

# DDL<sup>®</sup> Pipe-Seal BG (biogas)

## Installation guide for annular seal Compact seal insert

Please verify on site if the dimensioning of the ordered and delivered seal insert matches the factual conditions.

Remove loose particles at the core-drilled hole, in the internal wall of the wall sleeve and the external wall of the carrier pipe/cable in the area of the seal insert and clean these regions from impurities (with a steel brush if necessary).

### PS (closed version)

- Move the seal insert over the carrier pipe/cable into the opening. The side of the nuts should be accessible after the installation and be placed as close as possible to the side facing the water.
- Center the seal insert around the carrier pipe/cable in the core-drilled hole and dowel the fastening strips to the wall with adequate fastening elements.
- Evenly tighten the nuts in a crosswise sequence in multiple steps until the specified torque is reached (see below).
- It might be necessary to retighten the seal insert later if the position of the carrier pipe has changed (due to backfilling, settling, etc.).

### PS (split version)

- Fold open the seal insert (do not loosen the nuts) and put it back together over the carrier pipe/cable before inserting it into the opening.
- Move the seal insert over the carrier pipe/cable into the opening. The side of the nuts should be accessible after the installation and be placed as close as possible to the side facing the water.
- Center the seal insert around the carrier pipe/cable in the core-drilled hole and dowel the fastening strips to the wall with adequate fastening elements.
- Evenly tighten the nuts in crosswise sequence in multiple steps until the specified torque is reached (see below).
- It might be necessary to retighten the seal insert later if the position of the carrier pipe has changed (due to backfilling, settling, etc.).

## Torques and screw sizes

Thread	Torque	Screw size
M5	3 Nm	8
M6	8 Nm	10
M8	12 Nm	13
M10	25 Nm	17



The purchaser of the DDL seal inserts is responsible for its suitability for use and for all damages (immediate or consequential) resulting from improper installation.