Order no.	PN	Dimensions/DN Pipe Ø mm													
		50 63	65 75	80 90	100 110	100 125	125 125	125 140	150 160	150 180	200 200	200 225	250 250	250 280	300 315
4040E2	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Resilient seated gate valve with sockets for PE (PE 80/100) and PVC pipes (DIN 8074, 8061 / 8062) - total restraint

Material and design features:

1/2/16 **Body (1) bonnet (2) and lock ring (16)** of 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)

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

4 **Wedge** of ductile iron EN-GJS-400-18 according to EN 1563 (GGG 400 - DIN 1693), inside and 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 CuZn36Pb3As, generous oversizing of the required thread length in the wedge nut guarantees highest possible breaking torques

7 **O ring bush** of Ms 58

8 **O rings** of elastomer, embedded in non-corrosive material (according to DIN 3547-T1) and replaceable under pressure up to DN 200 (according to ISO 7259), 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** St 8.8 DIN 912 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

17 **Grip ring** of Ms 58 (from DN 300 Rg 7)

18 **Lip seal** of elastomer, suitable for potable water

19 **Bolts and washers** of A2 (stainless steel)

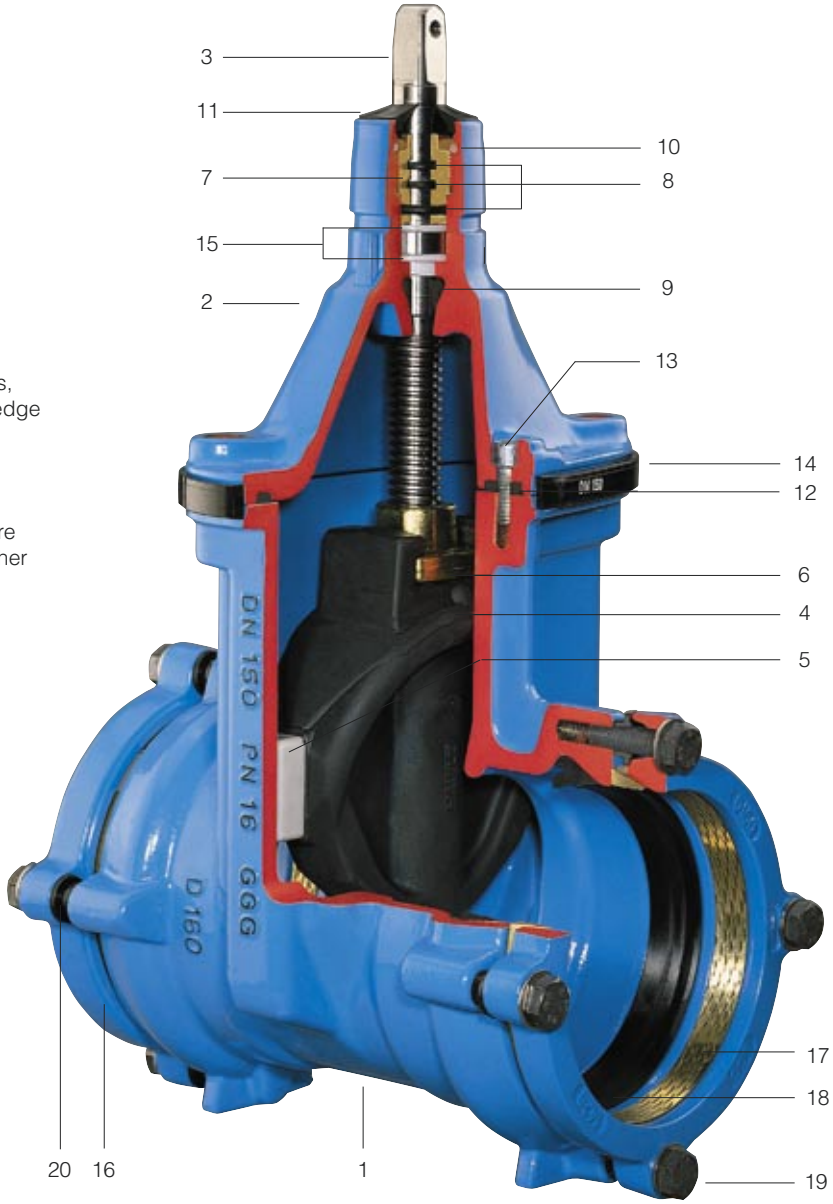
20 **Spacer bushes** of PE

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).



Assembly instructions: see page M 6/2

Tensile load: see page M 6/2

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E2 Valve SYSTEM 2000

Standard version: without handwheel and extension spindle

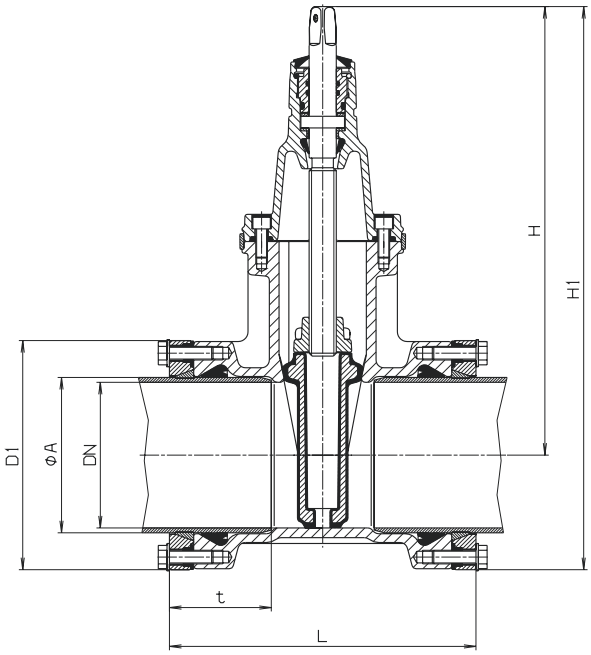
Special versions: **on request**

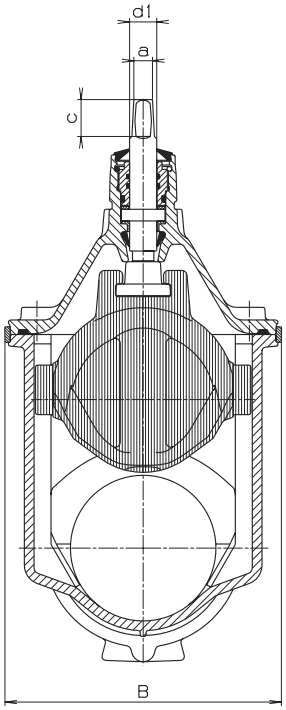
Suitable accessories:

Handwheel: No. 7800

Extension Spindles: rigid No. 9000***E2***, from DN 250 No. 9000
telescopic No. 9500***E2***, from DN 250 No. 9500

Surface Boxes: rigid No. 1750, telescopic No. 2050





Design features:

- 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

DN	Pipe Ø mm	Valve						Spindle			Weight kg
		D1	t	H	H 1	L	B	a	c	d 1	
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