



DONKIN STEEL SOFTSEAL VALVE, 555/303 FLANGED

The Series 555S Steel Softseal Valve is a double-faced, resilient seat, internal screw, clear bore wedge gate valve. Designed primarily for the isolation of high pressure natural gas, fitting into steel pipelines.

Features:

- Clear bore.
- Full double block and bleed with pressure relieving plug.
- Double 'O' ring stem seal.
- Soft seal positive shut off.
- Metal to metal secondary seal.
- Maintenance free.
- Suitable for under pressure drilling.
- Suitable for above and below ground use.
- Suitable for end of line service.
- Integral lifting lugs on all sizes.
- Kitemark approved to GIS/V7 Part 1.

Options:

- Also available:
 - False cap.
 - Indicator.
 - Handwheel.
 - Bare shaft end.
- Street access down pipe adaptor to provide a cost effective solution for underground installations.



GIS/V7-1
KM 518241



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

DONKIN STEEL SOFTSEAL VALVE, FLANGED

555/303

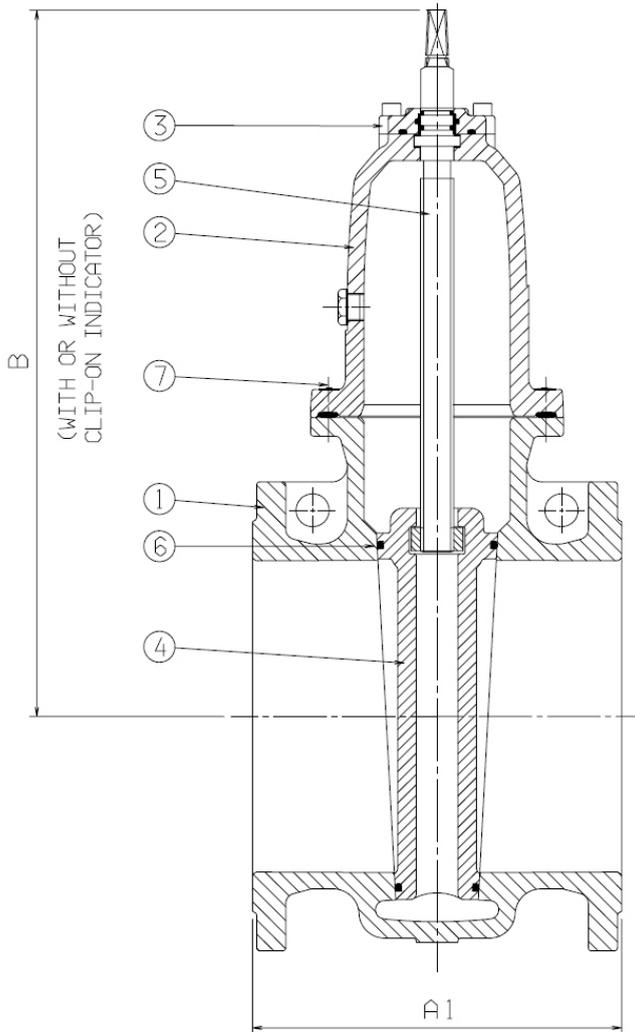
APPLICABLE STANDARDS

GIS/V7 Part 1.

SERVICE CONDITIONS

Maximum Working Pressure: PN16 rated to 16 bar
 ASA Class 150 rated to 275 psig (19 Bar).
 7 Bar Double block and bleed

Temperature Range: -20°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 steel, EN10204 GP240GH
2	Bonnet	Cast steel to EN10204 GP240GH
3	Gland	Cast steel to EN10204 GP240GH, ASTM A216 WCB.
4	Wedge Gate	Ductile iron to EN1563-GJS-450-10
5	Spindle	Standard: Carbon steel to EN10087, 11SMn30/1.0715/230M07/ENIA Option: Stainless steel to EN10088 X8CrNiS8-9/1.4305/ 303S31/ EN58M
6	'O' Ring Seals	Standard: Nitrile rubber. EN 682. Type GBL Option: Viton rubber
7	Fastenings	HTS Gr8.8

GENERAL NOTE

Available with weld end connections.
 Note: The Series 555 is also available manufactured in cast iron, ductile iron and also with PE tails.
 *See other datasheet for Weld-End Valves.

DIMENSIONS & WEIGHTS (METRIC)

Valve Size	PN16 and ASA 150		NETT WEIGHT (kgs)	No of TURNS to CLOSE
	A1 (mm)	B (mm)		
* DN50	178	280	22	9
DN80	203	285	23	14
DN100	229	300	34	15
DN150	269	396	58	14.5
DN200	292	480	87	19.5
DN250	330	607	152	24
DN300	356	697	300	28

* please refer to 555/103



AVK UK Limited

Northampton Office
 8 Rushmills, Northampton,
 NN 4 7YB England, UK.
 Tel.: +44 (0) 1604 601188
 Fax.: +44 (0) 1604 604818

Chesterfield Office
 Colliery Close, Ireland Ind. Est., Staveley,
 Chesterfield, S43 3FH England, UK.
 Tel.: +44 (0) 1246 479100
 Fax.: +44 (0) 1246 479200

www.avkuk.co.uk