



DONKIN SERIES 555S STEEL GATE VALVE, PUR COATED

555/103-002

Flanged Ends, PN7/PN16

The large diameter 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 and comes with the new Donkin PUR coating system which allows the valve to be buried without further protection.

The Donkin 555 softseal gas valves are manufactured with the tried and trusted Donkin metallic wedge used for over 50 years on the gas networks. A true wedge design, the gate seals on both machined faces with an embedded nitrile seal in each face which sit completely outside the flow of gas with the valve open.

- The design gives effective and long term sealing on closure and the closing torques remain relatively low over the valve's design life.
- The low closing / breaking torque means operators don't risk over exertion / injury. Can be easily closed by a single person with standard equipment.
- Negates the need for manual handling risk assessment.

Product description:

Flanged Gate Valve to GIS/V7:Part 1. Maximum Working Pressure for DN50 - 16 bar (PN16 flange), 19 bar (ASA 150 flange). For DN400 - 600 - 7 Bar (100 PSGI). Temperature Range: -20°C to +60°C

Standards:

- GIS/V7 Part 1
- Face-to-face dimension according to EN 558, basic series 3
- Flange drilling to EN1092, PN16
- Coated according to EN10290 Class B and GIS/CW6.

Test/Approvals:

- Tested according to EN 12266-1
- Approved according to Kitemark™ GIS/V7-1, certificate KM 518241
- UKCA / CE marked according to Pressure Equipment Directive

Features:

- High integrity coating for buried service. Maintenance free.
- Soft seal, positive shut off
- Full double block and bleed with pressure relieving plug
- Clear bore for under pressure drilling operations
- Metal to metal secondary seal
- "Flange feet" to aid installation and stockholding
- No lubrication required. Double 'O' Ring stem seal
- Lifting lugs on all sizes
- Embodied Carbon Data available upon request
 - **Options:**
 - Pressure point/by-pass bosses cast into the valve as standard. These can be drilled and plugged at our factory if required
 - Alternative flange drilling, Gear box, Electric/pneumatic actuation

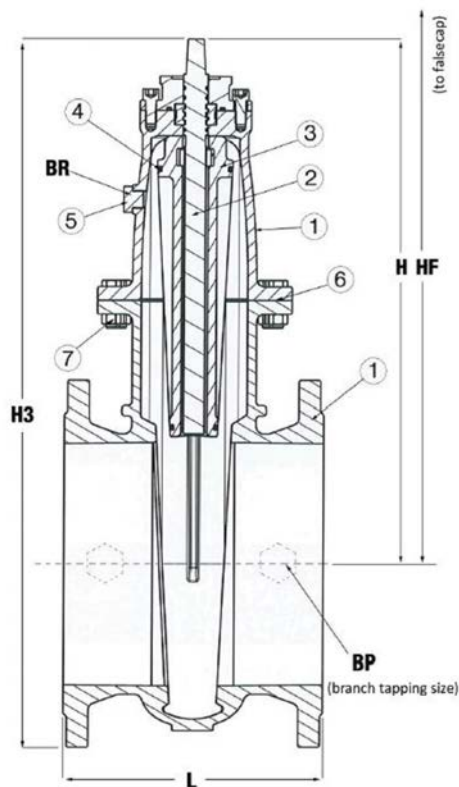
Accessories:

False cap, handwheel, door position indicator.



Expect... **AVR**

The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.



Component list:

1. Body and bonnet	Cast steel GP240GH A216	5. Pressure relief plug	Stainless steel 1.4305 (AISI 303)
2. Stem	Stainless steel	6. Bonnet gasket	CNAF
3. Gate	Cast iron GJL-250 (GG-25)	7. Fasteners	Stainless steel A2-70
4. Seal	NBR rubber		

Components may be substituted with equivalent or higher class materials without prior notification.

Reference nos. and dimensions:

Reference no.	DN mm	H3 mm	H mm	HF mm	BR DN	L mm	Turns to open	Theoretical weight/kg
555-050-00-01333040	50	371	280	289	RP0.5	178	9	23
555-400-00-01333340	400	1235	867	925	RP0.75	406	36	378
555-450-00-01333340	450	1337	949	1012	RP0.75	432	40	461
555-450-00-01333352	450	1300	975	1267	RP0.75	432	40	466
555-600-00-01333340	600	1682	1191	1254	RP0.75	508	52	925
555-600-00-01333352	600	1645	1217	1184	RP0.75	508	52	935

DN450 (555-450-00-01333352) & DN600 (555-600-00-01333352), are fitted with a gearbox as standard. Total turns to open is relative to the gearbox ratio (e.g. if a 2:1 gearbox is fitted to a DN600 valve, total turns to open will be 2 x 52 = 104 turns).