E3 Gate valve | Combi valves

Overview

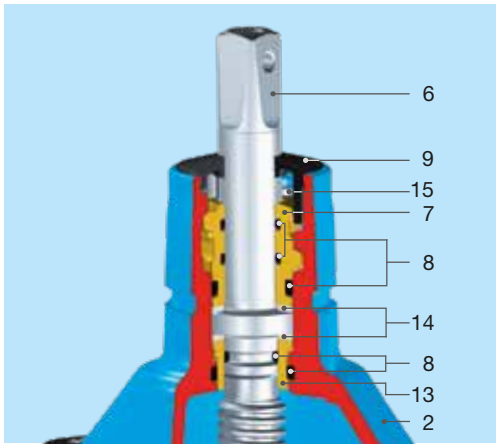
Design features

- 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

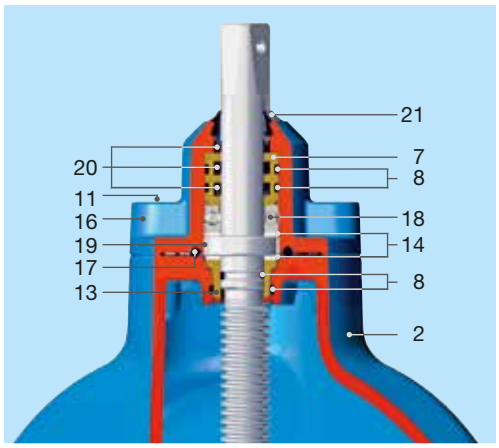
Material | Technical features

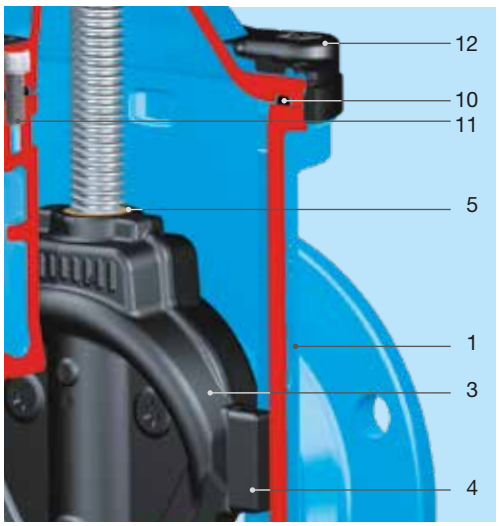
1,2 Body (1), bonnet (2), centering flange (16) made of ductile iron,
16 epoxy powder coated inside and out
3 Wedge made of ductile iron (DN 50 made of dezincification-resistant brass) with vulcanized elastomer all-over
4 Wedge guide made of wear-resistant plastic
5 Wedge nut made of dezincification-resistant 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 Valve spigot ends
PN 16

Design features

- Resilient seated gate valve with smooth straight-through bore
- The Hawle E3 spigot valve with smooth spigot ends is a universal type, suitable for both flange as well as for socket connections
- Easy replacement of old flange valve to insertion of HAWLE-flange, as insertion of flat gaskets is not required; special lengths can even be produced through shortening of the spigot ends
- The outside diameters of the spigot ends correspond to that of the cast iron pipes (other size on request)
- 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

Standard version: without flanges, handwheel and extension spindle

Suitable accessories

Suitable accessories: see page A 2/2

Flange:		No. 7102
		No. 0102
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	
Bolts:	No. 8810, No. 8830, No. 8840	
HAWAK-pillar:	No. 9894, No. 9895	

No. 4100E3

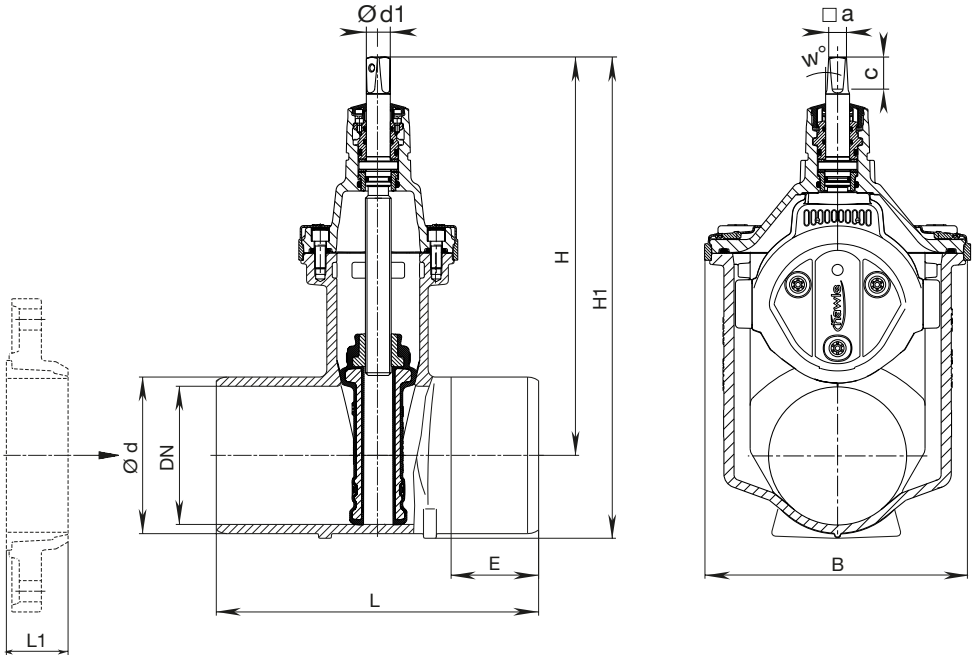
No. 4140E3

Order no.	Version Face-to-face length	MOP (PN)	Dimensions/DN									
			50	65	80	100	125	150	200	250	300	400
4100E3	Standard	16	■	■	■	■	■	■	■	■	■	*
4140E3	600 mm				■	■		■	■			
	810 mm									■		
	860 mm										■	

*in preparation

E3 Valve spigot ends
PN 16

No. 4100E3
No. 4140E3



For a shorter face-to-face dimension, shorten the spigot ends[1] and assemble with Hawle flanges No. 7102 / No. 0102
(see water catalogue chapter „Flange connections")

Caution: Compare flange length „L 1" with spigot length „E"
[1] Protect cutting surfaces against corrosion with Hawle repair material No. 3442 (see water catalogue page P 5/2)

DN	MOP (PN)	Valve						Spindle				Weight
		Ø d*	L	E	H	H1	B	□ a	c	w°	Ø d1	
50	16	66	250	80	234	270	143	14,8	29,2	3°	20,5	8,0
65		82	270	85	305	350	180	17,3	33,8		24	12,0
80		98	280	85	313	366,5	180	17,3	33,8		24	13,5
			600	245								19,5
100		118	300	90	343	408	213	19,3	37,2		24	18,0
			600	240								24,0
125		144	325	95	421	498	285	19,3	34,9		26	28,5
150		170	350	95	433		285	19,3	34,9		26	33,0
			600	220		523						40,0
200		222	400	115	541	657	357	24,3	47,3		30	55,0
			600	215								64,0
250		274	450	120	649	792	432	27,3	48		34	91,0
			810	300								112,5
300		326	500	120	731	897	518	27,3	48		34	139,0
			860	300								177,0
400*		429	600	133	925	1149	687	32,3	55		44	267,0

*in preparation

*Other outside diameters on request