

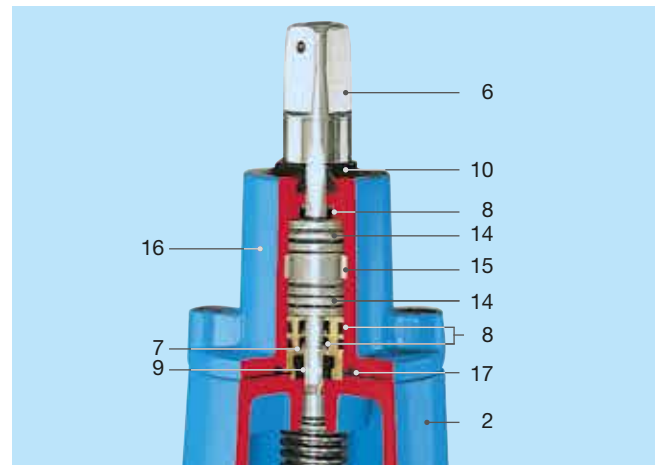
E2 Gate valve

Overview

Design features

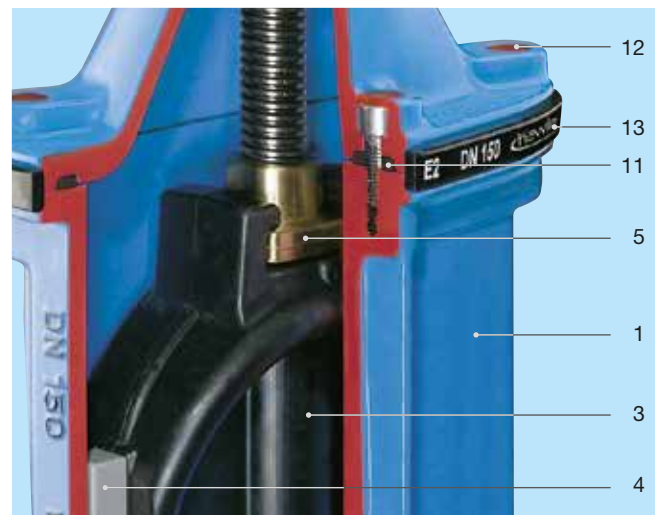
- Resilient seated gate valve according to EN 1171, EN 1074-1 and EN 1074-2 with smooth straight-through bore
- Flange valve
- Wedge guide with high glide characteristics; load-optimised design guarantees lowest wear and minimum closing torques
- Wedge nut allows high torque load through large dimensioning of the required thread length
- O-rings, lip seals mounted in rust-proof material on all sides, can be replaced in depressurised state
- Edge protection protects during transport and storage
- Roller bearings guarantee low friction mounting of the spindle
- 100% suitable for underground installation

DN 450 – 600 Spindle bearing on ball bearing



Material | Technical features

- 1, 2, Body (1), bonnet (2), centering flange (16)
- 16 made of ductile iron, epoxy powder coated inside and out (see page 5)
- 3 Wedge made of ductile iron, inside and out with vulcanized elastomer
- 4 Wedge guide made of wear-resistant plastic
- 5 Wedge nut made of dezincification-resistant brass
- 6 Duplex stainless steel spindle with rolled thread and flat-rolled sealed sliding surface
- 7 O-ring bush made of brass
- 8 O-rings, lip seals made of elastomer
- 9 Back seal made of elastomer
- 10 Wiper ring made of elastomer
- 11 Bonnet gasket made of elastomer
- 12 Allen screws encased into the body with an enclosing gasket and wax, ensuring full corrosion protection
- 13 Edge protection made of PE
- 14 Ball bearing permanently lubricated
- 15 Centering ring made of POM
- 17 Centering flange gasket made of elastomer



E2 Gate valve

With flange DN 450 – 600, PN 10 | PN 16

Design features

- Resilient seated gate valve with smooth straight-through bore
- Flanges sized in accordance with EN 1092-2, drilled according to
EN 1092-2 | PN 10 standard 4000E2, 4700E2;
EN 1092-2 | PN 16 4000E2, 4700E2

Please specify on order - other standards on request

- Suitable for cleaning with a cleaning pig
- Suitable for operation by automatic actuators
- O-rings replaceable without pressure
- Ball bearings in the spindle seating minimizes closing forces
- Easy to actuate without bypass and without power boost - even for 16 bar differential pressure
- For the assembling of a position indicator it is necessary to remove the centering flange and mount the adapter for position indicator

Standard version: without handwheel and extension spindle

Design versions: for actuator: No. 4000ELE2
with position indicator: No. 4000STE2
for seawater: No. 4002E2,
No. 4702E2

Special versions: on request
- Bevel gearing
- for DN 500/DN 600 - version with bypass (DN 50) available
- Ventilation and exhausting;
small amounts of air in the bonnet

Suitable accessories: see page A 11/2

Handwheel: No. 7800
Extension spindles: rigid No. 9000E2/E3
telescopic No. 9500E2/E3
Surface boxes: rigid No. 1750
telescopic No. 2050
No. 2051K
Valve actuator: No. 9920
Adapter for actuator (E2 adapter): No. 8630E2/E3
Base plate: No. 3481, No. 3482
Operating cap: No. 2156, No. 2157
Extension spindle: No. 7820, No. 7825
Bolts: No. 8810, No. 8830, No. 8840
HAWAK-pillar: No. 9894, No. 9895
Flat gasket: No. 3390, No. 3470

No. 4000E2
No. 4700E2



Order no.	Version	MOP (PN)	Dimensions/DN			
			450*	500*	500	600
4000E2	short EN 558 GR 14	16				
4700E2	long EN 558 GR 15	16				

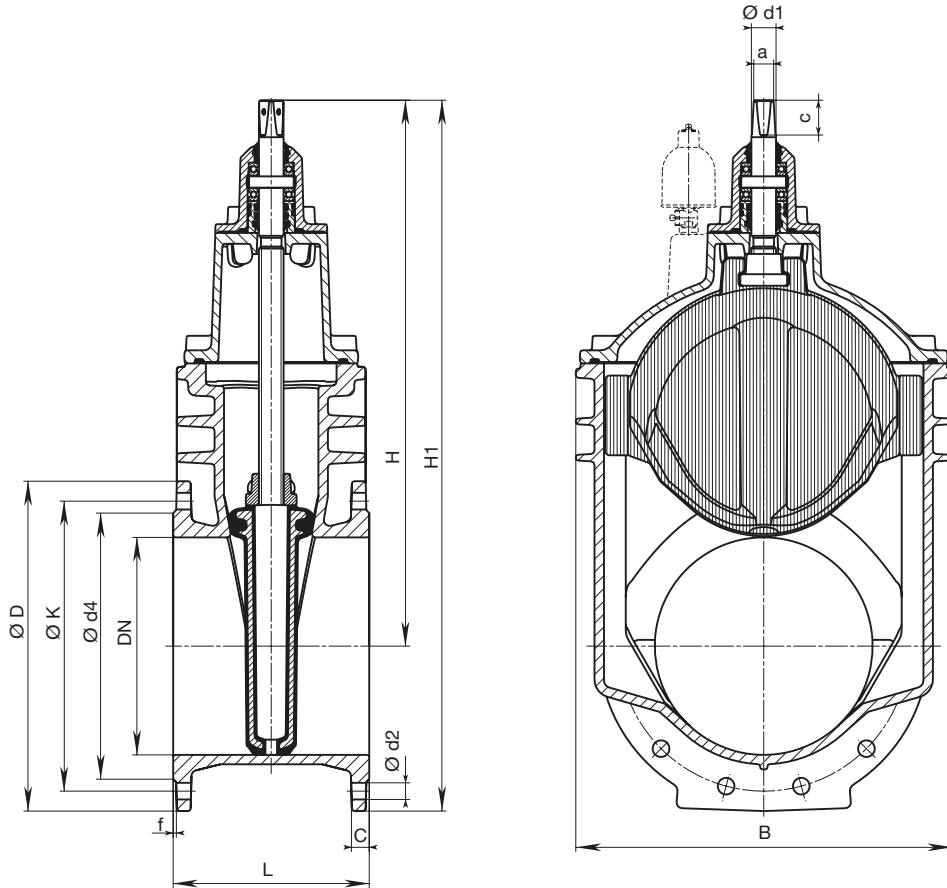
* Body: DN 400 - flange connection: DN 450 or 500

E2 Gate valve

With flange DN 450 – 600, PN 10 | PN 16

No. 4000E2

No. 4700E2



DN	MOP (PN)	Flange					Bolts			Spindle			Valve				Weight		
		Ø D	C	Ø K	Ø d4	f	Qty.	Thread	Ø d2	a	c	Ø d1	H	H1	L short	L long	B	short	long
450*	10	640	30	565	530	4	20	M 24	28	32,3	55	44	974	1310		650	687		332,0
	16			585				M 27	31										
500*	10	715	31,5	620	582	4	20	M 24	28	32,3	55	44	974	1345		700	687		371,0
	16			650				M 30	34										
500	10	715	31,5	620	582	4	20	M 24	28	36,3	66	50	1220	1578	350	700	800	488,0	542,0
	16			650				M 30	34										
600	10	840	36	725	720	5	20	M 27	31	36,3	66	50	1377	1797	390	800	944	720,0	789,0
	16			770				M 33	37										

* Body: DN 400 - flange connection: DN 450 or 500