Installation

1. **Installation must always follow the installation instructions provided.**

2. **Position:**
   - installation preferably flush with the outside wall if there is no insulation on the outside of the building
   - for better access, or for a better visual finish, the seal can also be installed on the inner side of the wall, provided a wall sleeve is used
   - when used in core drills with double element walls, you need to make sure that both the outer element shell and the in situ concrete are each covered by at least 30 mm of the seal

3. **Two press seals are not necessary to make the installation watertight. It is of course an option for additional mechanical support and/or a better visial finish.**

4. **Tolerances for press seals can be found in the currently valid installation instructions provided:**
   - core drill hole/wall sleeve -1/+2
   - cable/media pipe: +1/-2
     (Caution! Does not apply if the application range is defined).

5. **Lubricant to be used only on surfaces, as indicated in the installation instruction.**

6. **Tightening the screws: typically in a cross-wise pattern, with the exception of GKD, which is done in a clockwise pattern**

7. **When installing, according to the installation instruction, retightening of screws is not required.**

8. **Installation control: For HSD, check the visual/tangible installation security through the integrated control opening. For modular seal GKD with integrated, visual installation control – no torque wrench required**

9. **In the case of wall sleeves which are outside the wall, either one or two clamping stainless steel straps need to be additionally mounted centrally across the seal as a counter-support.**

General information

- Press seals are not bearings or fastening point for pipes or cables.
- Settlement of the soil: There must be no settlement in the outside area (the soil underneath the cable/pipe entries must always be compacted accordingly). Tension-free installation of cables and pipes!
- The actual diameter of a pipe can differ from nominal. For example, a sewage pipe 100 has an inside diameter of 104 mm. Before installing the press seal, the dimensions of the opening (core drill hole/wall sleeve) needs to be checked. An adapter ring might be required.

Measuring instructions: How to measure correctly?

- How to select the correct GKD?

- Special solutions available for corrugated and insulated district heating pipes.
- Wall opening is not round? We have a solution for this too.

We are glad to help!

Hauff-Technik GmbH & Co. KG

Robert-Bosch-Straße 9
89568 Hermaringen, GERMANY

Tel. +49 7322 1333-550
Fax +49 7322 1333-999

ht.international@hauff-technik.de

flyer_basic_information_en_211207

Always. Reliable. Tight.

SEALING BASICS

Reliable sealing of service penetrations

WHAT TYPES OF WALLS ARE THERE?

The type of wall you are working with fundamentally affects the sealing solution to be used.

WALL STRUCTURE		
Wall type/ wall structure	**Fluid or sheet-type building seal**	**Waterproof concrete construction**
Brick-built basement		
Concreted basement		
Double wall/Element wall		
Double wall/Element wall with thermal insulation		

www.hauff-technik.com

Service penetrations in concrete

WHAT TYPE OF OPENINGS ARE THERE?

1 Wall sleeves set in concrete with a longitudinal water barrier in new building

Note: It is not uncommon that sewage pipes or other smooth pipes are set in concrete on constructions site as a wall sleeve. However, due to the missing water barrier, this construction is not watertight.

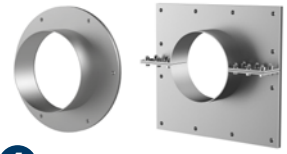
With the new Hauff KGF wall collar, a watertight and radon-proof connection between the pipe and the concrete can be achieved quickly and easily when setting them in concrete.

2 Renovation wall sleeves used for retrofitting in existing buildings

3 Core drill holes in new and existing buildings

Attention! In order to be suitable for the use of press seals, core drill hole shall fullfill the following criteria:

- as smooth as possible, no grooves or blowholes
- diameter tolerance: -1/+2 mm when using a Hauff press seal (e.g. HRD100... – fits in a core drill hole of 99 to 102 mm)
- prior to installing a press seal, any existing breaks, cracks or blowholes need to be repaired (quick-setting cement
- for porous core drill holes, i.e. small blowholes you need to use a core drill hole sealant (e.g. Hauff KBV 2.
- the wall with the core drill hole has a fluid or sheet-type exterior seal? – Please contact us for more advice!



4 Retrofit flange over a core drill hole or an opening in existing buildings

Note: If the properties of the core drill hole do not allow the use of a press seal, or even if the hole is not round or is jagged, we recommend solutions with flanges for retrofit dowelling.

WHAT ARE THE DIFFERENT PRESS SEAL MODELS?

Version: closed for new lines being installed or split for existing cables and pipes.

Available in EPDM, NBR, KTW or silicon rubber (elastomers) for a variety of applications.

Standard seals with segmented ring technology for individual adjustment to cable diameters on site.

Customised for a specific application.

Press seal

WHERE AND FOR WHAT CAN THESE BE USED?

- to seal smooth, round and stable media pipes, cables or micro-pipes, or as a blind cover for unused openings
- in walls, floors or ceilings
- in openings like described on the left (No. 1 – 4)

Example of a cable seal: HSD100 EW press seal.

Example of a pipe seal: GKD modular seal

Different sealing widths depending on the installation location and the water stress class in question. Sealing width 30 and 40 mm for water-proof concrete core drill holes or wall sleeves. Other solutions available in 60, 80 and 90 mm sealing widths.

Overlapping flange for mechanical fixing, e.g. for vertical installation.

Visual installation control Example: GKD modular seal.