



## DONKIN SOFTSEAL, STEEL GATE VALVES, PUR COATED

555/303-002

### Flanged Ends, St St Spindle. GIS/V7-1

The Series 555 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. Manufactured with the new Donkin PUR corrosion protection system, enabling burial without need for wrapping of the valve body. To ensure full long term protection, flanges and bolts should be wrapped in line with industry guidelines. Manufactured and approved to specification GIS/V7:Part 1

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: 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.

#### Design standards:

- GIS/V7 Part 1
- Face-to-face dimension according to EN 558 Table 3 Basic Series 3
- Flange drilling to EN1092, PN16

#### Test/Approvals:

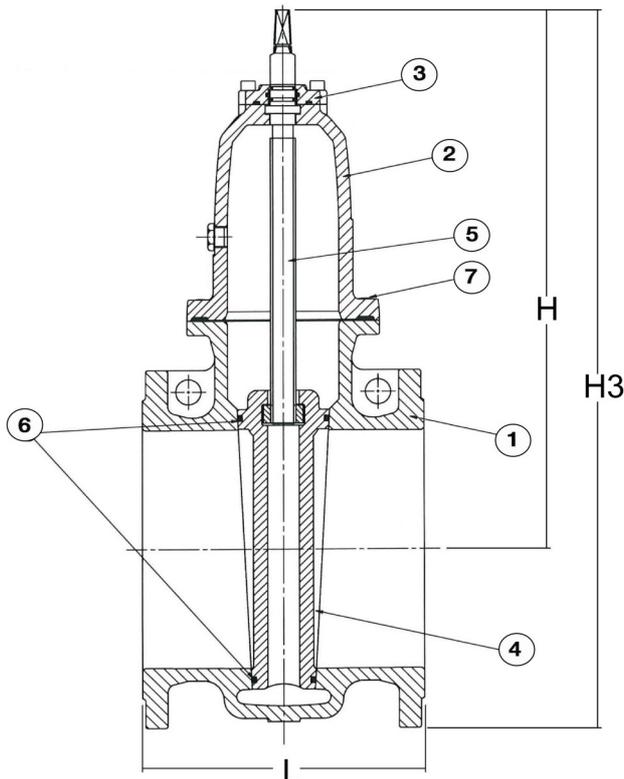
- CE marked according to Pressure Equipment Directive
- Approved according to Kitemark™ GIS/V7-1, certificate KM 518241
- UKCA marked according to Pressure Equipment Regulations

#### Features:

- High integrity coating for buried service with 20 year Warranty
- Full double block and bleed facility with pressure relieving plug
- Soft seal positive shut off, metal to metal secondary seal
- Maintenance free and fitted integral lifting lugs on all sizes
- Self supporting "flange feet" for ease of installation and stockholding
- Profiled 'O' ring body/bonnet joint
- Suitable for under pressure drilling and tapping operations
- Suitable for end of line service
- DN50mm available - refer to 555/103-002
- Embodied carbon data available upon request.
- Options:-
  - Pressure point/by-pass bosses cast into the valve as standard, can be drilled and plugged to suit customer requirements. Alternative flange drillings and weld end connections. Viton 'O' rings.



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	Cast steel GP240GH+N	5. Spindle	Stainless steel
2. Bonnet	Cast steel GP240GH+N	6. Seals	NBR rubber
3. Gland	Cast steel GP240GH+N	7. Fastenings	Steel gr. 8.8
4. Wedge	Ductile iron GJS-450-10		

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

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	H mm	H3 mm	L mm	Turns to open	Theoretical weight/kg
555-080-03-01333040	80	304	404	203	14	23
555-100-03-01333040	100	319	434	229	15	34
555-150-03-01333040	150	415	558	267	14.5	58
555-200-03-01333040	200	499	671	292	19.5	87
555-250-03-01333040	250	657	860	330	24	152
555-300-03-01333040	300	747	1192	356	28	300

**Comments:**

**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 cast iron, ductile iron and with P.E. Tails up to 315mm.