

E3 gate valve, spigot ends | PN 16



Standards

- Resilient seated gate valve according to EN 1171, EN 1074-1 and EN 1074-2 with smooth, straight-through bore

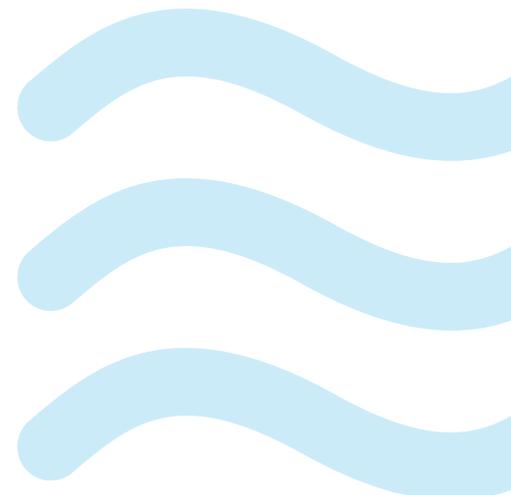
Construction features

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)

Hawle E3:

- 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
- Spindel made of Duplex stainless steel
- 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
- Suitable for cleaning with a cleaning pig
- One extension spindle for several dimensions
- Suitable for operation by automatic actuators
- Easy refitting for position indicator and automatic actuators on the standard bonnet (DN 50 to DN 200)
- To set-up an actuator or a position indicator, remove the centering flange and insert position indicator or actuator with adapter (DN 250 bis DN 600)



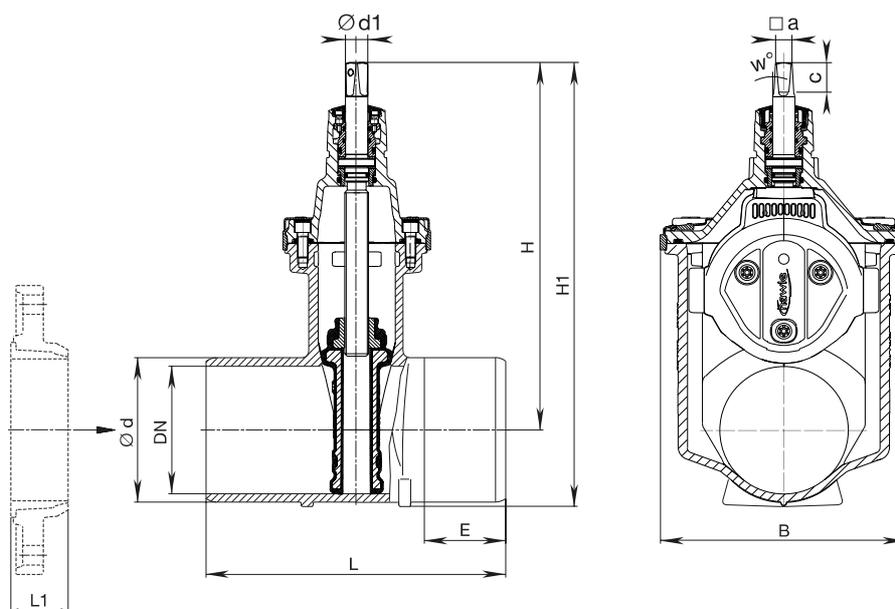
Nr. 4100E3

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Materials

Body bonnet centering flange	<ul style="list-style-type: none"> • Ductile iron: EN-GJS-400-15 according to EN 1563 • Epoxy powder coated inside and outside: According to EN 14901 and DIN 3476-1 in due consideration of the RAL-GZ 662 quality and testing requirements: <ul style="list-style-type: none"> - coating thickness: min. 250 µm - zero porosity: min. 3000 V spark test - adhesion: min. 16 N/mm²
Wedge	<ul style="list-style-type: none"> • Ductile iron: EN-GJS-400-15 according to EN 1563 • DN 50: made of brass CuZn21Si3P with vulcanized elastomer all-over according to EN 681-1 • Wedge nut of non-ferrous metal flexible and fully linked to the wedge by vibration damping vulcanized elastomer
Wedge guide Sliding discs Centering ring	<p>POM</p>
	<ul style="list-style-type: none"> • Brass: CuZn21Si3P • Wedge nut thread length > 1,2 x spindle diameter.
Spindle	<ul style="list-style-type: none"> • Duplex stainless-steel spindle with rolled thread and flat-rolled anti-friction surface • non-rising spindle made of Duplex stainless steel 1.4162 (PREN value ~ 26) • spindle polished in the area of the O-ring sealing
O-ring carrier	<ul style="list-style-type: none"> • Brass CuZn40Pb2 • with double bayonet connection (DN 50 - DN 200)
O-rings bonnet gasket centering flange gasket lip seals wiper ring	<p>EPDM elastomer acc. to EN 681-1</p>
Covering cap Edge protection ring	<p>PE (Polyethylen)</p>

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DN	PN	Weight	H	H1	L	B	E	Ød	Spindle			
									a	c	w°	Ød1
DN50/D66	PN16	7	234	270	250	143	80	66	14,8	29,2	3°	20,5
DN65/D82	PN16	12	305	350	270	180	85	82	17,3	33,8	3°	24
DN80/D98	PN16	13.5	313	366,5	280	180	85	98	17,3	33,8	3°	24
DN100/D118	PN16	18	3	408	300	213	90	118	19,3	37,2	3°	24
DN125/D144	PN16	28.4	421	498	325	285	95	144	19,3	34,9	3°	26
DN150/D170	PN16	32.6	433	498	350	285	95	170	19,3	34,9	3°	26
DN200/D222	PN16	55.4	541	657	400	357	115	222	24,3	47,3	3°	30
DN250/D274	PN16	92.2	649	792	450	432	120	274	27,3	48	3°	34
DN300/D326	PN16	139	731	897	500	518	120	326	27,3	48	3°	34
DN400/D429	PN16	0	925	1149	600	687	133	429	32,3	55	3°	44

All illustrations, technical data, dimensions (in mm) and weights (all weights specified in kg) are non-binding. Subject to changes and printing errors