

Nr. 3130

## Angle service valve with ISO outlet

made of ductile iron, with ISO outlet for PE pipes



### Standards

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

#### ISO-socket:

- For PE-pipes according to EN 12201 and DIN 8074 | to PN 16; up to 30° C medium temperature, also for vacuum (with support liner)
- restraint acc. to DIN 8076 T1/T3
- with special clamp for PVC pipes acc. to EN 1452-2
- External thread EN 10226-1

### Construction features

#### Resilient seated gate valve with optimum flow passage

- For vertical installation on pipe saddles
- For service valves with external thread, the free lying threads must be protected against corrosion according to the trade regulations after assembly
- 2 O-rings mounted on all sides in rust-proof material
- Spindle bearing made of brass
- Threaded connection for extension spindle
- Suitable for all underground installations

#### ISO-socket:

- The function of the ISO pipe fitting is clear and simple: the O-ring made of highly elastic elastomer seals even when depressurized due to its pretension on the pipe.
- As the water pressure and pipe tension increase, the sealing and grip rings are compressed further into the conical chamber, thus increasing the sealing and gripping effect
- The gripping and sealing functions only act on the outer diameter of the pipe; therefore only one fitting is required for all pressure ratings up to PN 16
- The joint is flexible; the fitting can be turned on the pipe and disassembled on demand without affecting the grip or seal. The installation of the fitting is quick and simple.

All ISO pipe fittings can also be supplied for PVC pipes with a specialised grip ring at extra cost.



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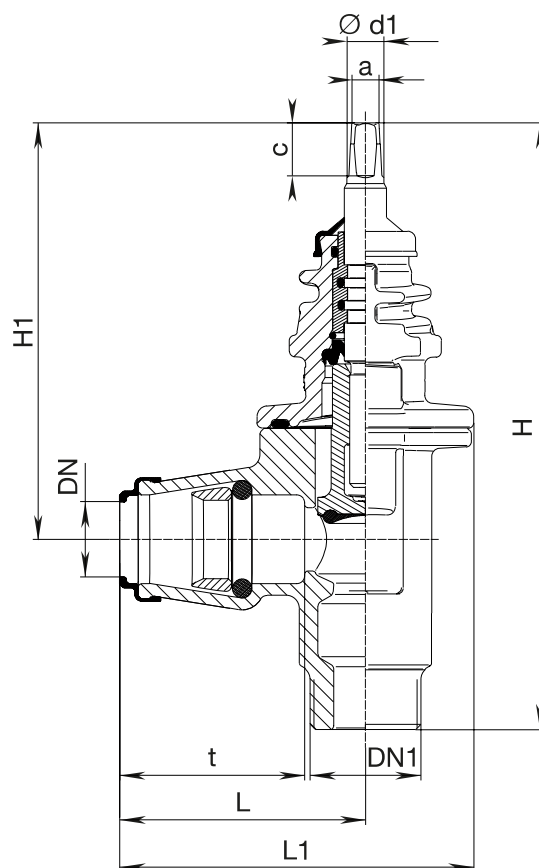
### Materials

<b>Body bonnet</b>	<ul style="list-style-type: none"> <li>Ductile iron: EN-GJS-400-15 according to EN 1563</li> <li>Epoxy powder coated inside and outside: According to DIN 3476-1 and EN 14901 in due consideration of the RAL-GZ 662 quality and testing requirements: <ul style="list-style-type: none"> <li>- coating thickness: min. 250 µm</li> <li>- zero porosity: min. 3000 V spark test</li> <li>- adhesion: min. 16 N/mm<sup>2</sup></li> </ul> </li> </ul>
<b>Wedge</b>	Wedge of non ferrous metal brass CuZn21Si3P with max. 0.1% lead content, rubberized outside with vulcanized EPDM rubber (EN 681-1), with drain hole
<b>Spindle</b>	Non-rising Duplex stainless steel spindle (1.4162), with max. 0.1% lead content (PRE value ~ 26) and a pitting potential of min. 750 mV with rolled thread; spindle polished in the area of the O-ring sealing
<b>O-ring carrier</b>	O-rings embedded in non-corrosive material /brass) in the area of the spindle duct, acc. DIN EN 13774
<b>O-rings</b>	EPDM
<b>Back seal</b>	EPDM (EN 681-1)
<b>Retaining ring</b>	Stainless steel
<b>Bonnet gasket</b>	EPDM (EN 681-1)
<b>Screws</b>	Screws (internal hexagonal) corrosion-protected by being countersunk and sealed with sealing compound, and by bonnet gasket made of EPDM acc. to EN 681-1
<b>Wiper ring</b>	EPDM

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DN	PN	Weight	DN	DN1	H	H1	t	L	L1	Ø pipe	Spindle	
											a	c
DN25/AG1¼"-D32	PN16	2.33	1"	1 1/4"	231	159	63	6	132	32	10,3	20
DN32/AG2"-D40	PN16	3.71	1 1/4"	2"	273	191	77	106	159	40	10,3	20
DN40/AG2"-D50	PN16	4	1 1/2"	2"	283	193	91	120	173	50	10,3	20
DN50/AG2"-D63	PN16	4.91	2"	2"	289	196	103	135	188	63	10,3	20

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