

Hawle E2 System 2000 Valve

Resilient seated gate valve with sockets for PE (PE 80/100) and series 1 PVC pipes – total restraint



TECHNICAL GUIDE: **AVH1.2**

Applications

Civil Infrastructure

Watermain

Product Attributes

Resilient seated gate valve with smooth straight-through bore

PN16 fully restrained socket connection for PE

Approvals/Standards

WSAA Appraised

Quality 9001 manufactured

Quality

ISO 9001:2008 Quality Management Standard

The Hawle System 2000 E2 resilient seated gate valve is a high quality water valve designed for a long service life.

The wear resistant guides and wedge allow easy operation and a long life, while the 'O' ring system allows maintenance under pressure. The flange and System 2000 socket allow connections between flanged applications and PE pipes without needing further parts.

Product Attributes

- 100% suitable for underground installation.
- Anti-Clockwise closing as standard.
- Smooth straight-through bore allows for easy cleaning with a pig.
- Duplex stainless-steel spindle.
- Ductile Iron wedge is fully vulcanised for use in potable water.
- Spindle supported by POM friction washers for minimum closing forces.
- Can be easily opened or closed without a by-pass valve or power assistance, even at a differential of 16 bar.
- O-rings are replaceable under pressure (according to ISO 7259).
- Designed for easy fitment of actuators and other accessories.
- Supplied with Spindle Cap as standard.
- Hawle 10 Year "Quality Warranty" when in use on potable water applications.
- Flanged end to AS4087 Fig. B5

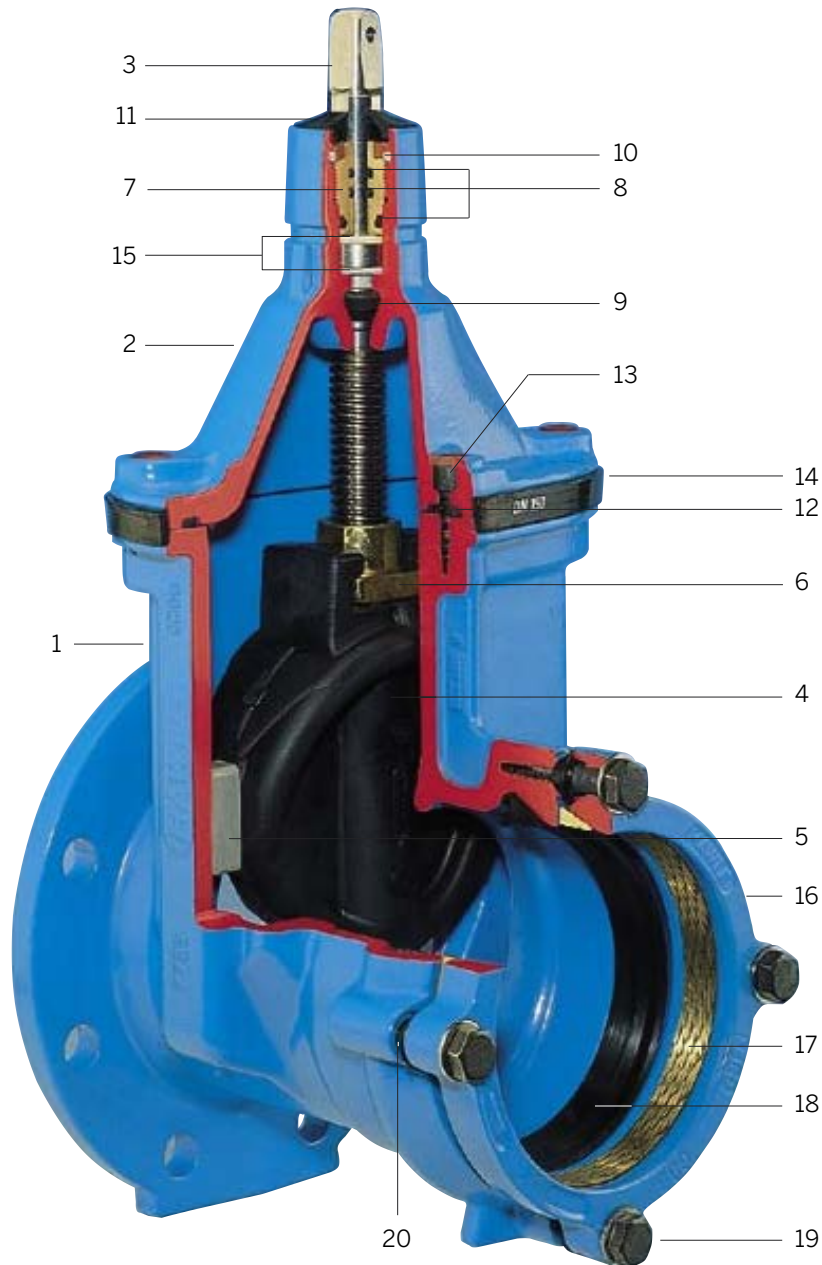
Materials

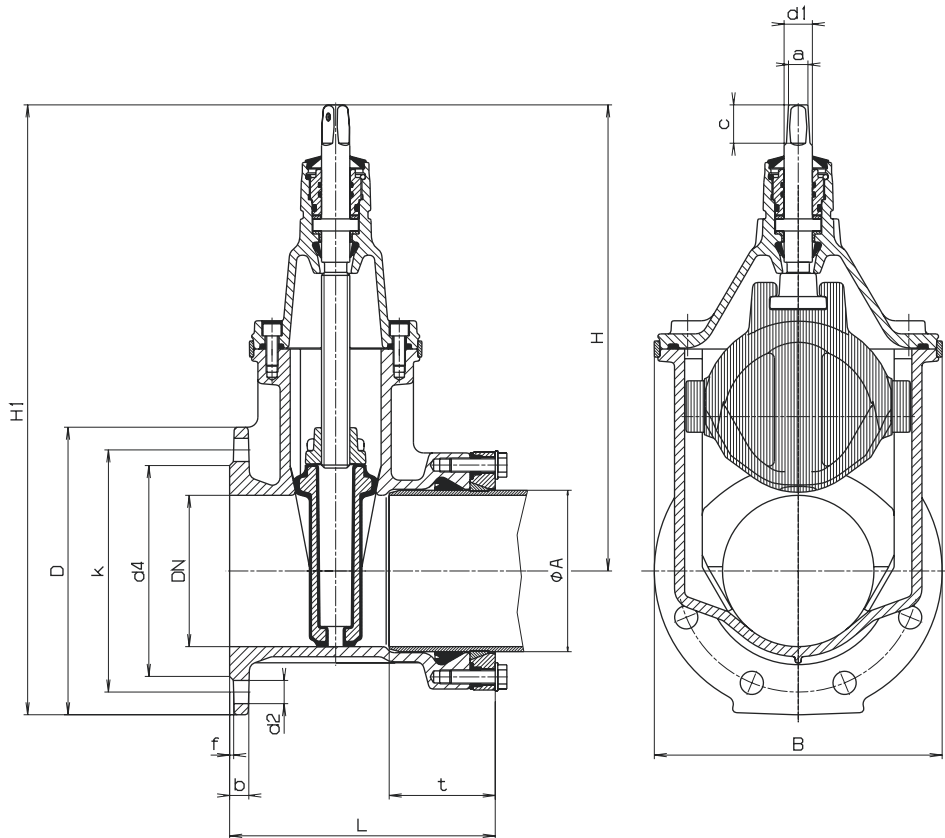
1. **Body (1) bonnet (2) and lock ring (16)** - Ductile iron EN-GJS-400-18 according to EN 1563 (GGG 400 - DIN 1693) inside and outside epoxy powder coated according to DIN 30677-T2 in accordance with DIN 3476 and all quality and test requirements of RAL quality mark 662 (GSK - Gütegemeinschaft Schwerer Korrosionsschutz - the association for high quality corrosion protection)
2. **Stainless steel spindle** St 1.4021 (X20Cr13), with rolled thread and 'O' ring slide faces
3. **Wedge** - Ductile iron EN-GJS-400-18 according to EN 1563 (GGG 400 - DIN 1693), inside and outside fully rubberised with vulcanised elastomer, suitable for potable water, with drain hole
4. **Wedge guide** - Wear resistant plastic with high gliding features; optimally placed design guarantees lowest wear and tear and lowest closing torques
5. **Wedge nut** - Dezincification resistant brass CuZn36Pb3As, generous oversizing of the required thread length in the wedge nut guarantees highest possible breaking torques
6. **'O' ring bush** - MS 58
7. **'O' rings** - Elastomer, embedded in non-corrosive material (according to DIN 3547-T1) and replaceable under pressure up to DN 200 (according to ISO 7259), DN 250 and higher without pressure
8. **Back seal** - Elastomer, suitable for potable water
9. **Circlip** - POM
10. **Wiper ring** - Elastomer
11. **Bonnet gasket** - Elastomer, suitable for potable water
12. **Allen screws** St 8.8 DIN 912 absolutely corrosion protected by being sunk into the body and sealed, and by passing through bonnet gasket
13. **Edge protecting ring** - PE avoids damages during transport and storage
14. **Friction washers** - POM guarantee smooth spindle guiding
15. **Grip ring** - MS 58 (from DN 300 Rg 7)
16. **Lip seal** - Elastomer, suitable for potable water
17. **Bolts and washers** - A2 (stainless steel)
18. **Spacer bushes** - PE

System 2000 and Flanged E2 Gate Valve



- WRAS Appraised
- AS2638 Approved





Item Code	DN (mm)	ØA	Flange					Bolts			Valve					Spindle			Weight (kg)
			D (mm)	b (mm)	k	d4	f	Qty.	Thread	d2	t	H	H1	L	B	a	c	d1	
VSFS2K100-C	100	110	215	20	178	154	3	4	M16	18	88	373	483	221	213	19.3	38	25	22
VSFS2K150-C	150	160	280	23	235	211	3	8	M16	18	108	462	605	263	285	19.3	38	28	40



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+61 7 38059186
hygradewater.com.au

BRISBANE (Head Office) 42-44 Blue Eagle Drive, Meadowbrook, QLD 4131
SYDNEY 2/35 Prime Dr, Seven Hills NSW 2147, Australia
MELBOURNE 20A Frances Drive, Dandenong South 3175

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