



DONKIN CAST IRON SOFTSEAL VALVE, PN7

555/300
001

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 manufactured gas.

Standards

- GIS/V7 Part 1, EN 12266, EN 1171, MSS SP-70, BGE/S/V/3

Tests/Approval

- Kitemark approved to GIS/V7 Part 1

Service Conditions

Maximum Working Pressure:	7 Bar (100 psig)
Temperature Range:	-10°C to +60°C
Fluids for Standard Valve:	Natural Gas
Fluids for Optional Valve:	Manufactured Gas (Viton 'O'Rings)

Features:

- Full double block and bleed facility with pressure relieving plug
- Soft seal positive shut off, metal to metal secondary seal
- Maintenance free
- Self supporting "flange feet" for ease of installation and stockholding
- Fasteners fully encapsulated with hot melt
- Profiled 'O' ring body/bonnet joint
- Suitable for under pressure drilling and tapping operations (For stoppling operations use the series 158/04 valve)
- Suitable for end of line service
- Integral lifting lugs on all sizes
- EN1092 PN16 flanges

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 ductile iron, steel and with factory fitted PE tails
- Alternative flange drillings
- Fusion bonded epoxy coating

Important Note:

Please ensure that further corrosion protection is applied to the valve and flanges immediately following installation. Please refer to Donkin installation document IC5445 prior to installation.

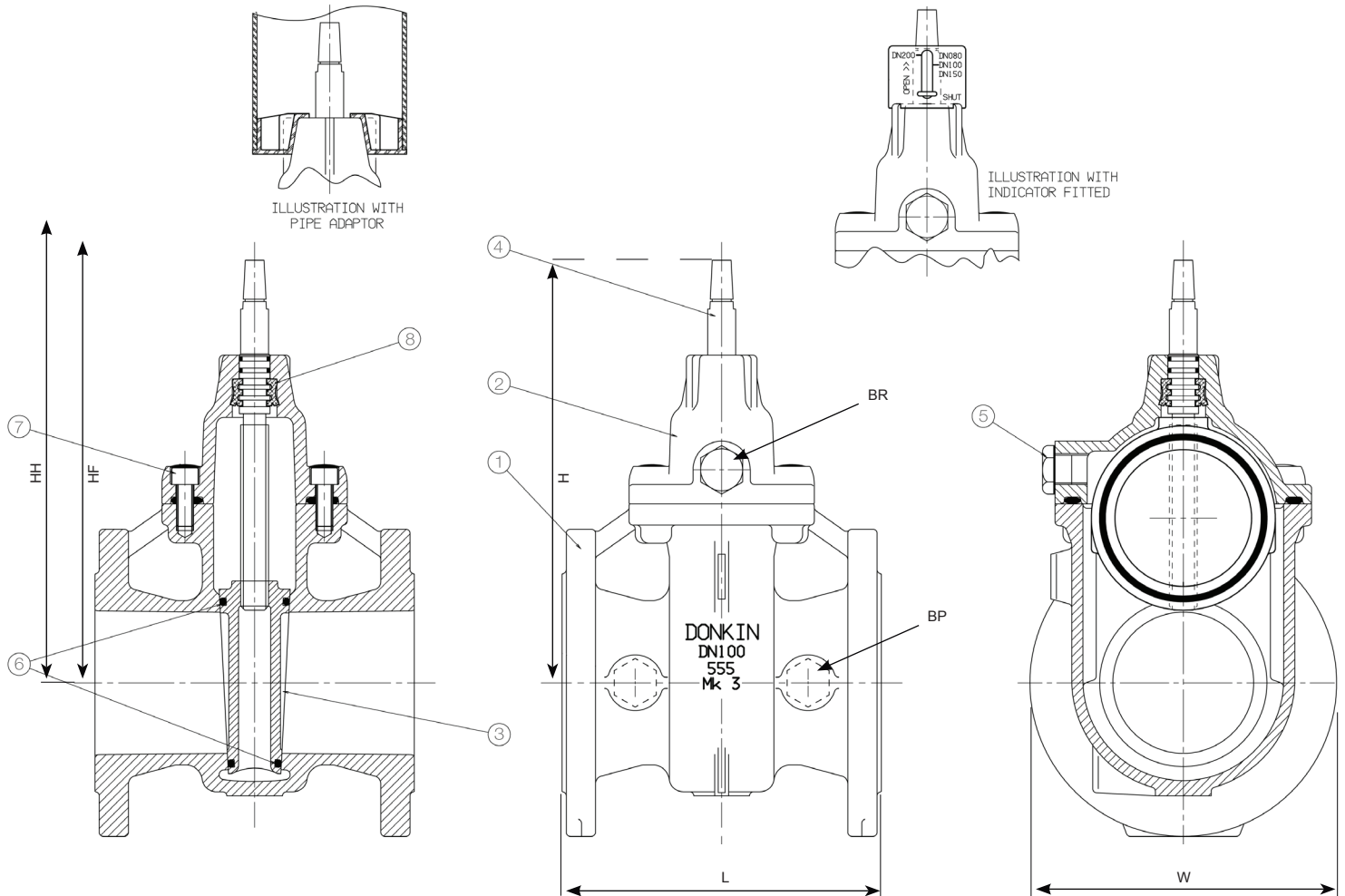
General Note:

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.



GIS/V7-1
KM 518241





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. EN 10087 11SMn30 (ENIA). Option: Stainless Steel. EN 10088 X8CrNiSi8-9 (303S31)
5	Pressure Relief Plug	Carbon Steel. EN 10087 11SMn30 (ENIA)
6	Body/Bonnet, Gate and Spindle Seals	Standard: Nitrile Rubber. EN 682. Type G. Option: Viton
7	Fastenings	Grade 8.8 Steel. FZB. BS EN ISO 4762. Sealed with hot melt.
8	Thrust Collar	Brass BS2872 CZ 132

DIMENSIONS (mm) & WEIGHTS (MkIII)

Size *	L	H	W	HF		BR	BP	Approx Turns to close	Nett Weight kg
				with false cap	with hand wheel				
80	203	288	200	307	308	Rp $\frac{1}{2}$	Rp $\frac{1}{2}$	13 $\frac{1}{2}$	22
100	229	303	220	322	323	Rp $\frac{1}{2}$	Rp $\frac{3}{4}$	15 $\frac{1}{2}$	26
150	267	391	285	410	411	Rp $\frac{3}{4}$	Rp $\frac{3}{4}$	14 $\frac{1}{2}$	52
200	292	478	340	497	498	Rp $\frac{3}{4}$	Rp $\frac{3}{4}$	19	82
250	330	617	405	684	628	Rp $\frac{3}{4}$	Rp $\frac{3}{4}$	25	150
300	356	696	460	763	707	Rp $\frac{3}{4}$	Rp $\frac{3}{4}$	27	200

* Note: For DN50 see 555/200-001

For further details see section "Technical Information".
The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product programme.