

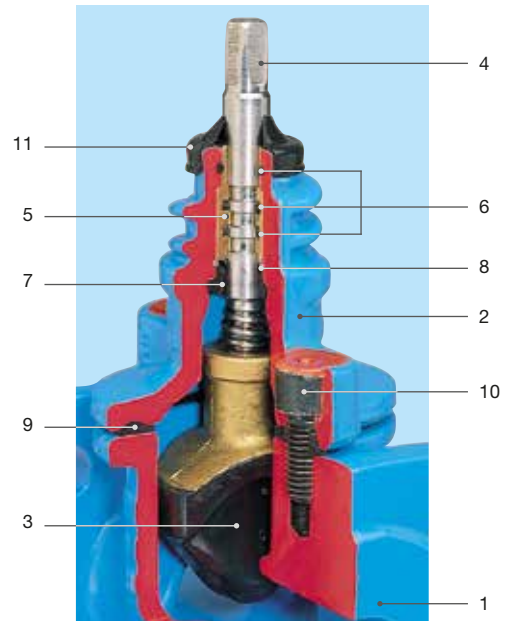
# Service valve

## 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

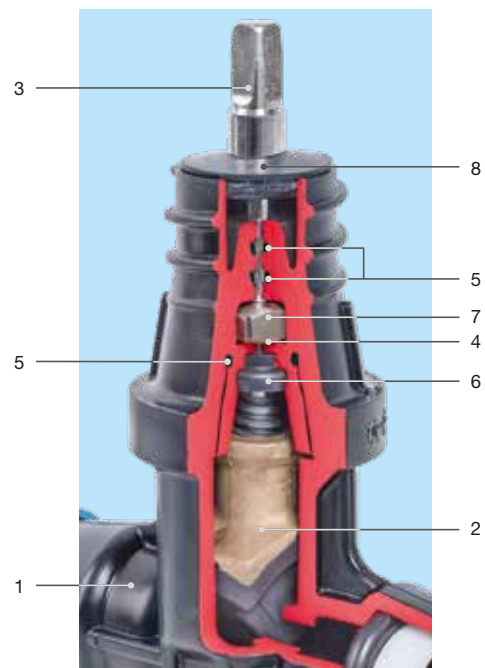
### Design features

#### 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

With automatic drainage, made of ductile iron



## Design features

- Resilient seated gate valve with optimum flow passage
- Suitable for drainage of pipes which might freeze e.g. irrigation pipes etc. In below ground applications sufficient draining for the valve has to be considered (e.g. drainage pit)
- Sealing system: Automatic secured drainage when valve is completely closed. No clearing when the valve is partly or completely open  
NOT suitable for sites with a drainage hole situated above the groundwater table
- Internal thread is equipped with a corrosion protection ring to prevent corrosion

No. 2491



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

**Special versions:** on request

## Material | Technical features

- **Shut-off plug** made of brass, with vulcanized elastomer
- **Hose fitting** made of chrome-plated brass

## 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. | Version  | MOP (PN) | Dimensions/DN |    |     |     |    |
|-----------|--|----------|---------------|----|-----|-----|----|
|           |  |          | ¾"            | 1" | 1¼" | 1½" | 2" |
| 2491      | internal iron threads both ends, automatic drainage device | 16       |               |    |     |     |    |

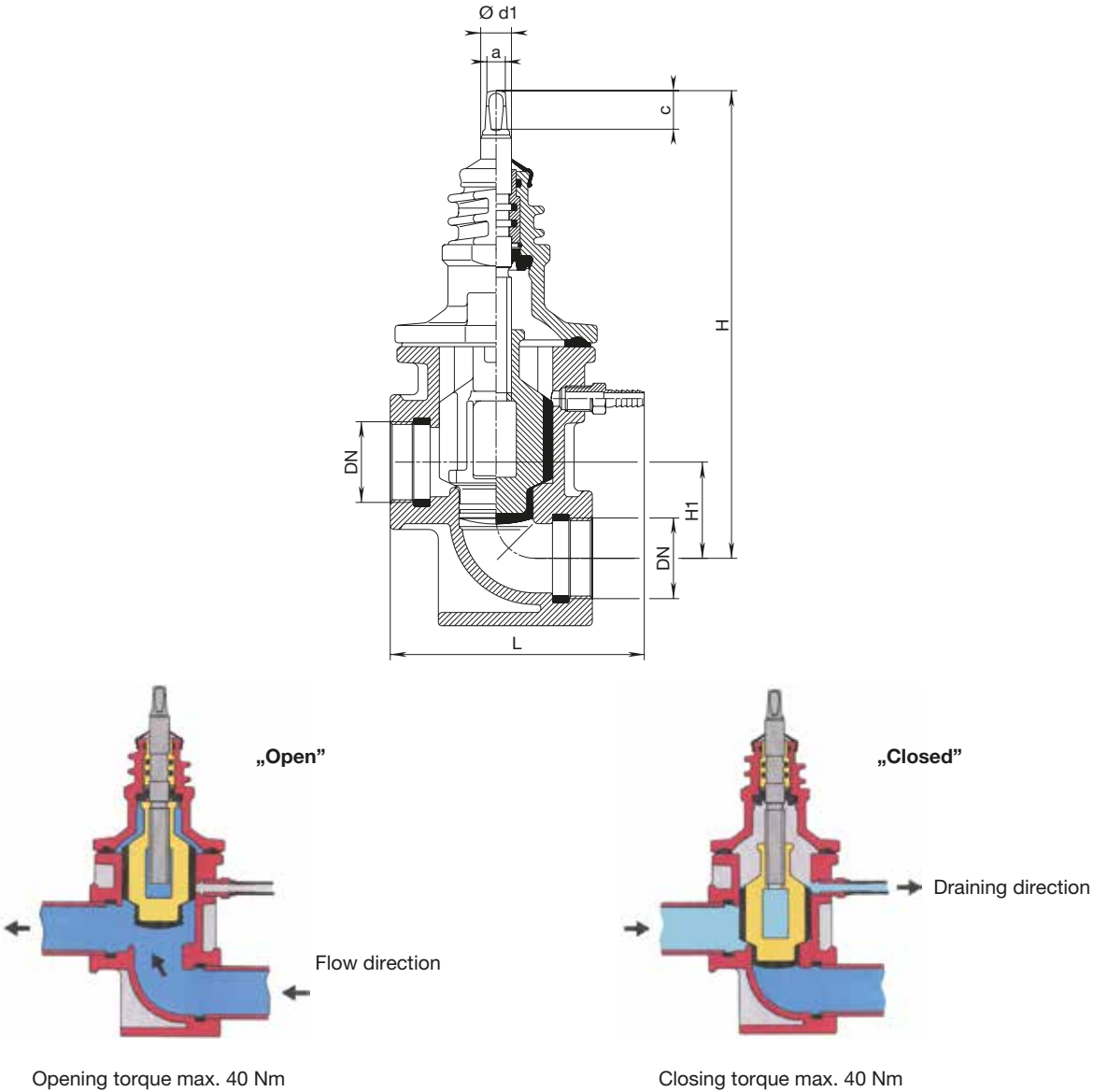
# Service valve

## With automatic drainage, made of ductile iron

No. 2491

### Thread drainhole and automatic draining

Note installation direction (arrow). Drainage only when the valve is completely closed:  
 Note that drainhole must be positioned above ground water level in case of below ground installation  
 (no backflow preventer in the drainhole!)



| DN Internal thread (ISO 228) | Valve |     |    | Spindle |    |                  | Weight |
|------------------------------|-------|-----|----|---------|----|------------------|--------|
|                              | L     | H   | H1 | a       | c  | $\varnothing d1$ |        |
| 3/4"                         | 115   | 207 | 41 | 10,3    | 20 | 16               | 2,40   |
| 1"                           | 115   | 207 | 41 |         |    |                  | 2,30   |
| 1 1/4"                       | 130   | 243 | 50 |         |    |                  | 3,90   |
| 1 1/2"                       | 130   | 243 | 50 |         |    |                  | 4,00   |
| 2"                           | 140   | 243 | 50 |         |    |                  | 4,50   |