

DONKIN CAST IRON SOFTSEAL VALVE, PN16

555

The Series 555 Softseal Valve is a double-faced, resilient seat, internal screw, clear bore wedge gate valve. It is designed primarily for the isolation of natural gas and town's gas.

Features:

- Full double block and bleed facility with pressure relieving plug.
- Soft seal positive shut off, metal to metal secondary seal.
- Maintenance free.
- Kitemark approved to GIS/V7 Part 1.
- Self supporting "flange feet" for ease of installation and stockholding.
- Fasteners covered in hot melt EVA co-polymer to provide enhanced corrosion protection and anti tamper device.
- Profiled 'O' ring body/bonnet joint.
- Suitable for under pressure drilling and tapping operations.
- Suitable for end of line service.
- Integral lifting lugs on all sizes

Options:

- Retrofit clip on indicator reduces stock holding costs because one valve is suitable for above and below ground.
- Pressure point/by-pass bosses cast into the valve as standard, can be drilled and plugged to suit customer requirements.
- Street access down pipe adaptor (see diagram) to provide a cost effective solution for underground installations.
- Also available:
 - False cap
 - Handwheel
 - Handwheel/indicator
 - Also available in cast iron, steel and with factory fitted PE tails.



The designs, materials and specifications shown are subject to change without notice due to our continuing programme of product development.

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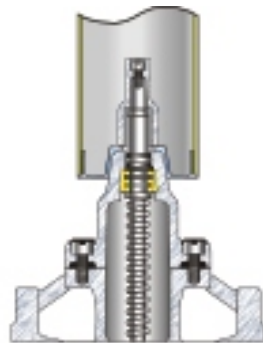
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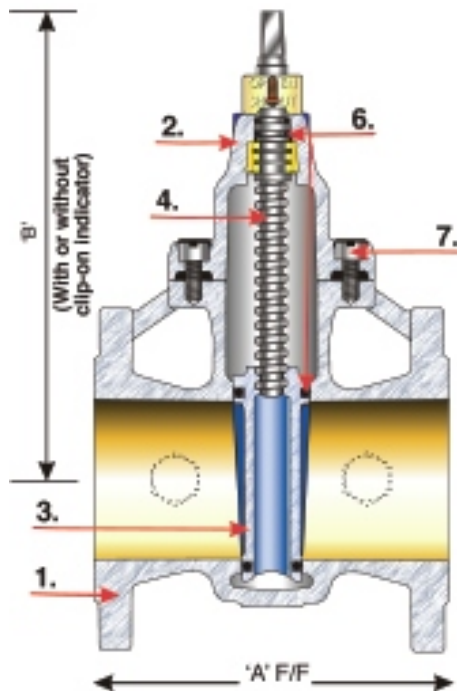
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APPLICABLE STANDARDS

Valves designed to: GIS/V7 Part 1, EN12266, EN13774, EN1171, BS 5150, EN MSS SP-70, BGE/S/V/3.



Valve fitted with
access pipe adaptor.



SERVICE CONDITIONS

Maximum Working Pressure: 7 Bar (100 psig) standard, higher on request
Temperature Range: -10°C to +60°C.
Fluids for Standard Valve: Natural Gas.
Fluids for Optional Valve: Manufactured gas (Viton 'O' rings).

MATERIALS OF CONSTRUCTION

No.	DESCRIPTION	MATERIAL
1	Body	Cast iron. EN 1561-GJL 250.
2	Bonnet	Cast iron. EN 1561-GJL 250.
3	Wedge Gate	Cast iron. EN 1561-GJL 250.
4	Spindle	Standard: Carbon steel. BS 970 GR 220M07. Option: Stainless steel. BS 970 GR316.
5	Pressure relief plug	Carbon steel. BS 970.
6	Body/bonnet, gate and spindle seals	Standard: Nitrile rubber. EN 682. Option: Viton.
7	Fastenings	High tensile steel. BS EN ISO 4762.
	Handwheel	Standard: Cast iron EN 1561 GJL 250.

GENERAL NOTE

It is important, when installing any valve that pipeline stresses are kept to a minimum and no undue external forces are placed on the valve connections. Correct installation procedures should be followed. For details please see Donkin publication IC5445. Standard flanges are PN16, ASA 150 and other standards available. The Series 555 is also manufactured in ductile iron, steel and with P.E. Tails up to 315mm.

DIMENSIONS (mm) & WEIGHTS (MkIII)

Size	A	B	Extra Height with False Cap	Extra Height with Handwheel	Pressure Relief Plug (when fitted)	Plugged boss size (where required)	Approx turns to close	Nett Weight kg
50	178	231	19	20	Rp½	n/a	8½	12.5
80	203	288	19	20	Rp½	Rp½	13½	22
100	229	303	19	20	Rp¾	Rp¾	15½	26
150	267	391	19	20	Rp½	Rp¾	14½	52
200	292	478	19	20	Rp¾	Rp¾	19	82
250	330	617	67	11	Rp¾	Rp¾	25	150
300	356	696	67	11	Rp¾	Rp¾	27	200

Note: At the time of printing this publication some of the product features described here are not applicable to the 50mm (2") valve. For full details of this product see publication number 755598.



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