



## AVK DONKIN SOFTSEAL GATE VALVE

555/401-001

### Flanged ASA150

The Mark 4 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. Suitable for blended hydrogen\*.

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:

Ductile iron flanged gas gate valve designed in accordance with GIS/V7-1. Temperature -10°C to +60°C. MOP 10bar (7bar with Kitemark)

#### Design standards:

- GIS/V7 Part 1
- Face-to-face dimension according to EN 558 Table 2 Basic Series 3
- Flange drilling to ANSI B 16.42, class 150

#### Test/Approvals:

- Tested according to EN 12266-1
- CE marked according to Pressure Equipment Directive
- Made in Great Britain
- UKCA marked according to Pressure Equipment Regulations
- Approved according to Kitemark™ GIS/V7-1 (and PP1547 for hydrogen approved variants), KM 518241

#### 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. Integral lifting lugs on valves 20kg+.
- Fasteners fully encapsulated and sealed with hot melt.
- Profiled 'O' ring body/bonnet joint.
- Suitable for under pressure drilling and tapping operations. Suitable for end of line service.
- Flanged ASA150.
- Stainless steel spindle (standard)
- Twin pack black epoxy coating minimum 75 microns.
- Embodied carbon data available upon request.
- 25mm stem fitted as standard. Stem seal replaceable under pressure.
- **Option:** >98% hydrogen\* ready variants available (555/405)

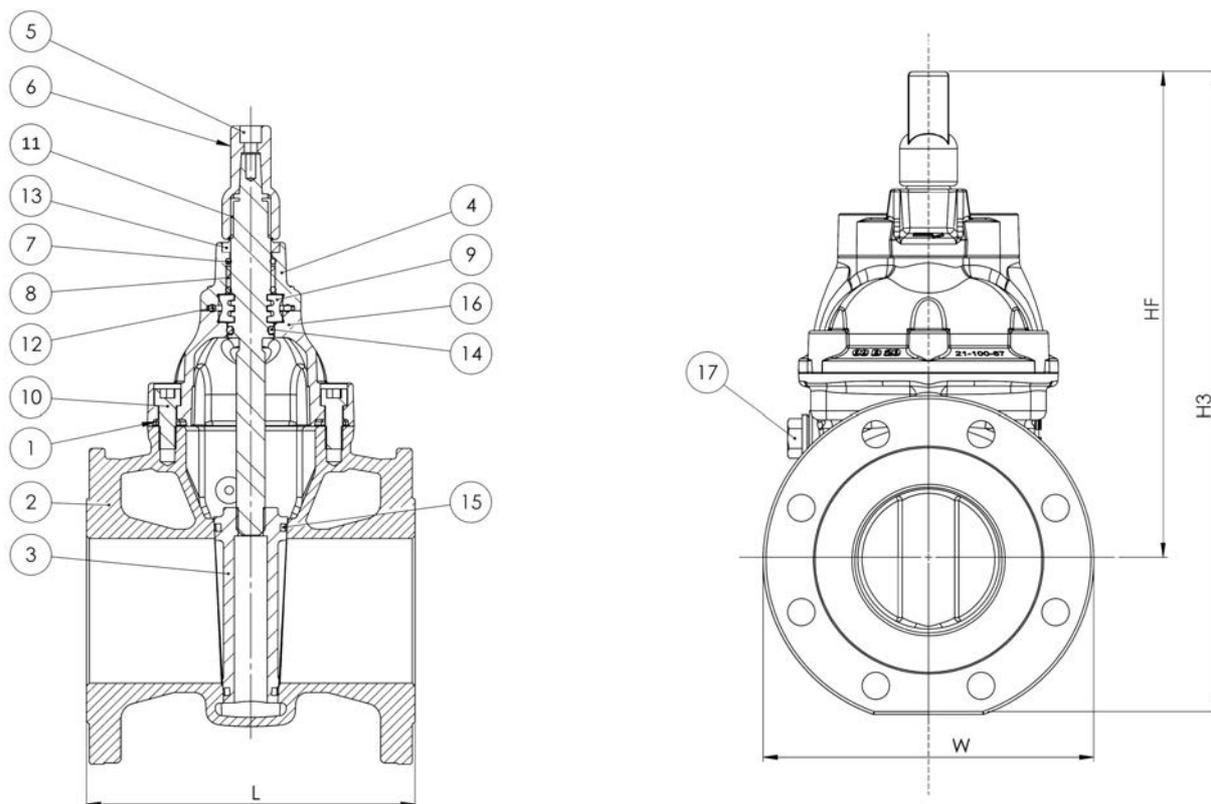
#### Accessories:

Handwheel option. AVK Assist - a free App to record valve installation and GPS location.



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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-bonnet seal	NBR rubber	10. Set screw	Carbon steel
2. Body	Ductile Iron	11. Spindle	Stainless steel AISI 420
3. Wedge	Cast iron	12. Seal	NBR rubber
4. Gland	Ductile Iron	13. Wiper ring	NBR rubber
5. Screw	Carbon steel	14. Seal	NBR rubber
6. Cap	Cast iron	15. Seal	NBR rubber
7. Seal	NBR rubber	16. Bonnet	Ductile iron GJS-500-7
8. Bush	Polyamide	17. Pressure release plug	Carbon steel
9. Thrust collar	Brass		

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	HF mm	L mm	W mm	Turns to open	Theoretical weight/kg
555-050-14-04130041	50	Rp1/2	329	262	178	152	9	12
555-080-14-04130041	80	Rp1/2	409	319	203	190	12.5	21
555-100-14-04130041	100	Rp1/2	449	341	229	229	15.5	26
555-150-14-04130041	150	Rp3/4	564	431	267	279	14.5	45
555-200-14-04130041	200	Rp3/4	680	518	292	343	20	69
555-250-14-04130041	250	Rp3/4	880	683	330	442	24	127
555-300-14-04130041	300	Rp3/4	996	766	356	483	28	165