

A sealing system that works everywhere

Our new sealing system Wisecure Kompakt provides ideal sealing of wall penetrations made for all kind of pipes as well as for cables. Kompakt has been tested and approved for up to 5 bars water pressure.

The 40 mm wide annual rubber seal is compressed by means of two stainless steel pressure plates and enclosed stainless-steel bolts. When compressed, the rubber expands and firmly closes the gap between concrete and pipe- or cable sleeve.

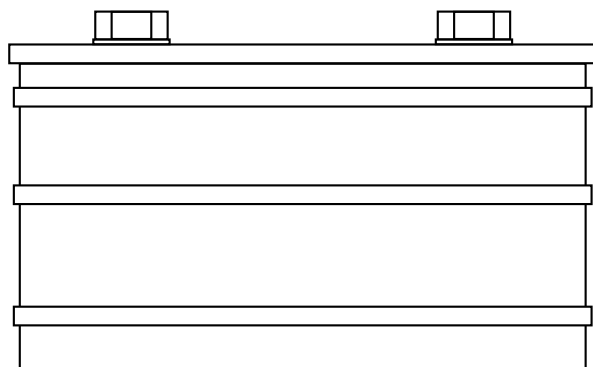
The comprehensive range of Kompakt seals is designed for universal use, covering all sectors within civil engineering and industrial applications.

Wisecure Kompakt

The Kompakt seal can be used both on existing installations and when installing new systems.

In the Split version pressure plates are divided into semicircles which means the seal can be split in two and mounted around an existing pipe penetrating a wall.

When installing new pipes or cables we recommend the closed version.



VIBRATION & SOUND ABSORBING



FROM 24 MM & UPWARDS



CUSTOM MADE OPTIONS



STRONG STAINLESS STEEL



FOR DRINK WATER USE



PRESSURE UP TO 5 BAR

DIMENSIONS OD IN MM / ART.NO.

	COMPAKT STANDARD	COMPAKT TEMP (FW) FOR DISTRICT HEATING PIPES	COMPAKT STANDARD WITH NBR RUBBER	COMPAKT STANDARD WITH KTW/W270 APPROVAL*
PRESSURE PLATES	S304	S304	S304	S304/S316 ALT.
CLOSED	STANDARD	STANDARD	STANDARD	STANDARD
SPLIT VERSION	AVAILABLE	AVAILABLE	AVAILABLE	AVAILABLE
PRESSURE TIGHTNESS	3,0 BAR - SECURE UP TO 5,0 BAR	3,0 BAR - SECURE UP TO 5,0 BAR	3,0 BAR - SECURE UP TO 5,0 BAR	3,0 BAR - SECURE UP TO 5,0 BAR
KTW/W270	NO	NO	NEJ	YES
RUBBER THICKNESS	40 MM	2X40 MM	40 MM	40 MM
RUBBER QUALITY	EPDM	EPDM	NBR	EPDM
UV RESISTENS	YES	YES	NO	YES
TEMPERATURE RANGE	-30°C TO +120°C	-30°C TO +120°C	-30°C TO +70°C	-30°C TO +120°C
SHORE	43 ± 5°	43 ± 5°	40 ± 5°	50 ± 5°
WALL OPENING MIN/MAX	50-400 MM	125-400 MM	80-250 MM	50-400 MM

The values specified for the pressure tightness are valid at 23°. For other, above all, higher permanent operating temperatures, an ejection safety device should, if required, be fitted.

* Elastomer tested in accordance with KTW and W270.

Wisecure Kompakt Standard

Wisecure Kompakt Standard is our base version of the whole Kompakt system. With Kompakt standard the system exists out of a rubber element that's compressed between 2 metal plates. Kompakt seals the annular space between the carrier pipe and the core drilled hole.

Wisecure Kompakt Standard is available in 4 different options. Please ask our sales dept about what option that will suit your needs best.

Pressure plates S304 (V2A)

Closed Standard

Split/open version available

Pressure tightness 2,0 bar (In secure position up to 5 bar)

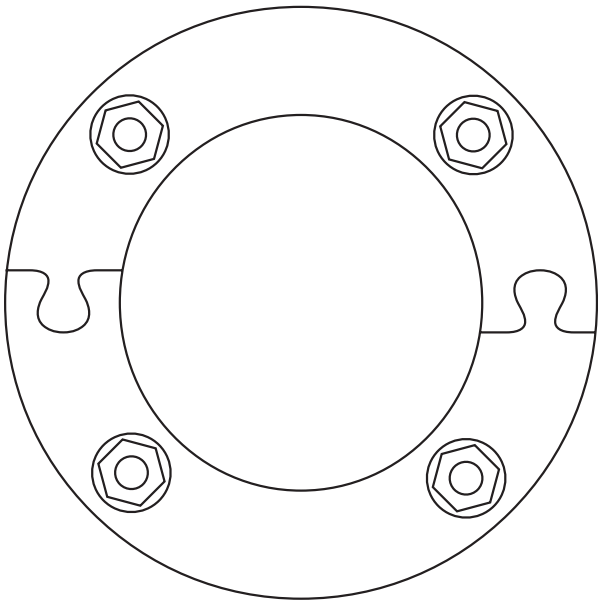
Rubber thickness 40 mm

Rubber quality EPDM

Temperature range -30°C up to +120°C

Shore A -45 ± 5°

Our Wisecure Kompakt Seal system is approved for drinking water with pressure up to 5 bar. We also provided custom sizes if needed.



Mounting instructions Kompakt

1. Each Kompakt seal consists of a rubber element, two pressure plates and several bolts, depending on seal size. Verify that the hole and pipe/cable dimensions are as per the specified model of Kompakt seal used.

2. Clean the inside of the core drilled hole from debris and remove any sharp edges. Clean the pipe jacket or cable sleeve. We recommend coating core drilled holes with KB epoxy resin in order to protect the concrete and smoothen out any cavities or grooves.

3a. If you are installing a Kompakt closed version thread the Kompakt seal over the casing pipe/cable all the way into the core drilled hole until the seal pressure plate is flush with the wall.

3b. If you have a Kompakt Split version unscrew the nuts on one of the semicircle pressure plates and remove the two plates on the back and front. With a sharp knife, make one single clean cut through the rubber element from front to back.

4. Tread the rubber element around the pipe/cable and mount the two semicircle pressure plates back. Push the seal into the core drilled hole until it's flush with the wall surface.

5. Always take care to ensure that the sealing is inserted with the nuts towards the inside of the building. In this way, nuts will be accessible for subsequent tightening.

6. Tighten first nut one turn clockwise. Then tighten the nut diagonally to the first one, on the opposite side. Continue in this way until maximum torque has been applied on all nuts. After two hours check the torque and if necessary, re-tighten.

Important notes:

- The Kompakt seal is not a pipe support or anchor. All pipes and cables must have proper support and fixations inside and outside the wall.
- Pipes and cables must be centred inside the core drill hole.
- When installed around thin plastic pipes a torque wrench must be used to avoid damages on the pipe jacket.

BOLT TYPE	MAX. TORQUE MOMENT
M6	5 NM
M8	10 NM
M10	15 NM
M12	20 NM

