INSTALLATION INSTRUCTION

ANNULAR SPACE SEALING

Type: FV-DG . . . / FV-MD . . . KB

!! Suitable for ground water non-pressure !!

Center the pipe, cable or conduit in wall opening or casing. Make sure the pipe is adequately supported on both ends. Link-Seal® modular seals are not intended to support the weight of the pipe.

Loosen rear pressure plate with nut just enough so links move freely towards and away from each other - connect both ends of belt.

Check to be sure bolt heads are facing the installer. Extra slack or sag is normal. Do not remove links if extra slack exists.

Note: On smaller diameter pipes, links may need to be stretched.

Slide belt assembly into annular space. For larger size belts, start inserting Link-Seal® modular seal assembly at the 6 o'clock position and work both sides up toward the 12 o'clock position in the annular space.

Start at 12 o'clock. Tighten any bolt in a clockwise manner. Tighten only by hand!

Do not tighten any bolt more than 4 turns at a time. Continue in a clockwise manner. Make 2 or 3 more passes at 3 turns per bolt until links have been uniformly compressed and the max. torque moment (see table) is reached.

Repeat tightening after approx. 2 hours. Especially the Link-Seal® Type LS 500 up to LS 850 are, depending on the installation conditions (annular space, temperature, etc.) has to be tightened again for several times.

Max. torque moment for rubber BLACK Max. torque moment for rubber BLUE Type

| 2.5 Nm | 2 Nm | PV DG200 | PV DG275 |
| 4.5 Nm | 4 Nm | PV DG300 | PV DG315 |
| 6 Nm  | 6 Nm | PV DG325 | PV DG340 |
| 27 Nm | 20 Nm | PV DG440 | PV DG425 |
| 65 Nm | 50 Nm | PV DG555 | PV DG575 |
| 85 Nm | 65 Nm | PV DG655 | PV DG680 |

Link-Seal® Modular seals – Do’s
1. Make sure pipe is centered.
2. Install the belt with the pressure plates evenly spaced.
3. Install the exact number of links indicated in sizing charts.
4. Check to make sure pipe is supported properly during backfill operations.
5. Make sure seal assembly and pipe surfaces are free from dirt.

Link-Seal® Modular seals – Don’t’s
1. Don’t install the belt with the pressure plates aimed in irregular directions (Staggered)
2. Don’t install Link-Seal® Modular seals with spiral weld pipe.
3. Don’t torque each bolt completely before moving on to the next.
4. Do not use high speed power tools.
5. Do not use power tools with Link-Seal® Modular seal S316 (X) bolts.
6. Please note that the Link-Seal® isn’t a fixing point.