

PE-RT / Multilayer – Installation Guide

Underfloor heating · Press-fit / compression

Cut. Use a PE-RT pipe cutter for a square cut. Re-round the pipe end with a calibrator if it has gone oval on the coil.

Press-fit (multilayer). Insert the pipe to the visible mark on the fitting body. Use the manufacturer's press tool to crimp the sleeve in one continuous motion. Do NOT re-press.

Compression. Slide nut and split ring onto the pipe. Push in fully. Tighten the nut to specified torque (typically 25–35 N·m for Ø16–25).

Loop layout. Spiral or serpentine loops — keep loop length within the design pressure-loss budget (typically ≤ 120 m of Ø16 per loop).

Pressure test. Hydrostatic test before screed pour: 1.5× operating pressure, 24 h with no significant drop. Document for handover.

Avoid. Do NOT heat-fuse PE-RT. Do NOT bend below 5× OD without using formed bends or guide elbows.

Manifold and zone-control layouts available on request – info@vala.com.tr.