40	32	16/16*	759	180 635 135
50	40	16/16*	1263	180 635 136
63	50	16/10*	1728	180 635 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

With butt fusion spigots metric

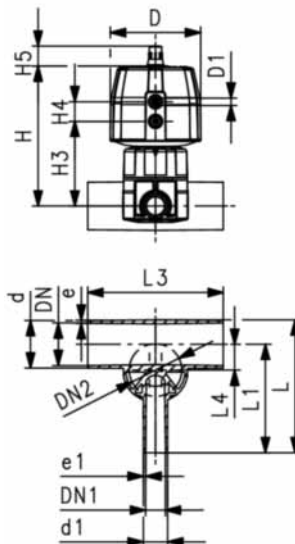
Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

Option:

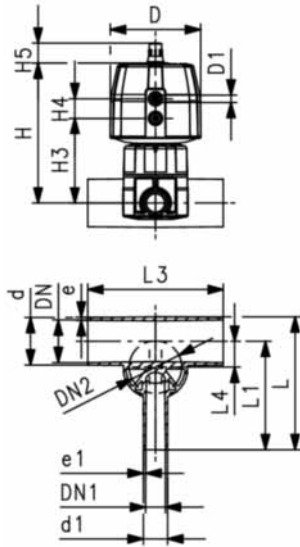
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* Available on request



d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	20	15	15	15	16	57	180 639 301
25	20	20	15	20	16	89	180 639 303
25	25	20	20	20	16	118	180 639 304
32	20	25	15	20	16	80	180 639 307
32	25	25	20	20	16	105	180 639 308
32	32	25	25	25	16	231	180 639 309
40	20	32	15	25	16	85	180 639 312
40	25	32	20	25	16	119	180 639 313
40	32	32	25	25	16	153	180 639 314
40	40	32	32	25	16	187	180 639 315
50	20	40	15	20	16	86	180 639 318

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d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
50	25	40	20	25	16	160	180 639 319
50	32	40	25	25	16	206	180 639 320
50	40	40	32	50	10	524	180 639 321
50	50	40	40	50	10	667	180 639 322
63	20	50	15	20	16	84	180 639 325
63	25	50	20	25	16	150	180 639 326
63	32	50	25	25	16	184	180 639 327
63	40	50	32	50	10	471	180 639 328
63	50	50	40	50	10	610	180 639 329
63	63	50	50	50	10	747	180 639 330
* 75	40	65	32	25	16	221	180 639 336
* 75	50	65	40	50	10	641	180 639 337
* 75	63	65	50	50	10	771	180 639 338
90	20	80	15	25	16	82	180 639 341
90	25	80	20	25	16	103	180 639 342
90	32	80	25	25	16	129	180 639 343
90	50	80	40	50	10	623	180 639 345
90	63	80	50	50	10	696	180 639 346
110	20	100	15	25	16	78	180 639 351
110	25	100	20	25	16	103	180 639 352
110	32	100	25	25	16	131	180 639 353
110	50	100	40	50	10	604	180 639 355
110	63	100	50	50	10	661	180 639 356

d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	96	1/8	117	96	162	12	130	71	25	16	7	1.9	1.9
25	96	1/8	133	108	162	16	131	72	25	16	10	1.9	1.9
25	96	1/8	133	108	162	16	131	72	25	16	10	1.9	1.9
32	96	1/8	142	120	162	19	135	76	25	16	10	2.4	1.9
32	96	1/8	142	120	162	19	135	76	25	16	10	2.4	1.9
32	120	1/8	145	120	160	19	167	93	26	26	13	2.4	2.4
40	120	1/8	149	128	180	23	175	101	26	26	13	2.4	1.9
40	120	1/8	149	128	180	23	175	101	26	26	13	2.4	1.9
40	120	1/8	149	128	180	23	175	101	26	26	13	2.4	2.4
40	120	1/8	174	153	180	23	175	101	26	26	13	2.4	2.4
50	96	1/8	160	134	180	27	148	90	25	16	10	3.0	1.9
50	120	1/8	160	134	180	28	180	106	26	26	13	3.0	1.9
50	120	1/8	160	134	180	28	180	106	26	26	13	3.0	2.4
50	180	1/4	209	169	209	33	249	135	37	26	23	3.0	2.4
50	180	1/4	209	169	209	33	249	135	37	26	23	3.0	3.0
63	96	1/8	177	144	180	33	155	96	25	16	10	3.0	1.9
63	120	1/8	177	144	180	35	187	113	26	26	13	3.0	1.9
63	120	1/8	177	144	180	35	187	113	26	26	13	3.0	2.4
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	2.4
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	3.0
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	3.0
* 75	120	1/8	205	166	190	40	193	119	26	26	13	3.6	2.4
* 75	180	1/4	237	198	250	44	262	147	37	26	23	3.6	3.0
* 75	180	1/4	237	198	250	44	262	147	37	26	23	3.6	3.0
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	1.9
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	1.9
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	2.4
90	180	1/4	254	207	250	51	269	155	37	26	23	4.3	3.0
90	180	1/4	254	207	250	51	269	155	37	26	23	4.3	3.0
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	1.9
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	1.9
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	2.4
110	180	1/4	276	219	250	60	279	165	37	26	23	5.3	3.0
110	180	1/4	276	219	250	60	279	165	37	26	23	5.3	3.0

Spare parts diaphragm valves new generation

Spare parts for hand-operated valves



Bonnet complete



d [mm]	Inch	DN [mm]	Standard configuration PN10 Code	For pressure tight housing PN10 Code	Standard configuration PN16 Code	
20	½	15	198 151 742	198 151 752	198 151 842	
25	¾	20	198 151 743	198 151 753	198 151 843	
32	1	25	198 151 744	198 151 754	198 151 844	
40	1 ¼	32	198 151 745	198 151 755	198 151 845	
50	1 ½	40	198 151 746	198 151 756	198 151 846	
63	2	50	198 151 747	198 151 757	198 151 847	

d [mm]	Inch	DN [mm]	For pressure tight housing PN16 Code	
20	½	15	198 151 852	
25	¾	20	198 151 853	
32	1	25	198 151 854	
40	1 ¼	32	198 151 855	
50	1 ½	40	198 151 856	
63	2	50	198 151 857	

Hand wheel

Model:

- Without position indicator



DN [mm]	Code	
15 - 20	198 204 162	
25 - 32	198 204 164	
40 - 50	198 104 166	



Position indicator

d [mm]	Inch	DN [mm]	Code	
20	½	15	167 484 992	
25	¾	20	167 484 993	
32	1	25	167 484 994	
40	1 ¼	32	167 484 995	
50	1 ½	40	167 484 996	
63	2	50	167 484 997	



Spindle assembly

Model:

- Incl. position indicator and compressor

DN-DN [mm]	Code	
15 - 20	198 204 327	
25 - 32	198 204 328	
40 - 50	198 204 329	



Seal set

Model:

- For manual valve - pressure tight housing
- Incl. position indicator

d [mm]	Inch	DN [mm]	EPDM Code	
20	½	15	198 000 892	
25	¾	20	198 000 893	
32	1	25	198 000 894	
40	1 ¼	32	198 000 895	
50	1 ½	40	198 000 896	
63	2	50	198 000 897	

Spare parts for automatic valves



Diastar Six/Ten/Sixteen

d [mm]	Inch	DN [mm]	Diastar Six Code	Diastar Ten Code	Diastar Sixteen FC Code	Diastar Ten FO Code	
20	½	15	198 151 762	198 151 772	198 151 782	198 151 792	
25	¾	20	198 151 763	198 151 773	198 151 783	198 151 793	
32	1	25	198 151 764	198 151 774	198 151 784	198 151 794	
40	1 ¼	32	198 151 765	198 151 775	198 151 785	198 151 795	
50	1 ½	40	198 151 766	198 151 776	198 151 786	198 151 796	
63	2	50	198 151 767	198 151 777	198 151 787	198 151 797	

d [mm]	Inch	DN [mm]	Diastar Ten DA Code	
20	½	15	198 151 802	
25	¾	20	198 151 803	
32	1	25	198 151 804	
40	1 ¼	32	198 151 805	
50	1 ½	40	198 151 806	
63	2	50	198 151 807	

Indicator cap



Size	Code	
1-2	198 806 639	
3-5	198 806 640	



Compressor set

Model:

- Incl. diaphragm holder

d [mm]	Inch	DN [mm]	Code	
20	1/2	15	198 000 872	
25	3/4	20	198 000 873	
32	1	25	198 000 874	
40	1 1/4	32	198 000 875	
50	1 1/2	40	198 000 876	
63	2	50	198 000 877	

Seal set



Size	Diastar Six/Ten/ Sixteen Code	Only for Diastar Six DN40/DN50 Code	
Gr. 1	198 000 881	-	
Gr. 2	198 000 882	-	
Gr. 3	198 000 883	198 000 886	
Gr. 4	198 000 884	-	
Gr. 5	198 000 885	-	

Spare parts diaphragm



d [mm]	Inch	DN [mm]	NBR Code	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/EPDM HP Code	
20	1/2	15	745 500 012	748 500 012	749 500 012	747 502 012	747 502 032	
25	3/4	20	745 500 013	748 500 013	749 500 013	747 502 013	747 502 033	
32	1	25	745 500 014	748 500 014	749 500 014	747 502 014	747 502 034	
40	1 1/4	32	745 500 015	748 500 015	749 500 015	747 502 015	747 502 035	
50	1 1/2	40	745 500 016	748 500 016	749 500 016	747 502 016	747 502 036	
63	2	50	745 500 017	748 500 017	749 500 017	747 502 017	747 502 037	

d [mm]	Inch	DN [mm]	PTFE/FPM Code	
20	1/2	15	747 503 012	
25	3/4	20	747 503 013	
32	1	25	747 503 014	
40	1 1/4	32	747 503 015	
50	1 1/2	40	747 503 016	
63	2	50	747 503 017	

Spare parts for valve body type 514

Valve body with true union

Model:

- Without connection parts



d [mm]	Inch	DN [mm]	PVC-U Code	PVC-C Code	ABS Code	PP-H Code	PVDF Code	
20	1/2	15	161 492 062	163 482 052	169 481 322	167 483 522	175 483 682	
25	3/4	20	161 492 063	163 482 053	169 481 323	167 483 523	175 483 683	
32	1	25	161 492 064	163 482 054	169 481 324	167 483 524	175 483 684	
40	1 1/4	32	161 492 065	163 482 055	169 481 325	167 483 525	175 483 685	
50	1 1/2	40	161 492 066	163 482 056	169 481 326	167 483 526	175 483 686	
63	2	50	161 492 067	163 482 057	169 481 327	167 483 527	175 483 687	

d [mm]	Inch	DN [mm]	PVDF HP Code	
20	1/2	15	180 001 002	
25	3/4	20	180 001 003	
32	1	25	180 001 004	

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d [mm]	Inch	DN [mm]	PVDF HP Code	
40	1 ¼	32	180 001 005	
50	1 ½	40	180 001 006	
63	2	50	180 001 007	



Union end

d [mm]	Inch	DN [mm]	PVC-U metric Code	PVC-U JIS Code	PVC-U BS Code	PVC-U ASTM Code	PP-H metric Code	
20	½	15	721 600 106	721 605 106	721 601 106	721 602 006	727 600 106	
25	¾	20	721 600 107	721 605 107	721 601 107	721 602 007	727 600 107	
32	1	20	721 600 108	721 605 108	721 601 108	721 602 008	727 600 108	
40	1 ¼	32	721 600 109	721 605 109	721 601 109	721 602 009	727 600 109	
50	1 ½	40	721 600 110	721 605 110	721 601 110	721 602 010	727 600 110	
63	2	50	721 600 111	721 605 111	721 601 111	721 602 011	727 600 111	

d [mm]	Inch	DN [mm]	PVDF metric Code	
20	½	15	735 600 106	
25	¾	20	735 600 107	
32	1	20	735 600 108	
40	1 ¼	32	735 600 109	
50	1 ½	40	735 600 110	
63	2	50	735 600 111	



Union nut

d [mm]	Inch	DN [mm]	PVC-U Code	PVC-C Code	ABS Code	PP-H Code	PVDF Code	
20	½	15	721 690 006	723 690 006	729 690 406	727 690 406	735 690 406	
25	¾	20	721 690 007	723 690 007	729 690 407	727 690 407	735 690 407	
32	1	25	721 690 008	723 690 008	729 690 408	727 690 408	735 690 408	
40	1 ¼	32	721 690 009	723 690 009	729 690 409	727 690 409	735 690 409	
50	1 ½	40	721 690 010	723 690 010	729 690 410	727 690 410	735 690 410	
63	2	50	721 690 011	723 690 011	729 690 411	727 690 411	735 690 411	



O-ring

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	
20	½	15	748 410 006	749 410 006	
25	¾	20	748 410 007	749 410 007	
32	1	25	748 410 008	749 410 008	
40	1 ¼	32	748 410 009	749 410 009	
50	1 ½	40	748 410 010	749 410 010	
63	2	50	748 410 011	749 410 011	

Spare parts for valve body type 515

Valve body with spigot ends



d [mm]	Inch	DN [mm]	PVC-U solvent cement spigot Code	PVC-C solvent cement spigot Code	ABS solvent cement spigot Code	
20	½	15	161 492 072	163 482 062	169 481 862	
25	¾	20	161 492 073	163 482 063	169 481 863	
32	1	25	161 492 074	163 482 064	169 481 864	
40	1 ¼	32	161 492 075	163 482 065	169 481 865	
50	1 ½	40	161 492 076	163 482 066	169 481 866	
63	2	50	161 492 077	163 482 067	169 481 867	



d [mm]	Inch	DN [mm]	PP-H socket fusion spigot Code	PP-H butt fusion spigot IR Code	PP-N butt fusion spigot IR Code	
20	½	15	167 483 342	167 483 882	168 480 462	
25	¾	20	167 483 343	167 483 883	168 480 463	
32	1	25	167 483 344	167 483 884	168 480 464	
40	1 ¼	32	167 483 345	167 483 885	168 480 465	
50	1 ½	40	167 483 346	167 483 886	168 480 466	
63	2	50	167 483 347	167 483 887	168 480 467	



d [mm]	Inch	DN [mm]	PVDF socket fusion spigot Code	PVDF butt fusion spigot IR Code	PVDF-HP butt fusion spigot IR Code	
20	½	15	175 483 692	175 483 742	180 001 012	
25	¾	20	175 483 693	175 483 743	180 001 013	
32	1	25	175 483 694	175 483 744	180 001 014	
40	1 ¼	32	175 483 695	175 483 745	180 001 015	
50	1 ½	40	175 483 696	175 483 746	180 001 016	
63	2	50	175 483 697	175 483 747	180 001 017	

Spare parts for valve body type 517

Valve body with flange connection



d [mm]	Inch	DN [mm]	PVC-U JIS Code	PP-H JIS Code	PVDF JIS Code	
20	½	15	161 480 282	167 484 402	175 483 532	
25	¾	20	161 480 283	167 484 403	175 483 533	
32	1	25	161 480 284	167 484 404	175 483 534	
40	1 ¼	32	161 480 285	167 484 405	175 483 535	
50	1 ½	40	161 480 286	167 484 406	175 483 536	
63	2	50	161 480 287	167 484 407	175 483 537	

Flange adaptor flat



d [mm]	Inch	DN [mm]	PVC-U metric Code	PVC-C metric Code	ABS metric Code	PP-H metric Code	
20	½	15	721 800 106	723 790 106	729 790 106	727 790 206	
25	¾	20	721 800 107	723 790 107	729 790 107	727 790 207	
32	1	25	721 800 108	723 790 108	729 790 108	727 790 208	
40	1 ¼	32	721 800 109	723 790 109	729 790 109	727 790 209	
50	1 ½	40	721 800 110	723 790 110	729 790 110	727 790 210	
63	2	50	721 790 111	723 790 111	729 790 111	727 790 211	

d [mm]	Inch	DN [mm]	PVDF metric Code	
20	½	15	735 790 206	
25	¾	20	735 790 207	
32	1	25	735 790 208	

table continued next page

d [mm]	Inch	DN [mm]	PVDF metric Code	
40	1 ¼	32	735 790 209	
50	1 ½	40	735 790 210	
63	2	50	735 790 211	

Flange



d [mm]	Inch	DN [mm]	PVC-U metric Code	PVC-U ASTM Code	PP-V metric Code	PP-V ASTM Code	PP-ST metric Code
20	½	15	721 700 006	721 702 206	727 700 406	727 701 406	727 700 206
25	¾	20	721 700 007	721 702 207	727 700 407	727 701 407	727 700 207
32	1	25	721 700 008	721 702 208	727 700 408	727 701 408	727 700 208
40	1 ¼	32	721 700 009	721 702 209	727 700 409	727 701 409	727 700 209
50	1 ½	40	721 700 010	721 702 210	727 700 410	727 701 410	727 700 210
63	2	50	721 700 011	721 702 211	727 700 411	727 701 411	727 700 211

d [mm]	Inch	DN [mm]	PP-ST ASTM Code	
20	½	15	727 701 206	
25	¾	20	727 701 207	
32	1	25	727 701 208	
40	1 ¼	32	727 701 209	
50	1 ½	40	727 701 210	
63	2	50	727 701 211	

Flat gasket



d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	
20	½	15	748 400 006	749 400 006	
25	¾	20	748 400 007	749 400 007	
32	1	25	748 400 008	749 400 008	
40	1 ¼	32	748 400 009	749 400 009	
50	1 ½	40	748 400 010	749 400 010	
63	2	50	748 400 011	749 400 011	

Spare parts for valve body type 519

Valve body with butt fusion spigot



d [mm]	Inch	PP-H Code	PP-Natur Code	PVDF-HP Code	
20 - 20	½	167 485 911	168 480 601	180 001 101	
25 - 20	¾	167 485 912	168 480 602	180 001 102	
25 - 25	¾	167 485 913	168 480 603	180 001 103	
32 - 20	1	167 485 914	168 480 604	180 001 104	
32 - 25	1	167 485 915	168 480 605	180 001 105	
32 - 32	1	167 485 916	168 480 606	180 001 106	
40 - 20	1 ¼	167 485 917	168 480 607	180 001 107	
40 - 25	1 ¼	167 485 918	168 480 608	180 001 108	
40 - 32	1 ¼	167 485 920	168 480 609	180 001 109	
40 - 40	1 ¼	167 485 921	168 480 610	180 001 110	
50 - 20	1 ½	167 485 922	168 480 611	180 001 111	
50 - 25	1 ½	167 485 923	168 480 612	180 001 112	
50 - 32	1 ½	167 485 924	168 480 613	180 001 113	
50 - 40	1 ½	167 485 925	168 480 614	180 001 114	
50 - 50	1 ½	167 485 926	168 480 615	180 001 115	
63 - 20	2	167 485 927	168 480 616	180 001 116	
63 - 25	2	167 485 928	168 480 617	180 001 117	
63 - 32	2	167 485 929	168 480 618	180 001 118	
63 - 40	2	167 485 930	168 480 619	180 001 119	
63 - 50	2	167 485 931	168 480 620	180 001 120	
63 - 63	2	167 485 932	168 480 621	180 001 121	
75 - 40	2 ½	167 485 933		180 001 122	
75 - 50	2 ½	167 485 934		180 001 123	

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d [mm]	Inch	PP-H Code	PP-Natur Code	PVDF-HP Code	
75 - 63	2 ½	167 485 935		180 001 124	
90 - 20	3	167 485 936		180 001 125	
90 - 25	3	167 485 937		180 001 126	
90 - 32	3	167 485 938		180 001 127	
90 - 50	3	167 485 939		180 001 128	
90 - 63	3	167 485 940		180 001 129	
110 - 20	4	167 485 941		180 001 130	
110 - 25	4	167 485 942		180 001 131	
110 - 32	4	167 485 943		180 001 132	
110 - 50	4	167 485 944		180 001 133	
110 - 63	4	167 485 945		180 001 134	

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161 480 285	201	161 514 615	35	161 517 617	36
161 480 286	201	161 514 616	35	161 517 622	48
161 480 287	201	161 514 617	35	161 517 623	48
161 492 062	199	161 514 622	47	161 517 624	48
161 492 063	199	161 514 623	47	161 517 625	48
161 492 064	199	161 514 624	47	161 517 626	48
161 492 065	199	161 514 625	47	161 517 627	48
161 492 066	199	161 514 626	47	161 517 912	50
161 492 067	199	161 514 627	47	161 517 913	50
161 492 072	201	161 514 712	35	161 517 914	50
161 492 073	201	161 514 713	35	161 517 915	50
161 492 074	201	161 514 714	35	161 517 916	50
161 492 075	201	161 514 715	35	161 517 917	50
161 492 076	201	161 514 716	35	161 517 922	62
161 492 077	201	161 514 717	35	161 517 923	62
161 514 001	12	161 514 812	49	161 517 924	62
161 514 002	12	161 514 813	49	161 517 925	62
161 514 003	12	161 514 814	49	161 517 926	62
161 514 004	12	161 514 815	49	161 517 927	62
161 514 005	12	161 514 816	49	161 614 011	16
161 514 006	12	161 514 817	49	161 614 012	16
161 514 007	12	161 514 822	61	161 614 013	16
161 514 021	27	161 514 823	61	161 614 014	16
161 514 022	27	161 514 824	61	161 614 015	16
161 514 023	27	161 514 825	61	161 614 016	16
161 514 024	27	161 514 826	61	161 614 017	16
161 514 025	27	161 514 827	61	161 614 412	17
161 514 026	27	161 514 912	49	161 614 413	17
161 514 027	27	161 514 913	49	161 614 414	17
161 514 212	13	161 514 914	49	161 614 415	17
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161 514 313	13	161 514 925	61	161 614 516	31
161 514 314	13	161 514 926	61	161 614 517	31
161 514 315	14	161 514 927	61	161 614 612	37
161 514 316	14	161 515 002	14	161 614 613	37
161 514 317	14	161 515 003	14	161 614 614	37
161 514 402	12	161 515 004	14	161 614 615	37
161 514 403	12	161 515 005	14	161 614 616	37
161 514 404	12	161 515 006	14	161 614 617	37
161 514 405	12	161 515 007	14	161 614 712	37
161 514 406	12	161 515 022	28	161 614 713	37
161 514 407	12	161 515 023	28	161 614 714	37
161 514 422	27	161 515 024	28	161 614 715	37
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161 514 426	27	161 517 002	15	161 614 813	51
161 514 427	27	161 517 003	15	161 614 814	51
161 514 502	30	161 517 004	15	161 614 815	51
161 514 503	30	161 517 005	15	161 614 816	51
161 514 504	30	161 517 006	15	161 614 817	51
161 514 505	30	161 517 007	15	161 614 912	51
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161 514 507	30	161 517 023	29	161 614 914	51
161 514 522	47	161 517 024	29	161 614 915	51
161 514 523	47	161 517 025	29	161 614 916	51
161 514 524	47	161 517 026	29	161 614 917	51
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161 647 926	65	161 657 927	66	163 617 113	71
161 647 927	65	163 514 012	68	163 617 114	71
161 654 011	23	163 514 013	68	163 617 115	71
161 654 012	23	163 514 014	68	163 617 116	71
161 654 013	23	163 514 015	68	163 617 117	71
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161 654 514	33	163 514 616	80	163 624 012	72
161 654 515	33	163 514 617	80	163 624 013	72
161 654 516	33	163 514 622	90	163 624 014	72
161 654 517	33	163 514 623	90	163 624 015	72
161 654 612	43	163 514 624	90	163 624 016	72
161 654 613	43	163 514 625	90	163 624 017	72
161 654 614	43	163 514 626	90	163 624 612	83
161 654 615	43	163 514 627	90	163 624 613	83
161 654 616	43	163 515 012	68	163 624 614	83
161 654 617	43	163 515 013	68	163 624 615	83
161 654 712	43	163 515 014	68	163 624 616	83
161 654 713	43	163 515 015	68	163 624 617	83
161 654 714	43	163 515 016	68	163 625 012	72
161 654 715	43	163 515 017	68	163 625 013	72
161 654 716	43	163 517 112	69	163 625 014	72
161 654 717	43	163 517 113	69	163 625 015	72
161 654 812	57	163 517 114	69	163 625 016	72
161 654 813	57	163 517 115	69	163 625 017	72
161 654 814	57	163 517 116	69	163 627 112	73
161 654 815	57	163 517 117	69	163 627 113	73
161 654 816	57	163 517 712	80	163 627 114	73
161 654 817	57	163 517 713	80	163 627 115	73
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