



FIRESAFE SOFTSEAL GATE VALVE

DUCTILE IRON, FLANGED PN16



The Series 555/401 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. These valves are tested and approved as resistant to high temperatures and can be installed inside occupied buildings, remaining leak-tight in the event of fire.

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.

PRODUCT DESCRIPTION

Ductile iron PN16 flanged gas gate valve designed for pressure of 7 bar MOP, temperature -10 °C to + 60 °C. Kitemarked to GIS/V7-1

DESIGN STANDARDS

- GIS/V7 Part 1 Including resistance to thermal loading to BS EN 1775 Annex A Procedure A
- Face-to-face dimension according to EN 558 Table 2 Basic Series 3
- Flange drilling to EN1092, PN16

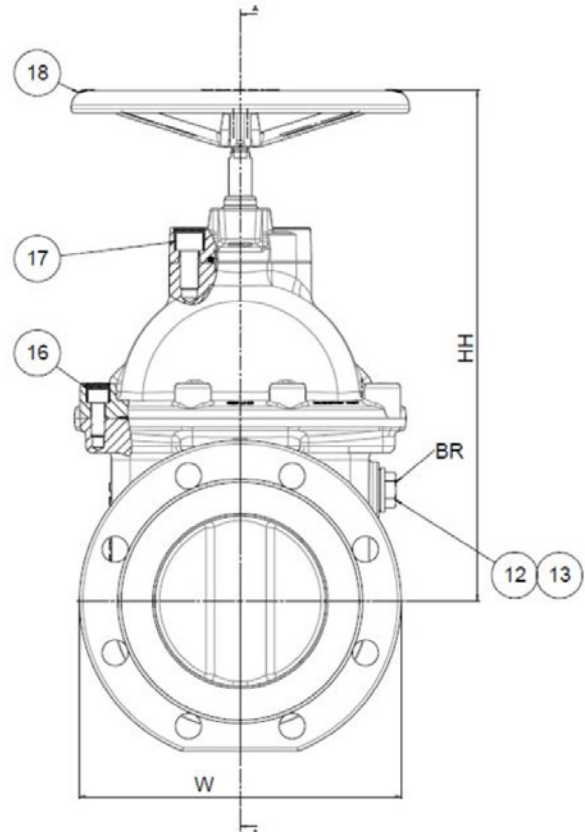
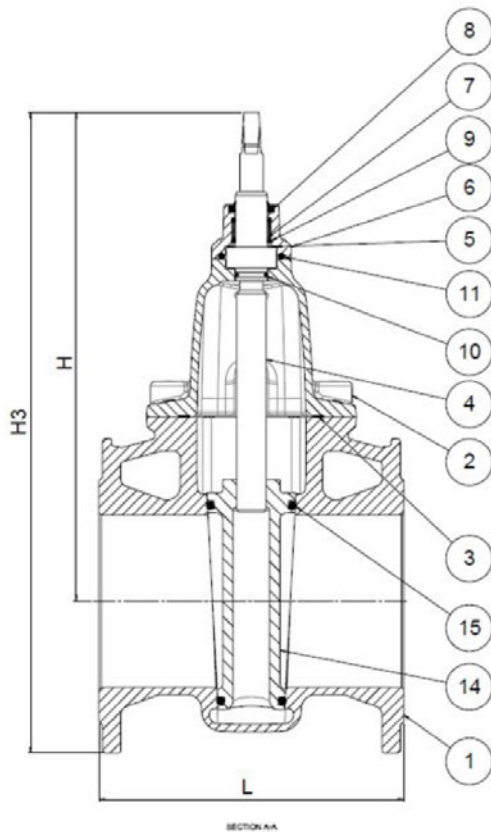
TEST/APPROVALS

- Tested according to EN 12266-1
- CE marked according to Pressure Equipment Directive
- Approved according to KITE MARK GIS/V7-1
- Made in Great Britain
- UKCA marked according to Pressure Equipment Regulations

FEATURES

- Full double block and bleed facility with pressure relieving plug
- Optimized design for fire hazard environments
- 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 and sealed with hot melt.
- Graphite body/bonnet joint with metal to metal secondary seal.
- Suitable for under pressure drilling and tapping operations.
- Suitable for end of line service.
- Integral lifting lugs on valves 20kg+.
- Flanged PN16.
- Embodied carbon data available upon request.
- Stem seal replaceable under pressure.
- Optional handwheel, anti - tamper handwheel, and position indicator.





COMPONENT LIST

1. Body	Ductile Iron	10. Seal	NBR rubber
2. Bonnet	Ductile Iron	11. Seal	NBR rubber
3. Gasket	SS 316 (1.4401) and graphite	12. Pressure release plug	Carbon steel
4. Spindle	Stainless steel	13. Seal	NBR rubber
5. Thrust washer	Brass	14. Wedge	Cast iron
6. Gland	Ductile Iron	15. Seal	NBR rubber
7. Bush	PA 6.6	16. Set screw	Steel
8. Wiper ring	NBR rubber	17. Set screw	Steel
9. Seal	NBR rubber	18. Handwheel	Cast iron

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

REFERENCE NOS. AND DIMENSIONS

AVK ref. no.	DN mm	BR DN	H3 mm	HH mm	L mm	W mm	Turns to open	Theoretical weight/kg
555-050-34-011503	50	Rp 1/2	325	275	178	165	9	13
555-080-34-011503	80	Rp 1/2	408	334	203	200	12.5	21
555-100-34-011503	100	Rp 1/2	445	356	229	220	15.5	26
555-150-34-011503	150	Rp 3/4	561	452	267	285	14.5	46

