

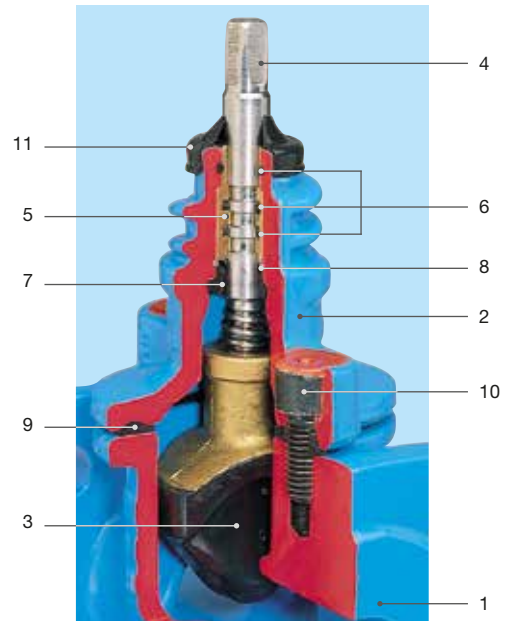
# Service valve

## Overview

### Design features

#### Ductile iron valve

- **Resilient seated gate valve** with smooth and straight-through bore
- Flange valve
- Valve with ISO-fitting
- Valve with thread
- Service valve for PE fusion
- Service valve
- Service valve with drainage
- 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
- For service connection fittings made of ductile iron with external thread, the free lying threads must be protected against corrosion according to trade regulations after assembly



### Material | Technical features

- 12 **Body (1), bonnet (2)** made of ductile iron, epoxy powder coated inside and out (see page 4)
- 3 **Wedge** made of brass, with vulcanised elastomer
- 4 **Duplex stainless steel spindle** with rolled thread and flat-rolled sealed sliding surface
- 5 **Spindle bearing** (O-ring carrier) made of brass
- 6 **O-rings** made of elastomer
- 7 **Back seat** made of elastomer
- 8 **Retaining ring** made of stainless steel
- 9 **Bonnet gasket** made of elastomer
- 10 **Internal hexagonal screws** recessed and absolutely corrosion protected through casting compound
- 11 **Wiper ring** made of elastomer

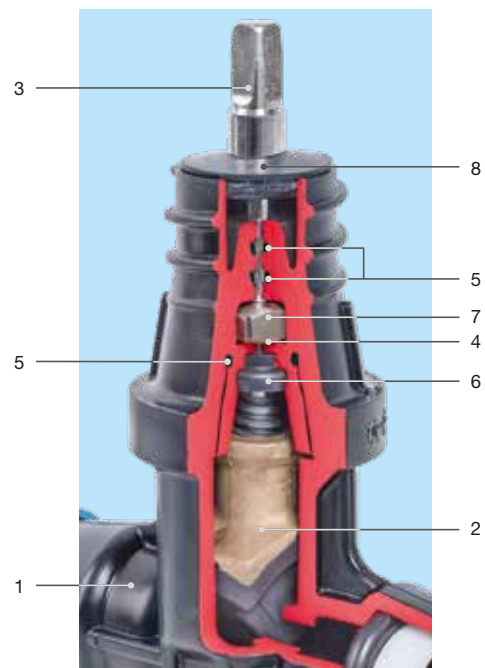
### Design features

#### Valve made of POM

- **Resilient seated gate valve** with smooth and straight-through bore
- Valve with ISO-fitting
- Valve with Hawle-Fit socket
- Valve with thread
- Service valve for PE fusion
- Service valve
- Bonnet with body homogeneously connected through rotational welding
- 2 O-rings for spindle sealing
- Spindle bearing made of brass
- Overload protection
- Threaded connection for extension spindle
- Suitable for all underground installations

### Material | Technical features

- 1 **Body** made of POM
- 2 **Wedge** made of brass, with vulcanised elastomer
- 3 **Duplex stainless steel spindle** with rolled thread and flat-rolled sealed sliding surface
- 4 **Spindle bearing** made of brass
- 5 **O-rings** made of elastomer
- 6 **Back seat** made of elastomer
- 7 **Overload protection** made of stainless steel
- 8 **Wiper ring** made of elastomer



# Service valve for pe fusion

## Made of ductile iron



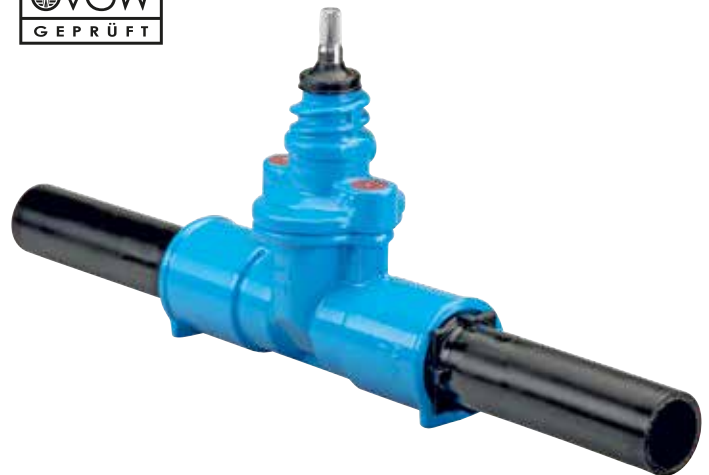
### Design features

- Resilient seated gate valve with PE-fusion tails in combination with PE pipes according to EN 12201, DIN 8074
- This resilient seated valve has PE-fusion tails screwed into and sealed in the sockets
- The seal of the welding socket is guaranteed by two independent O-ring seals as well as a POM support liner in the welding socket
- The valve can be connected to the PE pipeline by either butt fusion or electrofusion

**Standard version:** without handwheel and extension spindle

**Special versions:** on request

**No. 4050**



### Material | Technical features

#### 1 PE-fusion tails

Standard version PE 100-RC injection moulded  
**Support liner** made of POM for PE tails  
 (see overleaf drawing))

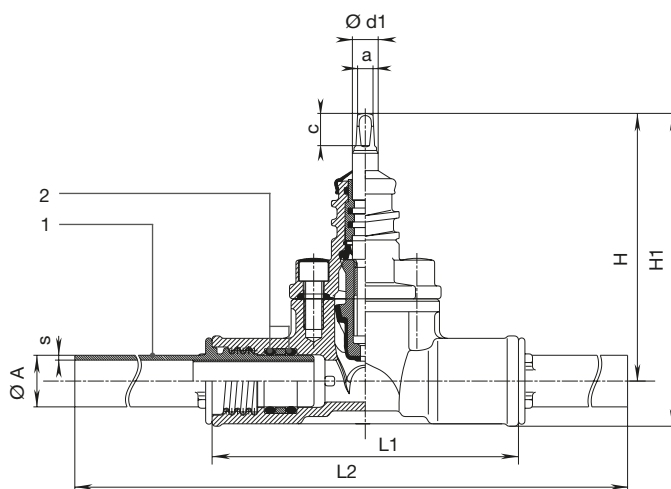
#### 2 O-ring made of elastomer

### Suitable accessories

**Suitable accessories:** see page J 1/2

Handwheel: No. 7800  
 Extension spindle: rigid No. 9101  
                           telescopic No. 9601  
 Surface box: rigid No. 1550, No. 1650  
                   telescopic: No. 1850, No. 1851K  
 Spindle extension: No. 7820  
 Sealing cap: No. 2156, No. 2157

Order No.	PE-fusion tail	MOP (PN)	Dimensions/DN		
			1" / d 32	1 1/4" / d 40	1 1/2" / d 50
4050	PE 100-RC / SDR 11	16			



DN	Ø A	Valve with PE-fusion tail					Spindle			Weight
		s	H	H1	L1	L2	a	c	Ø d1	
1"	32	3,0	164	192	196	518	10,3	20	14	3,07
1 1/4"	40	3,7	199	234	230	556	10,3	20	16	4,54
1 1/2"	50	4,6	199	242	240	576	10,3	20	16	5,52