



1. Intended use / product description:



Medium: potable water

Max. operating pressure: 16 bar

Material: see table

The pipe entry fitting with conduit serves to establish a restraint connection between medium-bearing PE pipes and the integrated push-fit fittings through the stainless-steel conduit.

The pipe entry fitting is installed by means of two annular space seals. Prior to installation, a suitable core hole must be drilled into the concrete wall.

The annular space seals must be provided by the customer and are not included in the scope of supply.

Advantages:

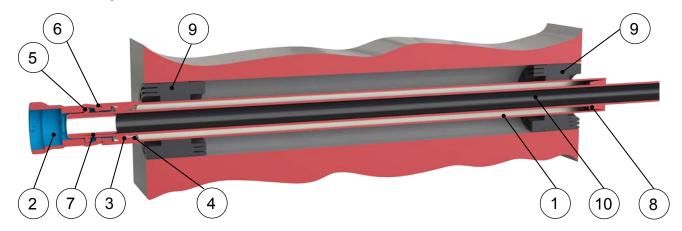
- With integrated ZAK fitting on the building inside
- Two design variants: straight or 90° elbow

During installation, assembly, and maintenance, the applicable standards and regulations, accident prevention regulations, as well as the trade associations' provisions shall be observed and complied with. Installation, assembly, and maintenance may be performed by skilled personnel only. Important: When PE pipes are installed, a support liner must **always** be used.

Accessories:



2. Assembly



Item	Pcs.	Designation	Material	Item	Pcs.	Designation	Material
1	1	Conduit	Stainless steel	6	1	O-ring	NBR
2	1	Fitting with ZAK®46 socket	GJS-400	7	1	Support liner	POM
3	1	Interlocked grip ring	POM	8	1	Tapered sleeve gasket	NBR
4	1	Taper ring	POM / GJL-200	9	2	Annular space seal	See manufacturer
5	1	O-ring	EPDM	10	1	Medium pipe	PE



2

PE cutter, pipe deburrer Ord. No. 600-00, chamfering tool Ord. No. 598-00

1 Drilling the core hole

- Select the suitable annular space seals (9). (Annular space seals are to be provided by the customer!) Dimensions see table!
- Select \varnothing of core hole suitable for the annular space seals used.

•
Position the conduit (1) in the core hole and assemble
it using the annular space seals (9).

(Observe the manufacturer's operating instructions!)

The annular space seal (9) must always be installed behind the welded threaded socket and/or the weld. Thus, safe installation and dismantling, if required, is ensured.

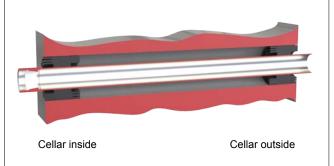
During installation, the mounting instructions of the downstream equipment (water meter and water meter bracket) must be observed.

• Push the tapered sleeve gasket (8) onto the medium pipe (10).

Important: Observe the mounting direction of the tapered sleeve gasket (see illustration)!

• Pull in the medium pipe (10).

Pipe Ø	Ø of conduit to be sealed
d32	Ø 51 mm
d40	Ø 63,5 mm
d50	Ø 82,5 mm
d63	Ø 101,6 mm





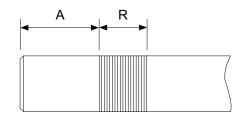
4 Installation of fitting

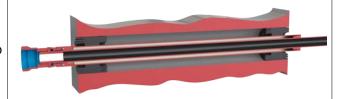
Important: Before installing the push-fit fitting (2), check it for completeness and the correct fit of the O-ring (5) and grip ring (3)!

- The medium pipe and the fitting must be clean and free from lubricants.
- There must not be any notches and scores on the pipe. Cut pipes straight using a sharp PE cutter.
- When using the supplied Hawle POM support liner, just deburr the cutting edge (pipe deburrer Ord. No. 600-00 or chamfering tool Ord. No. 598-00). When using an MS support liner, the pipe has to be provided with a 30° chamfer.
- In case of pipes with very smooth surfaces (e.g., PE-X pipes) we recommend roughening the pipe end only in the area of the grip ring (see table) perpendicular to the pipe axis!
- Push the support liner (7) into the medium pipe (10) as far as it will go.
- · Mark the push-in length A (see table) on the pipe.
- Push the interlocked grip ring (3) onto the medium pipe (10) as far as the marker for the push-in depth.
- Moisten the seal area of the medium pipe (10) with water.
- Push the medium pipe (10) into the fitting (2) as far as the marker for the push-in length.

Install the fitting without sealant (no sealing with hemp required due to O-ring between fitting and steel pipe).

Pipe ø	Roughening area R	Push-in length A
d32	18 mm	61 mm
d40	24 mm	67 mm
d50	26,5 mm	66 mm
d63	30 mm	65 mm





5 | Important:

Check the exact fit of the tapered sleeve gasket (8)!

Observe the final assembly instructions (retightening of screws, if necessary) of the manufacturer of the annular space seal (9)!

3. Commissioning and pressure testing

After completion of the installation work, the whole pipe entry fitting has to be checked again and subjected to pressure testing in the open trench as specified in the DVGW regulations.

Special attention should be paid to the stressless connection of the medium pipe and a tight fit of the fitting.

4. Servicing and maintenance

The pipe entry fitting does not need any maintenance.

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

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