Pegler Yorkshire

PB500 CP Brass Full Bore Ball Valve Red Lever Handle PN25

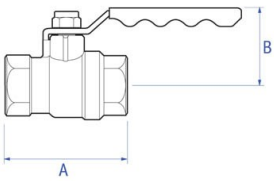
Chromium plated brass full bore ball valve (Red Lever Handle) PN25

GENERAL INFORMATION

Pattern No. key :Standard Thread = BS21 Taper, AT = American Thread, PT = Parallel Thread

Size	Pattern No.	Pack 1 Qty	Code	Barcode	Discontinued
1/4	PB500	10	242001	5013866029479	
3/8	PB500	10	242002	5013866029486	
1/2	PB500	10	242003	5013866029493	
3/4	PB500	10	242004	5013866029509	
1	PB500	5	242005	5013866029516	
1 1/4	PB500	5	242006	5013866029523	
1 1/2	PB500	2	242007	5013866029530	
2	PB500	2	242008	5013866029547	
2 1/2	PB500	1	242009	5013866011399	
3	PB500	1	242010	5013866011405	
4	PB500	1	242011	5013866011412	
1/4	PB500 PT	0	242021	5022050233592	31/10/2004
3/8	PB500 PT	10	242022	5013866029561	31/10/2004
1/2	PB500 PT	10	242023	5013866029578	
3/4	PB500 PT	10	242024	5013866029585	
1	PB500 PT	5	242025	5013866029592	
1 1/4	PB500 PT	5	242026	5013866029608	
1 1/2	PB500 PT	2	242027	5013866029615	
2	PB500 PT	2	242028	5013866029622	
2 1/2	PB500 PT	1	242029	5013866011504	
3	PB500 PT	1	242030	5013866011511	
4	PB500 PT	1	242031	5013866011528	31/10/2004
1/4	PB500 AT	10	242041	753818005438	31/10/2004
3/8	PB500 AT	10	242042	753818005445	31/10/2004
1/2	PB500 AT	10	242043	5022050234186	
3/4	PB500 AT	10	242044	5022050234223	
1	PB500 AT	5	242045	5022050233653	
1 1/4	PB500 AT	5	242046	5022050233714	
1 1/2	PB500 AT	2	242047	5022050234261	
2	PB500 AT	2	242048	5022050234308	
2 1/2	PB500 AT	1	242049	5022050233776	
3	PB500 AT	1	242050	5022050233813	
4	PB500 AT	1	242051	5022050233875	

For latest prices and delivery to your door visit MyTub Ltd - 0845 303 8383 - www.mytub.co.uk - info@mytub.co.uk



DIMENSIONS (mm)

Code	Description	A	B	Kg
242001	1/4 PB500 BRASS BALL VALVE FXF	48	35	0.15
242002	3/8 PB500 BRASS BALL VALVE FXF	49	35	0.15
242003	1/2 PB500 BRASS BALL VALVE FXF	59	39	0.23
242004	3/4 PB500 BRASS BALL VALVE FXF	68	50	0.40
242005	1 PB500 BRASS BALL VALVE FXF	80	55	0.61
242006	1.1/4 PB500 BRASS BALL VALVE FXF	95	62	0.95
242007	1.1/2 PB500 BRASS BALL VALVE FXF	100	78	1.33
242008	2 PB500 BRASS BALL VALVE FXF	122	84	2.18
242009	2.1/2 PB500 BRASS BALL VALVE FXF	150	97	3.75
242010	3 PB500 BRASS BALL VALVE FXF	177	122	6.20
242011	4 PB500 BRASS BALL VALVE FXF	214	136	10.45
242021	1/4 PB500 PT BRASS BALL VALVE FXF	48	35	91.5
242022	3/8 PB500 PT BRASS BALL VALVE FXF	48.5	35	91.5
242023	1/2 PB500 PT BRASS BALL VALVE FXF	59	39	0.23
242024	3/4 PB500 PT BRASS BALL VALVE FXF	68	50	0.40
242025	1 PB500 PT BRASS BALL VALVE FXF	80	55	0.61
242026	1.1/4 PB500 PT BRASS BALL VALVE FXF	95	62	0.95
242027	1.1/2 PB500 PT BRASS BALL VALVE FXF	100	78	1.33
242028	2 PB500 PT BRASS BALL VALVE FXF	122	84	2.18
242029	2.1/2 PB500 PT BRASS BALL VALVE FXF	150	97	3.75
242030	3 PB500 PT BRASS BALL VALVE FXF	177	122	6.20
242031	4 PB500 PT BRASS BALL VALVE FXF	214	136	255
242041	1/4 PB500 AT BRASS BALL VALVE FXF	48	35	91.5
242042	3/8 PB500 AT BRASS BALL VALVE FXF	48.5	35	91.5
242043	1/2 PB500 AT BRASS BALL VALVE FXF	59	39	0.23
242044	3/4 PB500 AT BRASS BALL VALVE FXF	68	50	0.40
242045	1 PB500 AT BRASS BALL VALVE FXF	80	55	0.61
242046	1.1/4 PB500 AT BRASS BALL VALVE FXF	95	62	0.95
242047	1.1/2 PB500 AT BRASS BALL VALVE FXF	100	78	1.33
242048	2 PB500 AT BRASS BALL VALVE FXF	122	84	2.18
242049	2.1/2 PB500 AT BRASS BALL VALVE FXF	150	97	3.75
242050	3 PB500 AT BRASS BALL VALVE FXF	177	122	6.20
242051	4 PB500 AT BRASS BALL VALVE FXF	214	136	10.45

PRESSURE & TEMPERATURE

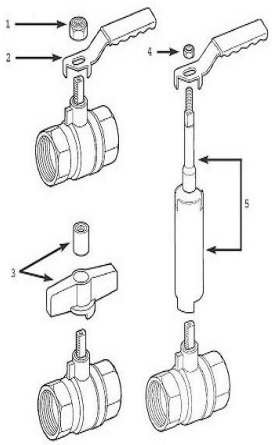
PB500 CP Brass Full Bore Ball Valve Red Lever Handle PN25	Minimum Operating Pressure (bar)	Maximum Cold Working Pressure (bar)	Maximum Hot Working Pressure (bar)
1 PB500 BRASS BALL VALVE FXF	No Minimum Operating Pressure	25.0 bar at temperatures up to 100oC	16.5 bar at temperatures up to 150oC

MATERIAL SPECIFICATIONS

Number	Component	Material
1	Body	Forged Brass, Chrome Plated (1/4" to 2") Gravity Die Cast Brass, Chrome Plated (2.1/2" to 4")
2	End Piece	Forged Brass, Chrome Plated (1/4" to 2") Gravity Die Cast Brass, Chrome Plated (2.1/2" to 4")
3	Ball	Brass Bar, Chrome Plated (1/4" to 1/2") Forged Brass, Chrome Plated (3/4" to 2") Gravity Die Cast Brass, Chrome Plated (2.1/2" to 4")
4	Stem	Brass Bar
5	Seats	PTFE (Teflon)
6	Thrust Washer	PTFE (Teflon)
7	Stem O Ring	Viton
8	Red Lever	High Temperature PVC Insulated Zinc Plated Steel
9	Nut (Self Locking)	Zinc Plated Steel

SPARES

For latest prices and delivery to your door visit MyTub Ltd - 0845 303 8383 - www.mytub.co.uk - info@mytub.co.uk



1					
Pattern / Size	**Description**	**Code**	**Barcode**	**Date From**	**Date To**
PB500 / 1/4	LN36 LOCKNUT (M7)	850531	5013866061165	01/01/1900	current
PB500 / 3/8	LN36 LOCKNUT (M7)	850531	5013866061165	01/01/1900	current
PB500 / 1/2	LN36 LOCKNUT (M7)	850531	5013866061165	01/01/1900	current
PB500 / 3/4	LN37 LOCKNUT (M10)	850532	5013866061172	01/01/1900	current
PB500 / 1	LN37 LOCKNUT (M10)	850532	5013866061172	01/01/1900	current
PB500 / 1.1/4	LN37 LOCKNUT (M10)	850532	5013866061172	01/01/1900	current
PB500 / 1.1/2	LN38 LOCKNUT (M12)	850533	5013866061189	01/01/1900	current
PB500 / 2	LN38 LOCKNUT (M12)	850533	5013866061189	01/01/1900	current
PB500 / 2.1/2	LN39 LOCKNUT (M16)	850534	5013866061196	01/01/1900	current
PB500 / 3	LN40 LOCKNUT (M22)	850535	5013866061202	01/01/1900	current
PB500 / 4	LN40 LOCKNUT (M22)	850535	5013866061202	01/01/1900	current
PB500 PT / 1/4	LN36 LOCKNUT (M7)	850531	5013866061165	01/01/1900	current
PB500 PT / 3/8	LN36 LOCKNUT (M7)	850531	5013866061165	01/01/1900	current
PB500 PT / 1/2	LN36 LOCKNUT (M7)	850531	5013866061165	01/01/1900	current
PB500 PT / 3/4	LN37 LOCKNUT (M10)	850532	5013866061172	01/01/1900	current
PB500 PT / 1	LN37 LOCKNUT (M10)	850532	5013866061172	01/01/1900	current
PB500 PT / 1.1/4	LN37 LOCKNUT (M10)	850532	5013866061172	01/01/1900	current
PB500 PT / 1.1/2	LN38 LOCKNUT (M12)	850533	5013866061189	01/01/1900	current
PB500 PT / 2	LN38 LOCKNUT (M12)	850533	5013866061189	01/01/1900	current
PB500 PT / 2.1/2	LN39 LOCKNUT (M16)	850534	5013866061196	01/01/1900	current
PB500 PT / 3	LN40 LOCKNUT (M22)	850535	5013866061202	01/01/1900	current
PB500 PT / 4	LN40 LOCKNUT (M22)	850535	5013866061202	01/01/1900	current

2					
Pattern / Size	**Description**	**Code**	**Barcode**	**Date From**	**Date To**
PB500 / 1/4	L61 LEVER (RED)	850554	5013866061295	01/01/1900	current
PB500 / 3/8	L61 LEVER (RED)	850554	5013866061295	01/01/1900	current
PB500 / 1/2	L61 LEVER (RED)	850554	5013866061295	01/01/1900	current
PB500 / 3/4	L62 LEVER (RED)	850555	5013866061301	01/01/1900	current
PB500 / 1	L62 LEVER (RED)	850555	5013866061301	01/01/1900	current
PB500 / 1.1/4	L62 LEVER (RED)	850555	5013866061301	01/01/1900	current
PB500 / 1.1/2	L63 LEVER (RED)	850556	5013866061318	01/01/1900	current
PB500 / 2	L63 LEVER (RED)	850556	5013866061318	01/01/1900	current
PB500 / 2.1/2	L64 LEVER (RED)	850557	5013866061325	01/01/1900	current
PB500 / 3	L65 LEVER (RED)	850558	5013866061332	01/01/1900	current
PB500 / 4	L65 LEVER (RED)	850558	5013866061332	01/01/1900	current
PB500 PT / 1/4	L61 LEVER (RED)	850554	5013866061295	01/01/1900	current
PB500 PT / 3/8	L61 LEVER (RED)	850554	5013866061295	01/01/1900	current
PB500 PT / 1/2	L61 LEVER (RED)	850554	5013866061295	01/01/1900	current
PB500 PT / 3/4	L62 LEVER (RED)	850555	5013866061301	01/01/1900	current
PB500 PT / 1	L62 LEVER (RED)	850555	5013866061301	01/01/1900	current
PB500 PT / 1.1/4	L62 LEVER (RED)	850555	5013866061301	01/01/1900	current
PB500 PT / 1.1/2	L63 LEVER (RED)	850556	5013866061318	01/01/1900	current
PB500 PT / 2	L63 LEVER (RED)	850556	5013866061318	01/01/1900	current
PB500 PT / 2.1/2	L64 LEVER (RED)	850557	5013866061325	01/01/1900	current
PB500 PT / 3	L65 LEVER (RED)	850558	5013866061332	01/01/1900	current
PB500 PT / 4	L65 LEVER (RED)	850558	5013866061332	01/01/1900	current

CARE & MAINTENANCE

Care

No regular aesthetic care is required for this product

Maintenance

A regular maintenance program is the most efficient method of ensuring longer term operational efficiency of the selected valve. Such a program would need to include a risk assessment and a planned procedure of how the maintenance will be carried out. The possibility of operational limits being exceeded and the potential hazards ensuring must be considered as part of this assessment. This should be implemented to include visual checks on the valve's condition and any development of unforeseen conditions, which could lead to failure. The correct fitting tools and equipment should be used for valve maintenance work. Separate means of draining the pipe work must be provided when carrying out any maintenance to valves. Where there may be any system debris this could be collected and /or filtered by installation of the appropriate protective device.

For further help please contact your local engineer.

If your product is under warranty please contact the Service Support Team on: 0800 1560050

For latest prices and delivery to your door visit MyTub Ltd - 0845 303 8383 - www.mytub.co.uk - info@mytub.co.uk

REGULATIONS

Regulations

THE PRESSURE EQUIPMENT DIRECTIVE 97/23/EC and CE MARKING

The Pressure Equipment Regulations 1999 (SI 1999/2001) have now been introduced into United Kingdom law.

Valves with a maximum allowable pressure greater than 0.5 bar are covered by these new Regulations. Valves are categorised according to their maximum working pressure, size and rising level of hazard. The level of hazard varies according to the fluid being carried. Fluids are classified as Group 1, dangerous fluids or Group 2, all other fluids including steam. The Categories designated are SEP (sound engineering practice). Valves up to and including 25mm (1") are designated SEP regardless of the fluid group. Those identified as having increased hazard are Categorised as, I, II, III or IV. All valves designated as SEP do not bear the CE mark nor require a Declaration of Conformity. Categories I, II, III or IV carry the CE mark and require a Declaration of Conformity. Valves classified from the piping chart would not be included in Category IV.

GUARANTEE

Valves and Fittings

Pegler Yorkshire Customcare 5 Year Guarantee - Terms and Conditions

Products are subject to a 5 year guarantee that is between Pegler Yorkshire and the final purchaser of the product.

The guarantee is subject to proof of purchase being supplied.

This guarantee does not affect any statutory rights the consumer may have in law.

The guarantee covers manufacturing or material defects and does not cover parts subject to normal wear and tear.

This product range has been designed for the use of homeowners, domestic and commercial applications and therefore the guarantee is subject to the product being properly selected for their intended service conditions.

The guarantee is not applicable where the product is fitted contrary to the conditions in the fitting instructions.

This is reinforced where valves are covered by the European Pressure Equipment Directive (PED97/23/EC) where Installation, Operating and Maintenance Instructions are supplied with each product and/or carton.

Provided it is installed correctly and receives adequate preventative maintenance it should give years of trouble – free service.

Abusive behaviour and accidental damage to the product are not covered by this guarantee.

The extent of this liability is limited to the cost of the replacement of the defective item and not to fitting or consequential damages.

APPROVALS

WRAS PB500 PB500T

For latest prices and delivery to your door visit MyTub Ltd - 0845 303 8383 - www.mytub.co.uk - info@mytub.co.uk

5075 Pegler Maintenance Instrc 1/3/05 9:19 am Page 1

Product Data Sheet: Valves Package

THE PRESSURE EQUIPMENT DIRECTIVE 97/23/EC & CE MARKING

The Pressure Equipment Regulations 1999 (SI 1999/2001) have now been introduced into United Kingdom law. Valves with a maximum allowable pressure greater than 0.5 bar are covered by these new Regulations. Valves are categorised according to their maximum working pressure, size and rising level of hazard. The level of hazard varies according to the fluid being carried. Fluids are classified as Group 1 ,dangerous fluids or Group 2, all other fluids including steam. The categories designated are SEP (sound engineering practice). Valves up to and including 25mm (1") are designated SEP regardless of the fluid group. Those identified as having increased hazard are categorised as, I, II, III or IV. All valves designated as SEP do not bear the CE mark nor require a Declaration of Conformity. Categories I, II, III or IV carry the CE mark and require a Declaration of Conformity. Valves classified from the piping chart would not be included in Category IV.

CE MARKING & THE ATEX Directive 94/9/EC

Concerning equipment and protection systems intended for use in potentially explosive atmospheres. This has been implemented in United Kingdom law by the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmosphere Regulations 1996(31 1996/192) and amended by The Equipment and Protective Systems (amendment) Regulations 2001 (SI2001/3766). The regulations apply to all valves where each valve: a) has its own potential source of ignition. b) operates in a potentially explosive atmosphere created by:

i) the presence of air/dust mixtures external to the valve.
ii) the presence of gases, vapours, mists released from the valve through leakage.

The regulations will not apply to a valve without a potential source of ignition, which operates in a dust free environment and the fluid being transported is cold, inert gas or non-flammable liquid. The requisite level of protection for valves not exempt from the regulations is defined as Group II category 2 and shall bear the following markings: Ex II 2 GD X

VALVE SELECTION *Selection, Storage & Protection*

Valves must be properly selected for their intended service conditions. Provided it is installed correctly and receives adequate preventative maintenance it should give years of trouble-free service. They must be compatible with the system design, pressure and temperature requirements and must be suitable for the fluids that they are intended to carry. Interactions between metals in the pipe system and the valve must be considered as part of the valve selection.
Valves should be stored off the ground in a clean, dry, indoor area. Where desiccant bags are included with the valve these should be changed after a period of 6 months.
Pegler valves are supplied in cardboard cartons or are bagged as appropriate and so adequate protection from damage is provided. When Pegler valves are fitted with pressure equipment or assemblies, suitable protective devices may be required.

PRESSURE/TEMPERATURE RATING

Valves must be installed in a piping system whose normal pressure and temperature does not exceed the stated rating of the valve. The maximum allowable pressure in valves as specified in the standards is for non-shock conditions. Water hammer and impact should also be avoided.
If system testing will subject the valve to pressures in excess of the working pressure rating, this should be within the "shell test pressure for the body" to a maximum of 1.5 times the PN rating and conducted with the valve fully opened.
It may be hazardous to use these valves outside of their specified pressure and temperature limitations and also when not used for the correct application.

LOCATION/END-OF-LINE SERVICE

To ensure ease of operation, adjustment, maintenance and repair, valve siting should be decided during the system design phase.To prevent imposing strain on the valve seat, pipe work and valves they must be adequately supported.
The 1072, 1070/125, 1065 and 1068 Gate valves are suitable for end of line service but we strongly recommend the fitting of a blanking plug to the downstream end of the valve. Pegler Ball, Globe, Check, Flanged and Lever Gate valves are not suitable for end-of-line service.

INSTALLATION *Health & Safety*

Before starting work on any installation a risk assessment must be made to consider the possibility of operational limits being exceeded and reduction or elimination of any potential hazards.
1. Protective clothing and safety equipment must be utilised as appropriate to the hazard presented by the nature of the process to which the valve is being installed or maintained.
2. Before installing or removing a valve the pipeline circulating pumps (when fitted) must be turned off. The pipeline must be de-pressurised, drained and vented. Valves must be fully opened to ensure release of any pipeline or valve pressure.
3. Fitters must be trained in manual and mechanical handling to enable them to safely lift and install Pegler valves.
4. The valve selected must be suitable for the required service conditions. The pressure and temperature limitations are indicated on the valve nameplate, body or data plate. These must not be exceeded.
5. Valve seats, seals and internal components can be damaged by system debris. Protective devices may need to be fitted and system flushing may be required.
6. Any flushing fluid used to clean the pipeline must not cause any damage to the valve and its components.
7. Pegler valves must not be misused by lifting them by their hand wheels, levers or stems.
8. Pegler valves are not suitable for fatigue loading, creep conditions, fire testing, fire hazard environment, corrosive or erosive service, or for carrying fluids containing abrasive solids. There is no allowance for corrosion in the design of these valves. Designs for this valve do not allow for decomposition of unstable fluids and must not be used where this could occur.
9. Pegler valves are not designed to withstand the effects of fire, wind, earthquakes and traffic.
10. All Health and Safety Rules must be followed when installing and maintaining valves.

INSTALLATION

Unpack the valve and check that the flow paths and valve threads are clean and free from debris.
Check the body markings and nameplate to ensure that the correct valve has been selected for installation.
Gate valves and Globe valves may be fixed in "Vertical pipe work with stem horizontal" or "Horizontal pipe work with stem vertical and upright". Globe valves are marked with a directional flow arrow on the body. The valve will function correctly providing it is fitted so that the fluid transported follows the indicated flow direction.
Make sure that a gate valve is fully closed during installation.
Fitting a gate valve in the open position may cause twisting and the gate and seating may not mate properly. The valve should be operated from fully open to fully closed to test that it has been correctly installed.
The valve should not be installed in horizontal pipe work with stem horizontal because full closure may be impeded by an accumulation of system debris. Pegler Valves are manufactured to exacting standards and, therefore, should not be subjected to misuse. The following should be avoided: ***Careless handling** of the valve (Valves should not be lifted using the hand wheel, lever or the stem).
***Dirt and debris** entering the valve through the end ports.
***Excessive force** during assembly and hand wheel operation.
Ball valves may be fixed in any orientation, always leaving enough space for the 90° operation of the lever handle.
Horizontal and Vertical pattern check valves may be fitted in horizontal pipe work with the cap upper most and vertically with the flow in an upwards direction. The valve is marked with a directional flow arrow on the body. The valve will function correctly providing it is fitted so that the fluid transported follows the indicated flow direction. Check valves having 6 diameters of straight length of pipe upstream and 3 diameters downstream are suitable for velocities of 3 metres per second. If the valve is situated such that non uniform or pulsating flow enters the valve, e.g. the valve is close to reciprocating pumps, then the velocity should not exceed 2 metres per second. Use suitable hangers close to both ends of the valve in order to remove stresses transmitted by the pipe. Confirm that the pipe threading length is correct to avoid excessive penetration of the pipe into the valve that would otherwise cause damage. Care should be taken to apply jointing compound to the pipe only and not in the valve threads. Surplus compound will then be forced outwards and will not enter the valve. Over use of compound can lead to valve failure on the body ends. Threads should be engaged correctly when tightening the valve onto the pipe. The wrench should always be fitted on the body end adjacent to the joint being made. Severe damage can occur to stems, valves and seats by the use of hand wheels or levers larger than those originally supplied by the manufacturer, and by wheel keys. Any electrical component e.g. actuators, limit switches must be explosion proof and comply with the ATEX Directive and Standards as listed in BS EN 1127-1 clause 6.4.5.

OPERATION

Gate Valves
To open - an anti-clockwise rotation of the hand wheel will open the valve. When it will go no further return the hand wheel clockwise 1/2 turn. To close the valve a clockwise rotation of the hand wheel will close the valve. Closure will be confirmed when the handle can be turned no further.
Caution: Service applications with extremes of temperature may cause the wedge to become tight in the valve. The valve may be become stiff to operate in these circumstances. Suitable hand protection should be worn when operating valves used in extreme temperature applications. The valve should only be used in the fully open or fully closed position. Gate valves are not suitable for regulating and throttling service.
Globe Valves
To open - an anti-clockwise rotation of the hand wheel will open the valve. When it will go no further return the hand wheel clockwise 1/2 turn.
To close the valve a clockwise rotation of the hand wheel will close the valve. Closure will be confirmed when the handle can be turned no further.
Caution: Suitable hand protection should be worn when operating valves used in extreme temperature applications. Globe valves are suitable for regulating and throttling service.
Check Valves
The Horizontal/vertical pattern check valves operate according to the flow within the pipeline and there is no external method of operation.
Ball Valves
PB LEVER HANDLE To open - turn the lever 90° so that it is in line with the pipe run in which it is installed. To close - turn the lever 90° so that it is across the line of the pipe in which it is installed. Full opening and closing is completed when a full 90° is achieved and the lever is firmly set against the stop on the valve body.
PB T Models have lockable handles for use in both open and closed positions. In the fully open position the T handle is in line with the pipe work. To lock the valve in the open position a hexagon key of the appropriate size can be used to remove the securing screw. The T handle can then be lifted from the valve. This should then be rotated through 180° and refitted on to the valve spindle ensuring the handle slot engages on to the body lug. Insert the securing screw and re-tighten with the hexagon key.
PB EL models are fitted with an extended spindle mechanism that lifts the lever away from the body and is particularly useful when pipe insulation is being used. This version is only available with a standard lever handle.
Caution: Service applications with extremes of temperature may cause the ball to become tight in the valve. The valve may be become stiff to operate in these circumstances. Suitable hand protection should be worn when operating valves used in extreme temperature applications. The valve should only be used in the fully open or fully closed position. Ball valves are not suitable for regulating or throttling applications.

MAINTENANCE

A regular maintenance program is the most efficient method of ensuring longer term operational efficiency of the selected valve. Such a program would need to include a risk assessment and a planned procedure of how the maintenance will be carried out. The possibility of operational limits being exceeded and the potential hazards ensuing must be considered as part of this assessment.
This should be implemented to include visual checks on the valve's condition and any development of unforeseen conditions, which could lead to failure. The correct fitting tools and equipment should be used for valve maintenance work. Separate means of draining the pipe work must be provided when carrying out any maintenance to valves. Where there may be any system debris this should be collected and/or filtered by installation of the appropriate protective device.
Gland Adjustment. - The gland may need adjustment during installation and then periodically thereafter to maintain a stem gland seal.
NOTE: It is recommended that within the 1st year the gland be inspected at 3 monthly intervals to check for gland leakage.
Gland Replacement - Under normal working conditions Pegler gate and globe valves do not normally require any maintenance, however, in the event of maintenance being necessary, the following procedure should be followed:
Before starting work, de-pressurise the system, turn off any circulating pumps. Slacken the hand wheel nut and remove the nut, nameplate and hand wheel. Remove the gland nut and gland ring. Using a suitable tool, lift out the existing packing and make sure the stem and stuffing box are clean & free from debris. Care must be taken not to damage the valve stem.
Fit a replacement Pegler packing gland into the stuffing box and push down firmly.
Re-assemble the gland ring and gland nut.
Re-attach the handwheel, nameplate and nut.
Tighten the gland nut and confirm stem resistance while operating the valve. Once line pressure is re-established a check for leak tightness should be made, further adjust the gland nut as required necessary to achieve a satisfactory seal.
NB. Permanent removal of the gland nut and /or the Data. Plate will invalidate the CE compliance of this valve. Pegler Ball valves and Check valves are generally NOT suitable for maintenance.
According to valve type, gland packing and valve discs may be replaced. Valves within the scope of the ATEX Directive with a protective level defined as Group II catergory 2 will operate in Zone 1 (gases/vapours) or Zone 21 (dust) designated in BS1127-1 Explosion prevention and protection. Tools are either "single spark" e.g. screwdriver, spanner, impact screwdriver or "shower of sparks" e.g. sawing or grinding. Only steel "single spark" tools are permitted in Zones 1 & 21. Tools causing showers of sparks are only permissible if: a) no hazarous explosive atmosphere is present. b) dust deposits have been removed and no dust cloud is present. The use of tools on equipment in Zones 1 and 21 should be subject to a "permit to work" system.
1029 Renewable Valve Disc Replacement.
Before starting work de-pressurise the system, turn off any circulating pumps, and ensure the valve is empty of fluid. Using a suitable wrench remove the complete bonnet assembly from the valve. Care should be taken to ensure the pipework is held securely during this process so that there is no distortion to the valve threads. Any damage to the threads could lead to valve failure. Slacken and remove disc nut and disc.
Assess damage to valve seat replacing the whole valve if necessary.
The valve disc can be replaced with an equivalent size disc and type as appropriate. Re-attach a replacement disc and disc nut.
Re-assemble the bonnet in to the valve body, checking for damage. Ensure the valve bonnet is joined securely to body and will not leak.
N.B. The 1029 Globe valves have non-metallic PTFE valve discs.
Installation, Operating & Maintenance Instructions are available from Sales Office.
Pegler recommended spares must be used. Refer to Pegler Technical Department for further information.

PRODUCT LIFE SPAN

When a valve is properly selected for its service conditions it should give years of trouble-free service provided it is installed correctly and receives adequate preventative maintenance. By not considering the compatibility of the system design and the pressure and temperature requirements the life expectancy of the valves can be adversely affected and valve failure may occur. The nature of the fluid being carried through the valve could also affect the valve performance as this could lead to premature valve failure. There may also be interactions between metals in the pipe system and the valve which need to be considered. Appropriate flushing and cleaning of the plpe work Installation should take place when commissioning the system as this would help extend the valve life.
Reference Material: Pegler Valves Package Brochure, Pegler Spares Catalogue, and Spares Price list. A Technical File is held at Doncaster as part of the requirements for compliance to the European Pressure Equipment Directive (PED 97/23 EC).

MAINTAINING A POLICY OF CONTINUAL PRODUCT DEVELOPMENT PEGLER LTD RESERVES THE RIGHT TO CHANGE SPECIFICATION, DESIGN AND MATERIALS OF PRODUCTS LISTED IN THIS LEAFLET WITHOUT PRIOR NOTICE.

Head Office:
Pegler Limited, St Catherine's Avenue, Doncaster, South Yorkshire DN4 8DF England www.pegler.co.uk

UK Sales:
Northern Tel: 0870 1200281 Fax: 01302 560108
Southern Tel: 0870 1200282 Fax: 01302 560458
Western Tel: 0870 1200283 Fax: 01302 560109
uk.sales@pegler.co.uk

Export Sales:
Tel: 44 (0) 1302 855656 Fax: 44 (0) 1302 730513
export@pegler.co.uk

Pegler
QUALITY • RELIABILITY • INNOVATION

Pegler
QUALITY • RELIABILITY • INNOVATION
Engineers Valves

Installation, Operating & Maintenance Instructions
Pressure Equipment Directive
PED 97/23/EC Compliant
A Watertight Guarantee Of Quality

delivery to your door visit MyTub Ltd - 0845 303 8383 - www.mytub.co.uk - in

VALVE SUITABILITY

	Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
Ball Valves	PB700	✔	✔	✔	✔*	✔*	✔*	✔*	×
	PB500 RED	✔	✔	✔	✔*	×	×	×	×
	PB500 YELLOW	✔	✔	✔	✔*	✔*	✔*	✔*	×
	PB300 RED/BLUE	✔	✔	✔	✔*	×	×	×	×
	PB300 YELLOW	✔	✔	✔	✔*	✔*	✔*	✔*	×
	PB100	×	✔	✔	✔*	×	×	×	×
Gate Valves	1065	×	✔	✔	×	×	×	×	×
	1068	✔	✔	✔	×	×	×	×	×
	1072	✔	✔	✔	×	×	×	×	×
	1070/125	✔	✔	✔	×	×	×	×	×
	P81M	✔	✔	✔	×	×	×	×	×
	63	×	✔	✔	×	×	×	×	×
	GM63	×	✔	✔	×	×	×	×	×
Globe Valves	1029	✔	✔	✔	✔*	✔*	✔*	✔*	×
	1031	✔	✔	✔	×	×	×	×	×
Check Valves	1039	✔	✔	✔	×	×	×	×	×
	1060A	✔	✔	✔	×	×	×	×	×
	1062	✔	✔	✔	×	×	×	×	×
	1063	×	✔	×	✔**	×	×	×	×
	1064	×	✔	×	✔**	×	×	×	×
Drain Cocks	1832	×	✔	×	×	×	×	×	×
	833GM, GM LS	×	✔	×	×	×	×	×	×

* Pressure limited to 10 bar for Air & Gas applications. ** Pressure limited to 5 bar for Air applications.

Thread Depths (mm)

	Product	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"
Ball Valves	PB700	11.5	11.9	15.4	16.7	19.4	21.7	21.4	26.0	30.5	33.5	39.5
	PB500 RED	11.5	11.9	15.4	16.7	19.4	21.7	21.4	26.0	30.5	33.5	39.5
	PB500 YELLOW	11.5	11.9	15.4	16.7	19.4	21.7	21.4	26.0	30.5	33.5	39.5
	PB300 RED/BLUE	-	-	-	-	-	-	-	-	-	-	-
	PB300 YELLOW	-	-	-	-	-	-	-	-	-	-	-
	PB100	-	-	12.7	14.0	16.2	18.5	18.5	22.8	-	-	-
Gate Valves	1065	-	-	12.7	14.0	16.1	18.5	18.5	22.8	-	-	-
	1068	-	-	15.0	16.3	19.1	21.4	21.4	25.7	30.2	33.3	39.3
	1072	-	-	15.0	16.3	19.1	21.4	21.4	25.7	-	-	-
	1070/125	11.4	11.4	15.0	16.3	19.1	21.4	21.4	25.7	30.2	33.3	39.3
	P81M	-	-	-	-	-	-	-	-	-	-	-
	63	-	-	-	-	-	-	-	-	-	-	-
	GM63	-	-	-	-	-	-	-	-	-	-	-
Globe Valves	1029	7.5	7.9	9.9	11.1	12.3	14.3	14.3	18.2	19.8	22.6	-
	1031	-	-	9.9	11.1	12.3	14.3	14.3	18.2	-	-	-
Check Valves	1039	-	-	9.9	11.1	12.3	14.3	14.3	18.2	-	-	-
	1060A	-	-	15.0	16.3	19.1	21.4	21.4	25.7	25.0	33.0	33.0
	1062	-	-	15.9	16.7	19.0	-	-	-	-	-	-
	1063	-	10.3	12.8	14.2	15.0	15.2	16.4	17.2	19.8	26.0	26.6
	1064	-	10.3	12.8	14.2	15.0	15.2	16.4	17.2	19.8	26.0	26.6
Drain Cocks	1832	-	-	-	-	-	-	-	-	-	-	-
	833GM, GMLS	-	-	-	-	-	-	-	-	-	-	-

OPERATIONAL LIMITS

	Product	PN	Non- Shock Pressure @ Temp. Range	Non- Shock Pressure @ Max. Range
Ball Valves	PB700	40*	40 Bar - 10°C to 110°C	10 Bar at 180°C
	PB500 RED	25	25 Bar - 10°C to 100°C	16.5 Bar at 150°C
	PB500 YELLOW	25*	25 Bar - 10°C to 100°C	16.5 Bar at 150°C
	PB300 RED/BLUE	16	16 Bar - 10°C to 30°C	5 bar at 120°C
	PB300 YELLOW	16*	16 Bar - 10°C to 30°C	5 Bar at 120°C
	PB100	25	25 Bar - 10°C to 100°C	4 Bar at 120°C
Gate Valves	1065	17.5	17.5 Bar - 0°C to 25°C	17.5 Bar at 93°C
	1068	20	20 Bar - 10°C to 100°C	9 Bar at 180°C
	1072	32	32 Bar - 10°C to 100°C	14 Bar at 198°C
	1070/125	20	20 Bar - 10°C to 100°C	9 Bar at 180°C
	P81M	16	20 Bar - 10°C to 100°C	9 Bar at 180°C
	63	16	16 Bar - 10°C to 30°C	5 Bar at 120°C
	GM63	16	16 Bar - 10°C to 30°C	5 Bar at 120°C
Globe Valves	1029	32*	32 Bar - 10°C to 100°C	14 Bar at 198°C
	1031	32	32 Bar - 10°C to 100°C	14 Bar at 198°C
Check Valves	1039	32	32 Bar - 10°C to 100°C	14 Bar at 198°C
	1060A	25	25 Bar - 10°C to 100°C	10.5 Bar at 186°C
	1062	25	25 Bar - 10°C to 100°C	10.5 Bar at 186°C
	1063	8 - 12	0°C to 90°C	90°C
	1064	8 - 12	0°C to 90°C	90°C
Drain Cocks	1832	10	10 Bar - 0°C to 120°C	10 Bar at 120°C
	833GM, GM LS	10	20 Bar - 10°C to 100°C	13 Bar at 120°C

* 10 bar for Gas

PED Categorisation Table

	Product	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"
Ball Valves	PB700	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	Cat 1	Cat 1	Cat 1	Cat 1	Cat 1	Cat 1
	PB500 RED	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P
	PB500 YELLOW	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	Cat 1	Cat 1	Cat 1	Cat 1	Cat 1	Cat 1
	PB300 RED/BLUE	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	-	-	-
	PB300 YELLOW	-	-	S.E.P	S.E.P	S.E.P	-	-	-	-	-	-
	PB100	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	-	-	-
Gate Valves	1065	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	-	-	-
	1068	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P
	1072	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	-	-	-
	1070/125	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P
	P81M	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	-	-	-
	63	-	-	S.E.P	S.E.P	S.E.P	S.E.P	-	-	-	-	-
	GM63	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	-	-	-
Globe Valves	1029	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	Cat 1	Cat 1	Cat 1	Cat 2	Cat 2	-
	1031	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	-	-	-
Check Valves	1039	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	-	-	-
	1060A	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	Cat 2
	1062	-	-	S.E.P	S.E.P	S.E.P	-	-	-	-	-	-
	1063	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P
	1064	-	-	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P	S.E.P
Drain Cocks	1832	-	-	S.E.P	S.E.P	S.E.P	-	-	-	-	-	-
	833GM, GM LS	-	-	S.E.P	-	-	-	-	-	-	-	-

Category 1 and Category 2 carry the CE mark

Next day delivery to your door visit MyTub Ltd - 0845 303 8383 - www.mytub.co.uk - info@mytub.co.uk