

Pressio®-Elements

Modular Wall Penetration Seals 4 pipes

Please consider the following points before installation:

- Carrier pipe must be centred and supported, especially before back filling. Pressio®-Elements seals cannot provide any load-bearing function and are not a fixed point.
- Core holes can be coated with epoxy resin 4 pipes to protect the concrete surface and reinforcing steel. The coating can also smoothen over any cavities and grooves.
- Remove dirt and impurities from carrier pipe and core bore / wall sleeve.
- It is not possible to seal a spiral-wave pipe in this way.



Attention! Only for type KTW/W270:

Use the supplied lubricant on the inside and outside surfaces of each joint, as well as the connected ends, so the elements can glide.



1. **Connect ends of the Pressio®-Elements and adjust pressure plates.** All bolt heads have to face out towards the installation technician.



Installation video



2. It is possible that a chain could slightly sag. **Elements must not be removed from the chain.** The correct number of elements has to be installed as specified. It can be necessary to stretch the chain for smaller pipe diameters.



To select the right Pressio®-Elements and calculate how many you need for your project, please refer to the calculation program on our website: www.4pipes.de



3. Push Pressio®-Elements **into the annular space.** Begin to push in the seal first at 6 o'clock position, then right and left up to the 12 o'clock position. The bolt heads should still be easily accessible after positioning in the wall.



4. Tighten the bolts with a **torque wrench**, beginning at the 12 o'clock position. Do not tighten with a power tool! Tighten each bolt with about 4 to 5 turns. Repeat **in clockwise direction** until the noted torque (see table) is reached and the rubber is squeezed out evenly between the pressure plates.



5. **Tighten the bolts again after about 2 hours**, in accordance with the torque table below. Repeat this procedure several times depending on on-site conditions (e.g. temperatures < 10°C, larger annual space etc.). This is important, especially for IL 500 and larger.

Torque Table

Type	Type: C, S 316, OC, OS 316, KTW/W270 and TS	Type: BC and BS 316
IL 100	M4	1 Nm
IL 200 up to IL 275	M5	1.5 Nm
IL 300 up to IL 360	M6	5 Nm
IL 400 up to IL 475	M8	15 Nm
IL 500 up to IL 575	M10	30 Nm
IL 615 up to IL 700	M12	60 Nm

e.g. Tightening torque depending on the temperature

