

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

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

Design Specifications

- Easiest retrofitting of position indicator and automatic actuator on the standard bonnet possible
- One extension spindle for several dimensions
- Optimally placed wedge guide of wear resistant plastic guarantees lowest wear and tear and lowest closing torques, suitable for frequent operations at a differential pressure up to 16 bar
- 100 % suitable for operation by automatic actuators
- Generous oversizing of the required thread length in the wedge nut guarantees highest possible breaking torques
- O rings embedded in non-corrosive material (according to DIN 3547-T1)
- Replaceable O rings
 - Up to DN 200 under pressure (according ISO 7259)
 - From DN 250 without pressure
- Cleaning with pig possible

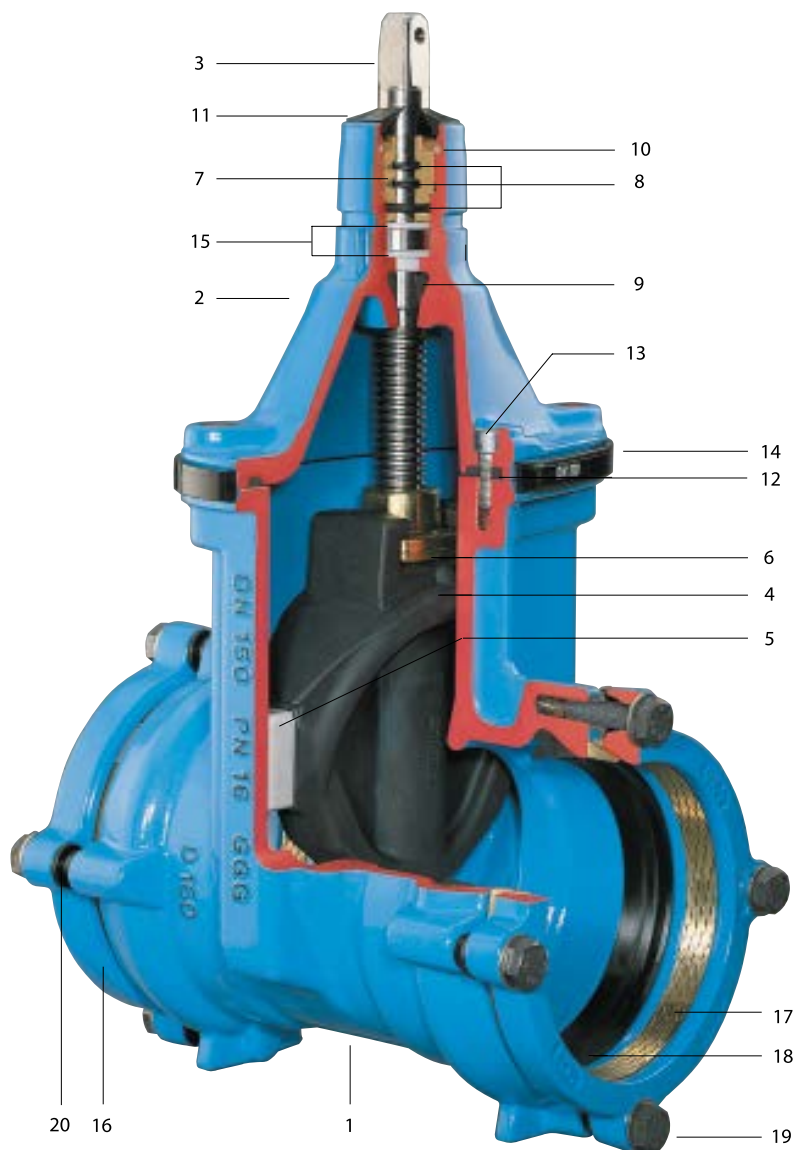
The pipe is sealed with a lip seal.

Minimal pipe insertion force is required for pushing the pipe end into the seal chamfer with an appropriate chamfer. The pipe restraining system is effective separately from the sealing system and is activated by tightening the lock ring. For thinwalled PE pipes (up to 3 mm wall thickness) and low internal pressure we recommend using a support liner (see page D 2/4).



Suitable accessories

- Handwheel: No. 7800
- Extension Spindles: rigid No. 9000E2, from DN 250 No. 9000 telescopic No. 9500E2, from DN 250 No. 9500E and 9000E2
- Surface Boxes: rigid No. 1750, telescopic No. 2050, No. 2051K



1 / 2 / 16 Body (1) bonnet (2) and lock ring (16) of ductile iron. Epoxy coated inside and outside

3. Stainless steel spindle St 1.4021 (X20Cr13), with rolled thread and O ring slide faces

4. Wedge of ductile iron, outside fully rubberized with vulcanized elastomer, suitable for potable water, with drain hole

5. Wedge guide of wear resistant plastic with high gliding features; optimally placed design guarantees lowest wear and tear and lowest closing torques

6. Wedge nut of dezincification resistant brass, generous oversizing of the required thread length in the wedge nut guarantees highest possible breaking torques

7. O ring bush of brass

8. O rings of elastomer, embedded in non-corrosive material, and replaceable under pressure up to DN 200, for DN 250 and higher without pressure

9. Back seal of elastomer, suitable for potable water

10. Circlip of POM

11. Wiper ring of elastomer

12. Bonnet gasket of elastomer, suitable for potable water

13. Allen screws of steel, absolutely corrosion protected by being sunk into the body and sealed, and by passing through bonnet gasket

14. Edge protecting ring of PE avoids damages during transport and storage

15. Friction washers of POM guarantee smooth spindle guiding

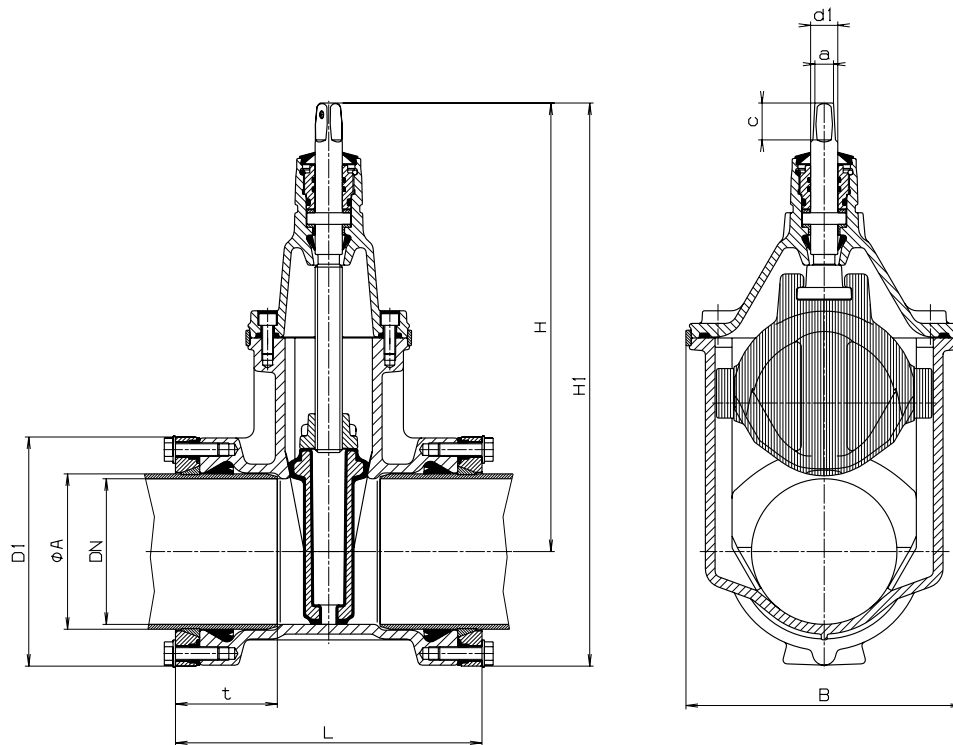
16. Grip ring – Brass

17. Lip seal of elastomer, suitable for potable water

18. Bolts and washers of A4 (stainless steel)

19. ttvSpacer bushes of PE

Order No	PN	50	65	80	100	100	125	125	150	150	200	200	250	250	300
		63	75	90	110	125	125	140	160	180	200	225	250	280	315
4040EE2	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•



Valve							Spindle				Weight kg
DN	Pipe Ø mm	D1	t	H	H1	L	B	a	c	d1	
50	63	124	83	260	322	226	143	14,8	30	22	8,1
65	75	138	85	328	397	240	180	17,3	35	25	14,3
80	90	152	88	336	412	242	180	17,3	35	25	13,8
100	110	174	88	373	460	252	213	19,3	38	25	18,3
	125	195	88	373	470	260	213	19,3	38	25	19,0
125	125	195	90	450	547	280	285	19,3	38	28	32,0
	140	212	96	450	556	278	285	19,3	38	28	33,0
150	160	236	108	462	580	316	285	19,3	38	28	34,0
	180	258	118	462	591	342	285	19,3	38	28	36,0
200	200	284	128	563	705	366	357	24,3	48	32	65,0
	225	314	130	563	720	366	357	24,3	48	32	69,0
250	250	347	147	670	844	400	432	27,3	48	34	103,0
	280	376	150	670	858	420	432	27,3	48	34	110,0
300	315	422	176	753	964	472	518	27,3	48	34	168,0
300	355	470	237	753	988	687	518	27,3	48	34	218,6



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