

E3 Gate valve | Combi valves



Overview

Design features

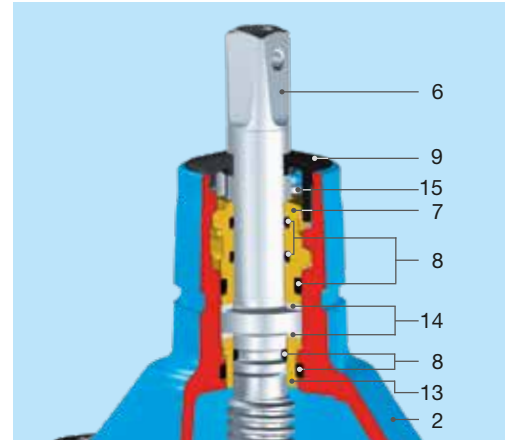
- Resilient seated gate valve according to EN 1171, EN 1074-1 and EN 1074-2 with smooth, straight-through bore
- Double bayonet O-ring carrier is connecting the spindle to the bonnet, allowing a fully encased, uniform epoxy powder coated bonnet for further improved corrosion protection
- Wedge guide made of wear resistant POM material in load optimized design minimizes attrition and ensures lowest torque actuation
- Wedge is flexible and fully linked in vulcanized elastomer to the wedge nut. This snug fit dampens vibration during opening and closing of the wedge
- Wedge nut has a long thread length allowing significantly higher torques than the standard before breaking
- O-rings, lip-seals mounted in the bonnet are replaceable under operating pressure
- Extended edge protection to avoid damages during transport, storage and assembly
- Sliding disks and ball bearing assure low friction performance of the spindle
- 100% suitable for buried installations

Material | Technical features

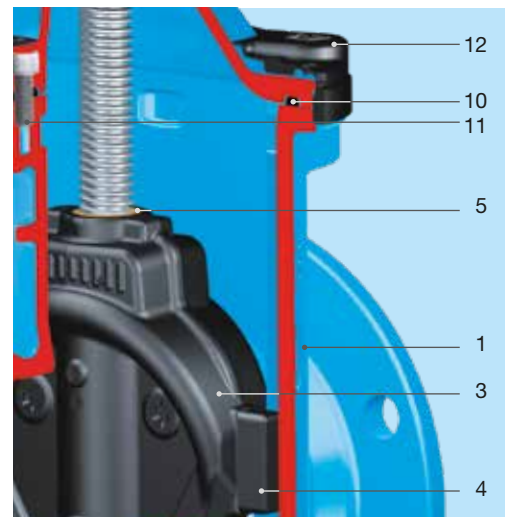
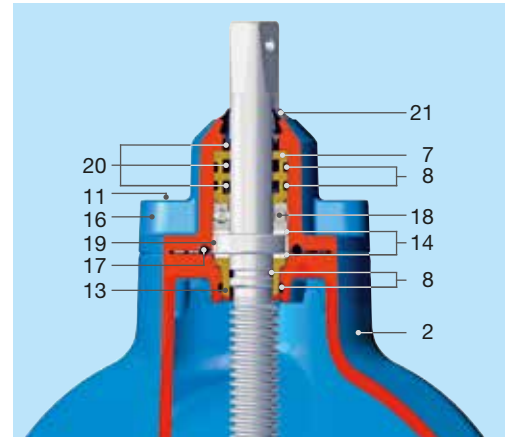
- 1,2 Body (1), bonnet (2), centering flange (16) made of ductile iron, epoxy powder coated inside and out
- 3 Wedge made of ductile iron (DN 50 made of dezincification-resistant brass) with vulcanized elastomer all-over
- 4 Wedge guide made of wear-resistant plastic
- 5 Wedge nut made of dezincification-resistant brass
- 6 Duplex stainless steel spindle with rolled thread and flat-rolled anti-friction surface
- 7 O-ring carrier made of brass, DN 50 – 200 with double bayonet
- 8 O-rings made of elastomer
- 9 Wiper ring made of PE
- 10 Bonnet gasket made of elastomer
- 11 Allen screws made of stainless steel, encased into the body with interlacing gasket and sealing compounds, ensuring full corrosion protection
- 12 Extended edge protection made of PE
- 13 Spindle bearing made of dezincification resistant brass
- 14 Sliding disks made of POM
- 15 Safety screw made of stainless steel
- 17 Centering flange gasket made of elastomer
- 18 Axial ball bearing permanently lubricated
- 19 Centering ring made of POM
- 20 Lip seals made of elastomer
- 21 Wiper ring made of elastomer

DN 50 – 200

Spindle bearing with sliding disks



DN 250 – 400 Spindle bearing with ball bearing and additional sliding disks



DN 500 – 600 in preparation - currently available - see page A 11/3

E3 VRS-socket valve

For cast iron pipes and pipes with VRS-socket,
DN 80 – 300, PN 16

Design features

- Resilient seated gate valve with one-sided VRS-socket and one-sided VRS-spigot
- With VRS grip ring and VRS pipe restraint clamp (not included), a pipe connection can be made restraint
- Suitable for cleaning with a cleaning pig
- One extension spindle for several dimensions
- Suitable for operation by automatic actuators
- Easy retrofitting of position indicator and automatic actuators on the standard bonnet
- Duplex stainless steel spindle

No. 4027E3

Standard version: without handwheel and extension spindle



Material | technical features

- 1 **Socket sealing** made of elastomer
- 2 **Pipe restraint clamp** (not included)

Suitable accessories

Suitable accessories: see page A 2/2

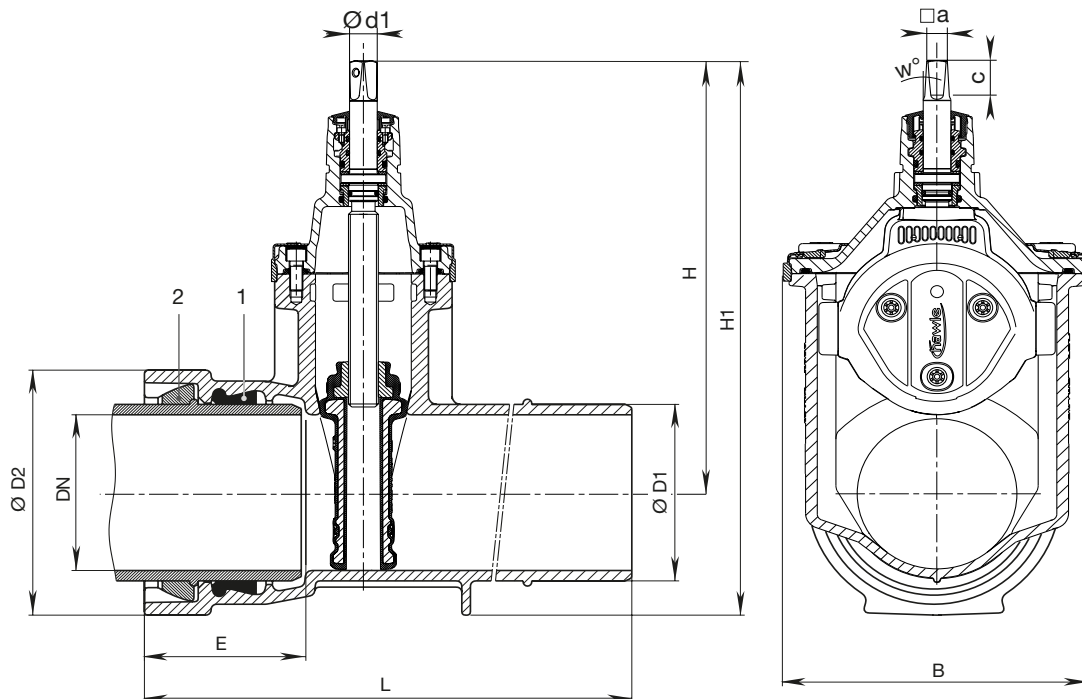
Handwheel:		No. 7800
Extension spindles:	rigid	No. 9000E2/E3
	telescopic	No. 9500E2/E3
Surface boxes:	rigid	No. 1750
	telescopic	No. 2050, No. 2051K
Valve actuator:		No. 9920
Adapter for actuator (E2/E3 adapter):		No. 8630E2/E3
Base plate:		No. 3481, No. 3482
Operating cap:		No. 2156, No. 2157
Extension spindle:		No. 7820, No. 7825
Position indicator:		No. 2170E2/E3
HAWAK-pillar:		No. 9894, No. 9895

Order no.	Version	MOP (PN)	Dimensions/DN						
			80	100	125	150	200	250	300
4027E3	Socket-Spigot	16							

E3 VRS-socket valve

For cast iron pipes and pipes with VRS-socket,
DN 80 – 300, PN 16

No. 4027E3



DN	Ø Pipe	MOP (PN)	Valve							Spindle				Weight
			Ø D1	Ø D2	E	H	H1	L	B	□ a	c	w°	Ø d1	
80	98	16	98	156	127	313	391	422	180	17,3	33,8	3°	24	20,5
100	118		118	178	135	343	432	440	213	19,3	37,2		24	24,5
125	144		144	208	143	421	525	494	285	19,3	34,9		24	37,5
150	170		170	235	150	433	551	513	285	19,3	34,9		26	44,5
200	222		222	295	160	541	689	535	357	24,3	47,3		30	72,0
250	274		274	356	165	649	827	577	432	27,3	48		36	114,0
300	326		326	414	170	731	938	638	518	27,3	48		36	168,5