Compakt Varia

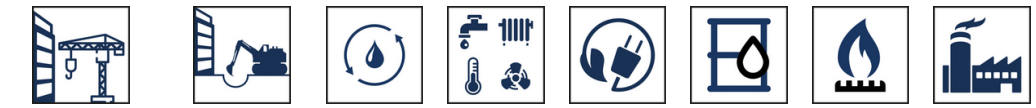
Sealing for wall penetrations of gas, water, sewage pipes, and cables against pressing and non-pressing water

FIELDS OF APPLICATION
Sealing of wall penetrations for gas, water, sewage pipes and cables against pressing and non-pressing water. Various diameters can be sealed using the onion ring technique.

MATERIAL
Material type: EPDM-Rubber
Shore hardness: Shore A 43° ±5
Pressure plates: V2A stainless steel
Rubber thickness: 40 mm
Bolts: V2A stainless steel
Description: Thread size M6 (from Varia 200 M8)

PROPERTIES
Temperature range: -30 °C to + 120 °C
UV-resistant: Yes
Pressure-tight: 1,5 bar
Description: Closed version: Tightness as temporary blind plug or as single lead-through up to ND 100; Pressure-tight up to 1.5 bar including carrier pipe up to ND 100 and up to 1.0 bar for ND 150/200; Split version: Pressure-tight up to 1.5 bar including carrier pipe up to ND 100

SIZE
Core drilling 80 bis 200 mm



PRODUCT INFORMATION

PROPERTIES
- Special applications for different pipe systems
- Consist of stainless steel pressure plate

FIELDS OF APPLICATION
- Sealing for wall penetrations of gas, water, sewage pipes and cables
- Against pressing and non-pressing water

DESCRIPTION
The rubber element is compressed by means of two metal discs. The Compakt seals the annular space between carrier pipe and casing pipe/core hole against water and gas.

NOTES

- Compakt seals are not an anchoring point.
- The carrier pipes must be centered and supported.
- A coating system should be used for the core drilling to create a smooth surface and to seal the concrete.
- For long clamping distances, additional hexagonal socket wrenches in a longer design are required.
- The specified values for pressure tightness are valid at 23 °C. For other, especially higher continuous operating temperatures, changing temperatures and permanent pressures, an ejection safety device must be fitted; this also applies to annular spaces larger than 100 mm.
- Please be sure to ask us in advance about the technical feasibility of planned applications for which there is no description (e.g. applications in the biogas or food industry).

SUITABLE ACCESSORIES

- PipeX FZH
- ProteX Epoxy Resin
- ProteX Core Hole Sealing

CERTIFICATES

TEXT

- ZERTIFIKAT_ISO_9001_2015
- AEO-CERTIFICATE Authorized Economic Operator "AEOC (customs simplification)"

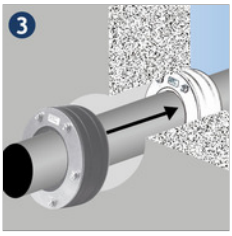
MFPA pressure test: Solo; Combi:
SKZ pressure test: Varia:
Radon tight: Test report Dr. Joachim Kemski:
FHRK quality seal: FHRK test specification GE 101 seals (Test report no. G 30 322-6-1), Compakt non-split version:
Material EPDM: Material testing DVGW W270; UBA ELL Drinking water application:

INSTALLATION

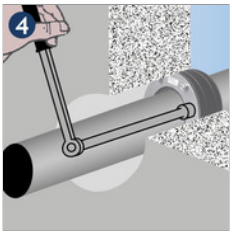
1
Clean casing pipe/core drilling and carrier pipe. Carrier pipes must be suitable, dimensionally stable and without damage in the sealing area. Core drillings have to be made true to scale and with a smooth inner side.

2
We recommend coating core drillings with ProteX epoxy resin in order to protect the concrete and smoothen possible cavities/grooves.

3
Verify the casing pipe/core drilling and carrier pipe diameters based on the sealing kit data. Insert the Compakt seal into the casing pipe or core drilling flush with the wall and insert the carrier pipe. Care must be taken to ensure the sealing insert is mounted on the outside of the building (tolerance for the carrier pipes).



4
In doing so, the nuts should preferably point to the inside in order to be accessible for subsequent tightening. The Compakt seal split version is available for subsequent mounting. Tighten the nuts a few turns clockwise. Repeat this procedure two or three times, but not beyond the maximum torque (see table below). Tighten again after half an hour!



To peel off the onion rings, push the rings backward by hand or with a screwdriver (Fig. 1/2) and cut into the skin with a sharp knife (Fig. 3). Afterwards pull off the ring by hand (Fig. 4). Until the appropriate size is reached.

WHAT MUST BE OBSERVED

- The Compakt seal is not an anchorpoint or pipe support. The seal can only assume a sealing function
- The carrier pipes have to be centred and supported (fixed)
- We recommend reducing the respective maximum torques in case of particularly thin-walled plastic pipes such as flexible casing and corrugated pipes (see table below)
- For long clamping strokes, deep hexagon sockets are additionally required for installation
- All building and pipeline guidelines are to be observed
- Use only in suitable casings acc. table Installation tolerances with suitable sealing surface in the inner wall and suitable rigidity (dimensional stability after installation)

INSTALLATION NOTE

We expressly draw your attention to the fact that the installation must be carried out by an authorized specialist company in accordance with the installation instructions.

RECOMMENDATION

To create a suitable sealing surface, we recommend coating core holes with PSI KB epoxy resin. This serves to protect the concrete and to smooth out any blowholes/grooves

TOOLS

Cleaning material/preparation, measuring tool, torque wrench, aids for markings

Compakt Seal

Nuts	Max. Torque	Torque for thin-walled plastic pipes	WR Super Soft	KTW
M 6	5 Nm	5 Nm	3 Nm	8 Nm
M 8	17 Nm for standard seal 20 Nm for standard seal	8 Nm for standard seal 15 Nm for standard seal	5 Nm	12 Nm
M 10	30 Nm	22 Nm	-	25 Nm
M 12	35 Nm	25 Nm	-	30 Nm