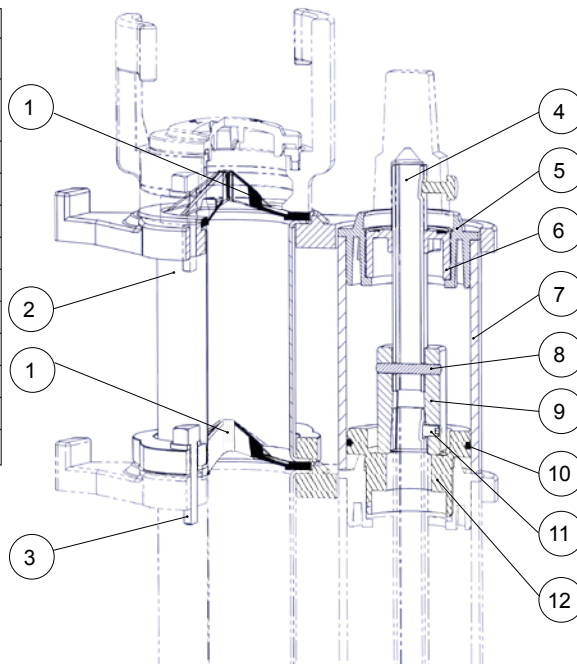


**1. Intended use / Product description**

No.	Component
1	Dirt gasket
2	Standpipe extension with coupling plate and oval flange
3	Hexagon head screws, washers
4	Square tube
5	Cover cap
6	PE bushing with square socket
7	PP pipe
8	Grooved stud
9	Coupling box
10	O - ring
11	Set screw
12	Extension plug



**Medium:** Potable water

**Max. operating pressure:** 16 bar

**Material:**

Coupling plate/flange: GJS-400, Hawle epoxy powder-coated  
 Medium pipe: stainless steel, Hawle epoxy powder-coated  
 Protection jacket: PP (polypropylene)  
 Gaskets: EPDM acc. to DVGW W 270

The extension set for Hawle freeflow underground hydrants Ord. No. 490-00 and 490-01 permits the subsequent extension of the hydrant even with the hydrant remaining installed.  
 The extension set is available at lengths of 100 - 500 mm. Special lengths on request.

For Hawle freeflow underground hydrants Ord. No. 490-00 with pipe cover depths 0.77m and 0.79m Ord. No. 490 080 0816 and 490 081 0816 a special variant of the extension set must be used - on request.

The extension set can only be used for Freeflow underground hydrant "height adjustable" Ord. No. 494-00 and Tele-Hydrant® Ord.No. 492-00 on request.

For installation, assembly, and maintenance, the applicable standards and regulations, accident prevention regulations, as well as the trade associations' provisions shall be complied with.  
 Installation, assembly, and maintenance should be performed by skilled personnel only.

**2. Installation**

Preparation at the installed hydrant:

1. Close the hydrant.
  2. Dismantle the spindle head by loosening the hexagon head screw M8x16.
  3. Two-part version (cover cap/gasket): Remove the gasket from the spindle head.
  4. Take out the cover cap and the PE bushing with square socket No. 6 (blue colour) or destroy it if necessary (remove fragments)!
- Version with one-part cover cap: The PE bushing No. 6 can be pressed through cover cap No. 5. Take out the cover cap.

5. Dismantle the claw coupling by loosening the two hexagon head screws M16x50. Remove dirt gasket No. 1.

Installation of the hydrant extension:

1. Pull extension plug No. 12 (white colour) with O-ring No. 10 over the operating rod and drive it into the PP pipe of the hydrant. Put on square extension No. 4 with coupling box No. 9 and fix it with set screw No. 10 in the locking mechanism of the operating rod!
2. Put on extension parts No. 2 and No. 7.
3. Screw the oval flange on the coupling plate of the underground hydrant by means of hexagon head screws and washers No. 3. Check the perfect seat of gasket No. 1!
4. Mount the previously dismantled claw coupling on the coupling plate of the extension part. Check the perfect seat of gasket No. 1!
5. Push cover cap No. 5, PE bushing No. 6, and then the previously dismantled spindle head onto square tube No. 4 and fix it with the supplied new hexagon head screw M8x16 (incl. screw locking device).

**3. Servicing and maintenance**

The Hawle underground hydrant extension is maintenance-free.

**4. Commissioning and pressure-testing**

After the successful installation, the unit has to be pressure-tested in the open trench observing the maximum operating pressures acc. to the DVGW regulations.

The gaskets between the claw coupling and the coupling plate as well as between the oval flange and the coupling plate of the underground hydrant must be checked especially.

**If you have any other questions or if you need more information, please contact:**

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