

PSI COMPAKT SEALS

COMPAKT STANDARD

COMPAKT VARIA

COMPAKT KTW/W270
FOR POTABLE WATER

COMPAKT FW

WWW.PSI-PRODUCTS.DE



GENERAL INFORMATION



Sealing with a system

The PSI Kompakt seal is the perfect complement to the original Link-Seal® seal. Ideal sealing for wall penetrations for gas, water and sewage pipes as well as for cables against pressing and non-pressing water. Pressure plates are basically made of stainless steel.

The principle

The 40 mm wide rubber element is compressed by means of two metal discs. The PSI Kompakt seals the annular space between the carrier pipe and the casing pipe/core drilled hole against water and gas.

The accessories

PVC, steel and Asbestos-Free Fibre Cement wall sleeves, rubber support rings with lip seals, KB Epoxy resin -coating of core drilled hole

Kompakt FW

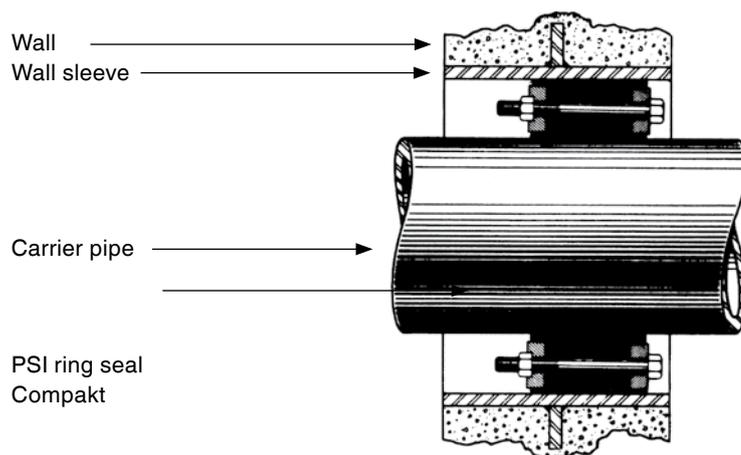
From an expected water pressure of about 0.1 bar is recommended for the wall penetration of district heating pipes the annulus seal Kompakt FW against pressing water.

	Kompakt Standard	Kompakt FW for pre-insulated district heating pipes	Kompakt Standard with NBR rubber	Kompakt Standard with KTW/W270 approval*
Pressure plate material	S304 (V2A)	S304 (V2A)	S304 (V2A)	S304 (V2A)/VA4 upon request
Closed	Standard	Standard	Standard	Standard
split/open version	available	upon request	available	available
Pressure-tightness	3.0 bar in secure position up to 5.0 bar	3.0 bar in secure position up to 5.0 bar	3.0 bar in secure position up to 5.0 bar	3.0 bar in secure position up to 5.0 bar
KTW/W270	no	no	no	yes
Rubber thickness	40 mm	2 x 40 mm	40 mm	40 mm
Rubber material quality	EPDM	EPDM	NBR	EPDM
UV-resistance	good	good	poor	good
Temperature range	-30 °C to +120 °C	-30 °C to +120 °C	-30 °C to +70 °C	-30 °C to +120 °C
Hardness, shore A	43 ± 5°	43 ± 5°	40 ± 5°	50 ± 5°
Core drilled hole 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 °C. For different, in particular higher permanent operating temperatures, it might be necessary to fit an ejection safety device.

* Elastomer tested in accordance with KTW and W 270

Sectional drawing of a ring seal Kompakt





- General Information:** The use of PSI Kompakt seals of type Varia is flexible: as a temporary blind plug against non-pressing water or as a single lead-through for pressing water. The sealing range of the Varia 1.5 for a core drilled hole ID 100 mm is continuous from 18 mm - 65 mm because of the small steps (5 mm) per ring. The type Varia 1.0 for core drilled hole ID 100 mm is especially applicable for house lead-in for retrofitting. The Varia seals for a core drilled hole ID 150 mm and 200 mm can be used for four different sizes of carrier pipe. Due to the soft rubber quality the seals are specifically suited for plastic pipes.
- Kompakt Varia 1.5 ND 80:** The Kompakt seal type Varia 1.5 ND 80 is made for a core drilled hole /wall sleeve ID 80 mm and can be used for carrier pipes or cables, continuously from 18 up to 45 mm.
- Kompakt Varia 1.5 ND 100:** The Kompakt seal type Varia 1.5 ND 100 is made for a core drilled hole /wall sleeve ID 100 mm and can be used for carrier pipes or cables, continuously from 18 up to 65 mm.
- Kompakt Varia 1.0 ND 100:** The Kompakt seal type Varia 1.0 ND 100 is designed as a split version for a core drilled hole/wall sleeve ID 100 mm for retrofitting. It can be used for carrier pipes OD 20 mm, 25 mm, 32 mm, 40 mm, 50 mm and 63 mm.
- Kompakt Varia 1.5 ND 100 LWL:** The Kompakt seal type Varia ND 100 is designed for a core drilled hole/wall sleeve ID 100mm and can be used for carrier pipes as well as LWL-cable up to OD 14 mm (core drilled hole in the pressureplate).
- Kompakt Varia 1.5 ND 110:** The Kompakt seal type Varia 1.5 ND 110 can be used like type Varia 1.5 ND 100 but for a core drilled hole /wall sleeve ID 110 mm.
- Kompakt Varia ND 150:** The Kompakt seal type Varia ND 150 is made for a core drilled hole /wall sleeve ID 150 mm and can be used for carrier pipes OD 60.3-63 mm, 75-76.1 mm, 88.9-90 mm and 110 mm.
- Kompakt Varia ND 200:** The Kompakt seal type Varia ND 200 is made for a core drilled hole /wall sleeve ID 200 mm and can be used for carrier pipes OD 110 mm, 125 mm, 139.7-140 mm and 160 mm.



This content can be found at
www.psi-products.com



Varia 1.5 ND 80



Varia 1.5 ND 100



Varia 1.5 with large flange ND 100



Varia 1.0 split version



Varia ND 150



Varia 1.5 ND 100 LWL

	Varia 1.5 ND 80	Varia 1.5		Varia 1.0 ND 100	Varia 1.5 ND 100	Varia ND 150	Varia ND 200
		ND 100	ND 110	split version	LWL cable		
Pressure Plates	S304 (V2A) closed	S304 (V2A) closed		S304 (V2A) split	S304 (V2A) closed	S304 (V2A) closed	
Tightness as a blind plug	1.5 bar	1.5 bar	1.5 bar	1.0 bar	1.0 bar	against non-pressing water	
Tightness with carrier pipe						1.0 bar	
KTW/W270	no	no	no	no	no	no	
Rubber thickness	40 mm	40 mm	40 mm	40 mm	40 mm	40 mm	
Rubber material quality	NBR	NBR	NBR	NBR	NBR	EPDM	
UV-resistance	poor	poor	poor	poor	poor	good	
Temperature range	-30 °C up to +70 °C	-30 °C up to +70 °C		-30 °C up to +70 °C	-30 °C up to +70 °C	-30 °C up to +120 °C	
Hardness, shore A	50° ± 5°	50° ± 5°		50° ± 5°	50° ± 5°	43° ± 5°	
Carrier pipe dimensions	18 mm - 45 mm	18 mm - 65 mm		20 mm, 25 mm 32 mm, 40 mm 50 mm, 63 mm	32 mm, 40 mm, 50 mm, up to 14 mm LWL	60.3-63 mm 75-76.1 mm 88.9-90 mm 110 mm	110 + 125 mm 139.7-140 mm 160 mm
Core drilled hole/wall sleeve	80 mm	100 mm 110 mm		100 mm	100 mm	150 mm	200 mm

The values specified for the pressure tightness are valid at 23 °C. For different, in particular higher permanent operating temperatures, it might be necessary to fit an ejection safety device.