

Hawle PRO butterfly valve
with proportional action sealing system and restraint loose flanges

Explanations

The scope of medium can be restricted within the product data sheets. In case of any inquiry or order point out the medium of each project.

In case of any questions, don't hesitate to contact our application engineers.



potable water products



In general our products are subject to the statutory warranty period of two years from the day of delivery by Hawle. Due to the high quality of Hawle products we are able to offer you an extended warranty period of 5 years for our products. Further information for potable water products: www.hawle.de/warranty



Further information of „10 years quality warranty“ for potable water products: www.hawle.de/quality

Hawle PRO butterfly valve with proportional action sealing system and Hawle-loose flanges

The Hawle PRO butterfly valve is provided with a proportional action sealing system.

The sealing is accommodated in the body of the butterfly valve. When open, the same pressure is admitted to the valve disc from all sides, thus reliably preventing unintended deformations of the gasket. As soon as the PRO butterfly valve is moved to closed position, the valve seal is pressed against the valve disc. The contact pressure depends on the water pressure.

The proportional action sealing system ensures reliable sealing, on the one hand, and a long service life due to low wear of the sealing, on the other hand.

The Hawle PRO butterfly valve is provided with the same loose flange system as the exchange gate valve.

Therefore, apart from being used in new constructions, the butterfly valve is mainly suitable for exchanging existing valves. The flat gaskets are already included in the barrel gaskets. Therefore, no keying is required between the flanges.

Moreover, the loose flange system has some advantages in terms of storage. The flanges can be quickly and easily changed from PN 10 to PN 16 or vice versa.

Apart from its real function as shut-off valve, the Hawle PRO butterfly valve can also be used as dismantling piece because of the integral loose flange system (no additional dismantling piece required).

Technical features

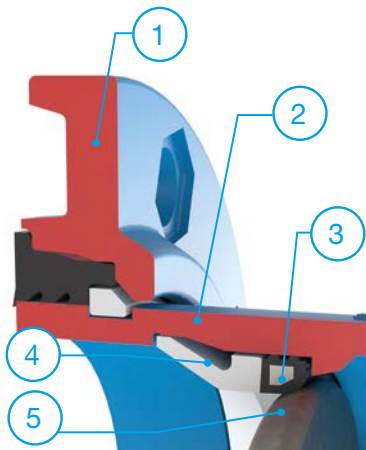
- Proportional action sealing system
- Easy installation due to loose flange system
- Advantages for storage due to exchangeability of loose flanges e.g. from PN 10 to PN 16
- Flat gaskets already included in the barrel gaskets
- Self-locking worm gear, with position indicator for installation in plants
- Blow-off resistant fixing of shafts and sleeves (EN 593)
- Maintenance-free

Technical data

Body / flange:	GJS-400, Hawle epoxy powder coating
Valve disc and shaft:	Stainless steel
Seat gasket:	EPDM / reinforced with a ring of stainless steel
Barrel gasket for loose flange:	EPDM
Retaining ring for seat gasket:	POM for DN 150 - DN 300 / stainless steel from DN 400
Medium:	Potable water
Max. operating pressure:	16 bar
Dimension:	DN 150 - DN 600

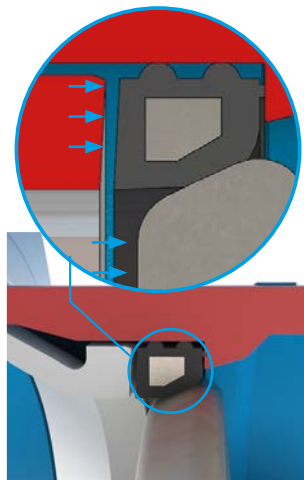
Proportional action sealing System (Hawle PRO butterfly valve)

- Innovative proportional action sealing system in the valve body
- Eccentric bearing of the valve disc
- Stress-relieved bearing of seat gasket in open position
- Low operating torques
- Maintenance-free



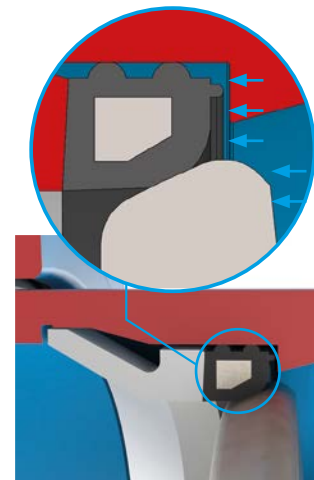
Section view of sealing system

1. Loose flanges
2. Body
3. Steel-reinforced seat gasket
4. Retaining ring
5. Valve disc



Functional principle 1

Operating pressure presses seat gasket against valve disc



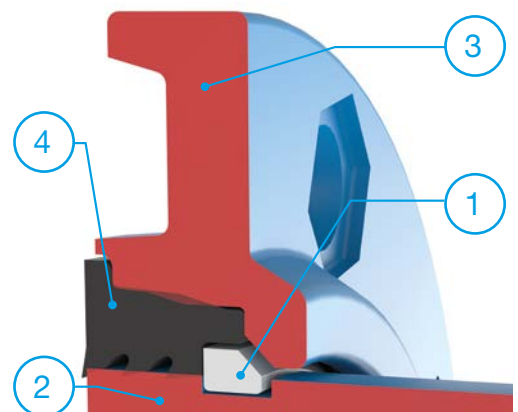
Functional principle 2

Operating pressure presses valve disc against seat gasket

Hawle Loose flange system, corrosion protection and restraint

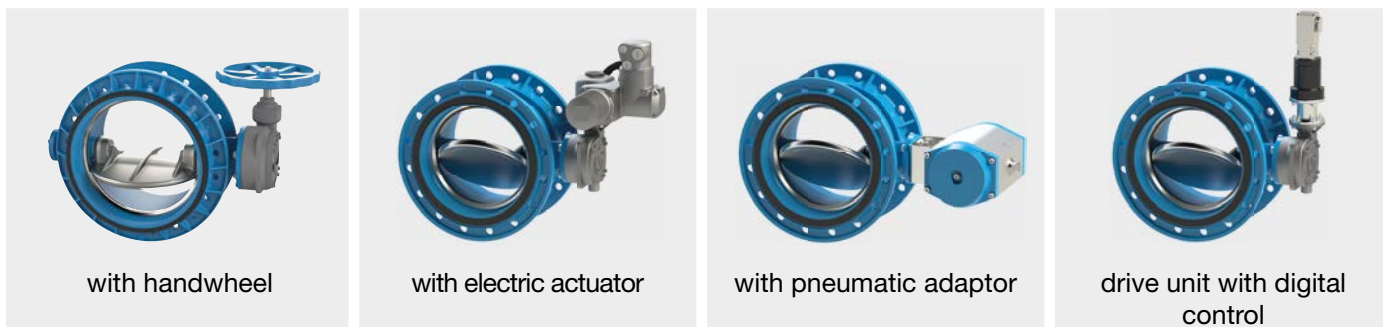
- Two restraint loose flanges (PN 10 or PN 16)
- Flat gaskets already included in the barrel gaskets (lip seals) -> therefore, no keying is required between the flanges when installing the valve in the gap.

1. Retaining ring
2. Body
3. Loose flange
4. Barrel gasket with lip seal

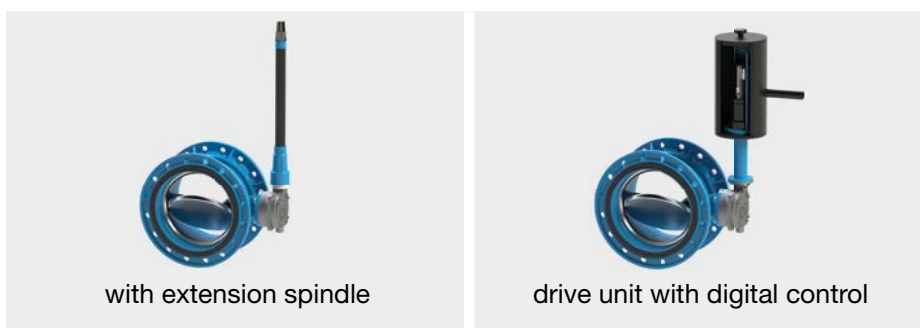


Drive variants / Product complements

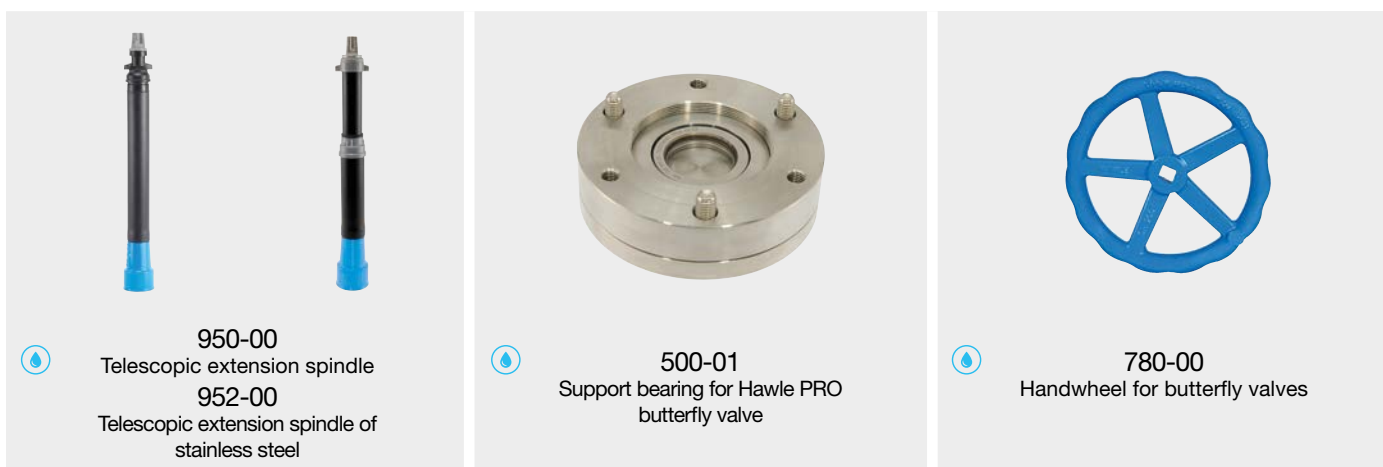
Plant installation




Buried installation

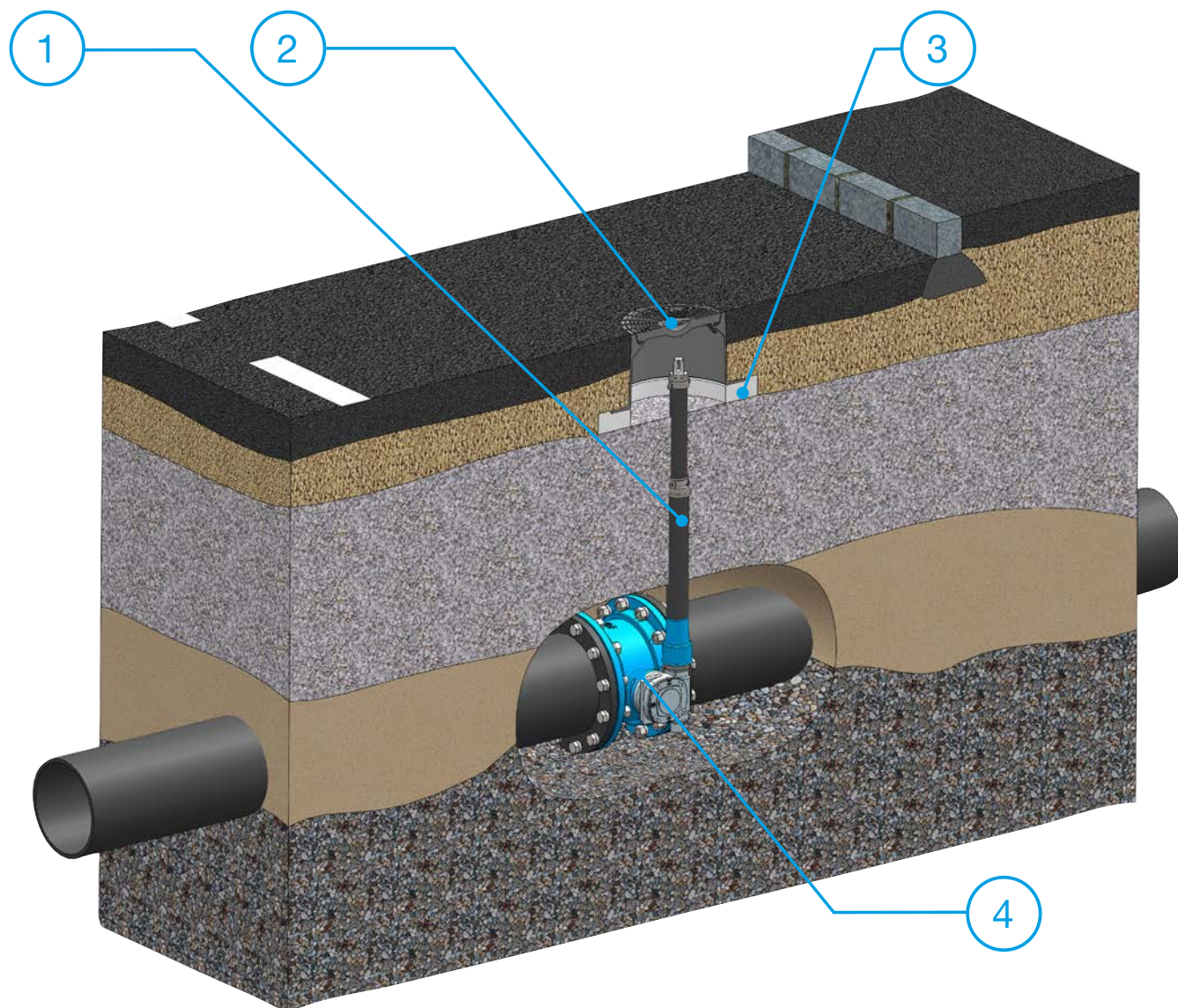


Product complements



No:	Description	Operating pressure max. 	Dimension
950-00 / 952-00	Telescopic extension spindle/ Telescopic extension spindle of stainless steel	-	RD 0,85 - 4,10 m L 550-1290 mm
500-01	Support bearing for Hawle PRO butterfly valve <small>The vertical support bearing serves to retrofit already installed Hawle PRO butterfly valves provided the latter were installed vertically (see operating instruction)</small>	-	DN 150 - DN 600
780-00	Handwheel for butterfly valves	-	DN 25 – DN 40: Plastic DN 50 – DN 600: Cast iron

Installation example buried installation



1. Extension spindle

2. Surface box

3. Base plates for surface box

4. Hawle PRO butterfly valve

Hawle CAD



- Generation and sending of requests including parts lists
- Automatic extension and updating of program via online auto-update function
- Representation of valve sequences and/or clusters including parts list output
- Data export in DXF format and import into various planning programs possible (e.g. AutoCAD, etc.)
- Continuous advancement of the program



Free Download: www.hawle.de/cad-en



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