

for GAS according to EN 437

The prescribed pressure test for gas valves will be attested by certificate in accordance with DIN 50049 (EN 10204) - 3.1.B.

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
4045 <b>E2</b>	10	●	●	●	●	●	●	●	●	●	●	●	●	●	●

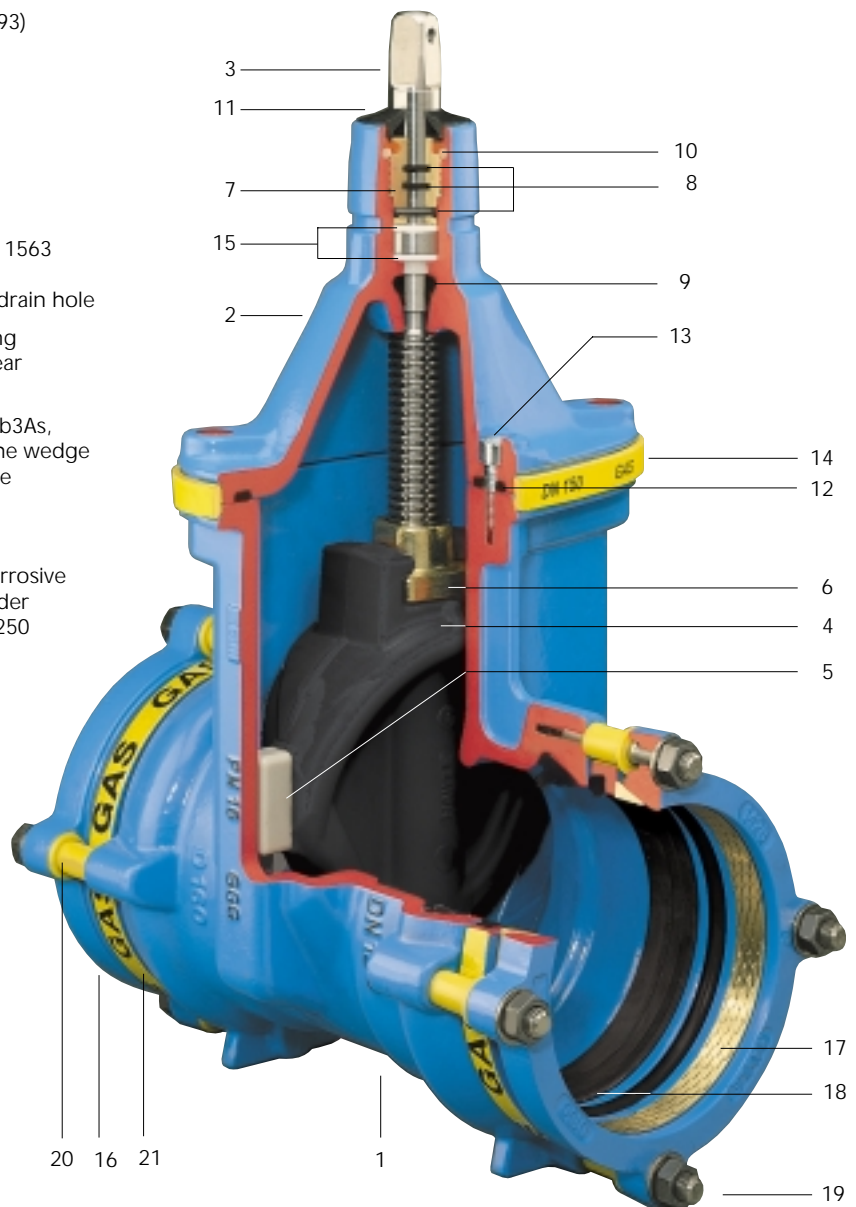
**Resilient seated gate valve with sockets for PE pipes (DIN 8075)**  
- total restraint

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.  
**Use a support liner !** see page D 3/1

**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** 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 - DIN 3535, 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 according to prEN 1171 guarantees highest possible breaking torques
- 7 **O ring bush** of Ms 58
- 8 **O rings** of elastomer - DIN 3535, 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 - DIN 3535
- 10 **Circlip** of POM
- 11 **Wiper ring** of elastomer
- 12 **Bonnet gasket** of elastomer - DIN 3535
- 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 - DIN 3535
- 19 **Bolts and washers** of A2 (stainless steel)
- 20 **Spacer bushes** of PE
- 21 **Additional seal ring** (see 1) O ring of elastomer - DIN 3535



**Assembly instructions:** see page J 1/1  
**Tensile load:** see page J 1/2

# E2 Valve SYSTEM 2000

**Standard version:** without handwheel and extension spindle

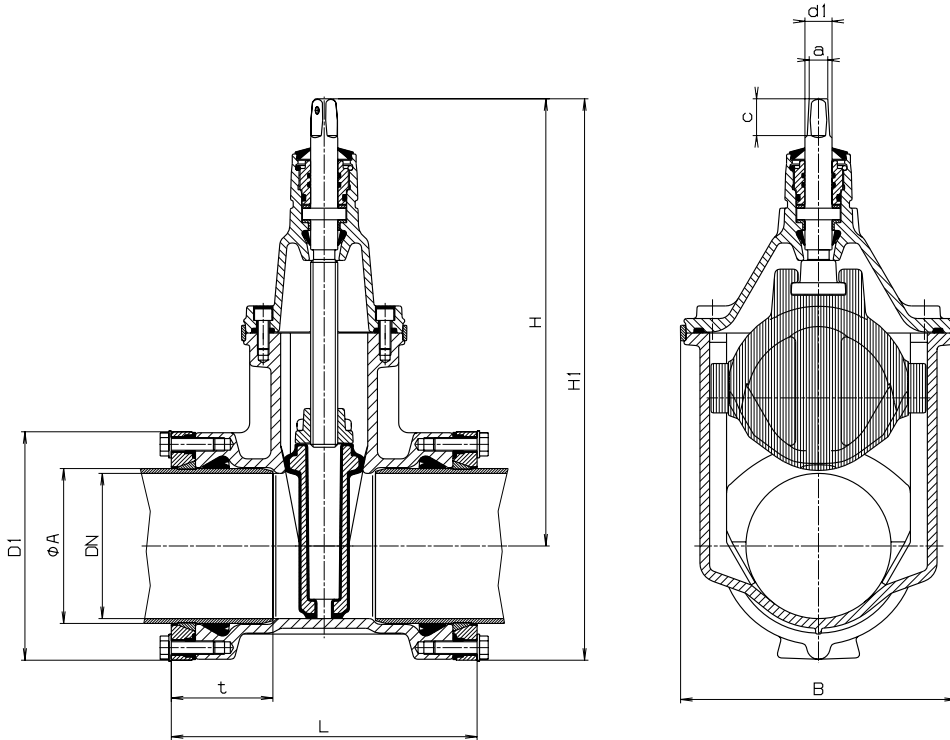
**Special versions:** on request

**Suitable accessories:**

- Handwheel:** No. 7800
- Extension Spindles:** rigid No. 9000E2, from DN 250 No. 9000  
telescopic Nr. 9500E2, from DN 250 No. 9500
- Surface Boxes:** rigid No. 1755, telescopic No. 2055

## 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 according to prEN 1171 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



DN	Pipe Ø mm	Valve						Spindle			Weight kg
		D 1	t	H	H 1	L	B	a	c	d 1	
50	63	124	95	260	322	250	143	14,8	30	22	8,5
65	75	138	98	328	397	266	180	17,3	35	25	15,0
80	90	152	101	336	412	268	180	17,3	35	25	14,5
100	110	174	100	373	460	276	213	19,3	38	25	19,0
100	125	195	105	373	470	290	213	19,3	38	25	20,0
125	125	195	105	450	547	310	285	19,3	38	28	33,0
125	140	212	110	450	556	308	285	19,3	38	28	34,0
150	160	236	125	462	580	350	285	19,3	38	28	35,0
150	180	258	135	462	591	376	285	19,3	38	28	37,5
200	200	284	145	563	705	400	357	24,3	48	32	67,0
200	225	314	150	563	720	406	357	24,3	48	32	71,5
250	250	347	167	670	844	440	432	27,3	48	34	107,0
250	280	376	170	670	858	460	432	27,3	48	34	114,0
300	315	422	198	753	964	516	518	27,3	48	34	172,0