Assembly instructions for

Quick installation pipe entry fitting as modular system Order No. 683-00

1. Intended use and product description

Medium: Potable water
Material: Conduit: steel, Hawle epoxy powder coated
Pressure flange: GJS-400, Hawle epoxy powder coated

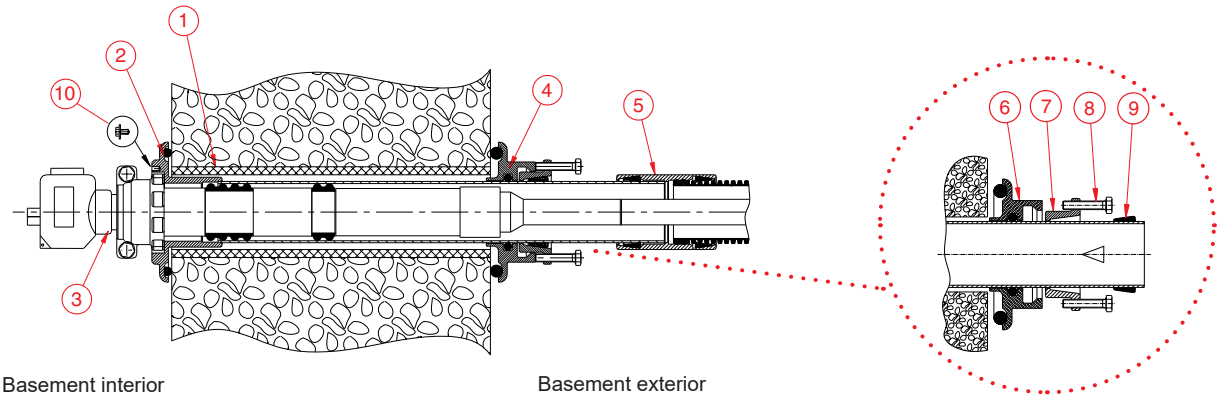
For the quick construction pipe entry connection with protection pipe, medium-conducting PE pipes (PVC on request) are pushed through the pipe entry connection into the inside of the building and connected with restraint via a push-fit fitting.
Rubber seals are used to seal the service pipe against the protective pipe and fitting on the one hand and the protection pipe against the outer wall of the building on the other.
In contrast to pipe entry connections for wet installation, this system does not require any casting between the quick construction pipe entry connection and the masonry (core drilling 87 - 92 mm).
The design allows a variable adaptation of the pipe entry connection to the respective wall thickness.

Advantages:
- Sealing against vagabonding gases and non-pressing water
- no casting between protection pipe and bore hole
- variable wall thickness adjustment (from 80 to 600 mm)
- Medium pipe can be dismantled on cellar side

Support liners are to be used when laying PE pipes in protective pipe for pipe entries.

Please observe the applicable standards and regulations, accident prevention regulations and the regulations of the employers' liability insurance associations. Pipe entry connections must be installed in such a way that the masonry remains watertight and gastight. Installation should only be carried out by appropriately trained personnel!

Example of installation of broken masonry with construction tube — Figure 1



2. Assembly:

a) Preparation: For the insertion of the quick construction pipe entry connection (2) a construction tube (1) (Order No. 683 000 0580) can be installed in the wall or a core hole with a diameter of ~ 88-92 mm can be drilled. If broken out areas are no longer covered by the sealing ring of the wall duct flange or the flange seal, they must be repaired.

b) Pull the preassembled clamping elements (4) for the outside of the cellar from the quick construction pipe entry connection. To move the grip ring (9), it must be opened slightly.

c) Lead the quick construction pipe entry connection (2) from the inside of the cellar through the bore. Please make sure that the flange is fully flush with the basement wall.

d) Push the contact flange (6) and the pressure flange (7) from the outside of the cellar one after the other onto quick construction pipe entry connection. Make sure that the screws (8) of the pressure flange (7) are already 1/3 screwed through beforehand (→ facilitates possible dismantling). Push the grip ring (9) onto the quick construction pipe entry connection until it touches the clamping cone (see Fig. 1 - Detail).

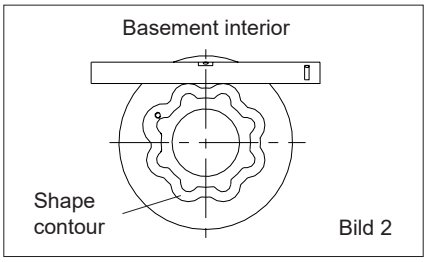
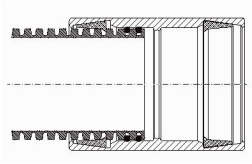


Bild 2

Water connection assembly:

f) If the media pipe is laid in the protection pipe, seal the connection between the quick construction pipe entry connection (2) and the extended protection pipe (Kabuflex® d75) with the transition piece (5) (Order No. 683 000 0590).

Insert the O-rings supplied into the first two grooves of the Kabuflex® protection pipe cut at right angles. Then spray with Hawle assembly spray Order No. 600 000 0014 and push into the protective pipe transition as far as it will go (see picture below).



For dismantling the pipe, use the extractor d75 Order No. 601 075 0000. If no continuation (5) is provided in the protection pipe, you require a cone sleeve cuff (Order No. 683WK), which is mounted from the outside of the basement.

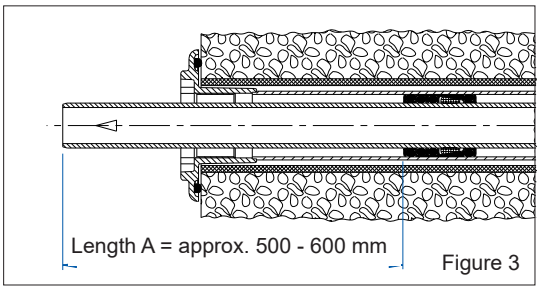


Figure 3

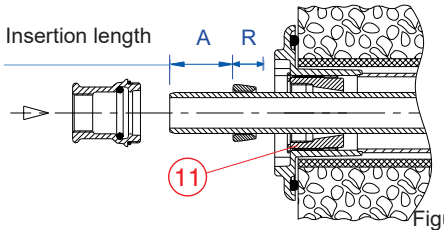


Figure 4

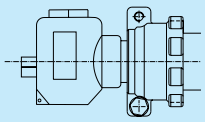
g) Now push the media pipe through the protection pipe with an approx. 700 m overhang. Use pipe end without notches and grooves on the surface. Cut pipe straight and chamfer without burrs (chamfering tool Order No. 598). For pipes with a very

h) smooth surface (e.g. PE-X pipes) we recommend roughening the pipe end only in the clamp area perpendicular to the pipe axis! The sealing set for water (Order No. 683W) is pushed onto the media pipe, observing the length A (Fig. 3). Spray the sealing elements with Hawle installation spray (Order No. 600 000 0014).

	Roughening area R for PE-X pipe in mm	
ø	A	R
d32	61	18
d40	68	24
d50	64	26,5
d63	58 (for pipe entry connection 2"-T-connection Order no. 683T)	30

i) To assemble the fitting (Fig. 4), first turn in the thread adapter (11) (Order No. 683AW) and slide on the grip ring. Note the insertion length A of the pipe end!

Caution:
The grip pieces are mounted at the factory. If these are changed on site, please make sure that the corundum coating is not damaged and that the screws are tightened with a torque of 60 N/m!



3. Commissioning:

After completion of the assembly work, the complete pipe entry connection must be checked once again. Particular attention must be paid to the tension-free connection of the protection pipe and the tight fit of the flanges. The seals must lie flat all around.

Should you have questions or need further information, please contact:

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