

# Compression couplings VDL

## VDL Fittings



The VDL product range comprises various compression couplings for PE lines and pipes with KIWA certification, including: T-piece and elbow with compression coupling, double compression coupling, end set, T-piece with glued joint and nut. A special feature is that the package also comprises unique PVC-PE adapter couplings.

### APPLICATION

Civil engineering, industrial and agricultural sector, drinking water lines for HDPE and LDPE pipes

### CHARACTERISTICS

- ✓ Pressure class PN10 and PN16
- ✓ Various KIWA-certified couplings for PN16

### INSTALLATION & MAINTENANCE

1. Cut off the pipe at an angle (preferably by shearing or cutting) and clean.
2. Back off the nut by 3 to 4 turns.
3. Push in the pipe up to the first resistance (seal), then push in up to the stop.
4. Tighten the nut by hand. For larger sizes (> 40 mm), mechanical tools may be used.

- ✓ Use an insert bush for thin-walled pipes or driplines

**Note:** Do not use soap-based products for connections of PE lines.

### TECHNICAL DATA

Nut colour	: green, equivalent to RAL 6016
Material	: polypropylene (housing, Type 1) : PVC (housing, Type 2) : polypropylene (thrust ring and nut) : POM, polyoxymethylene (cutting ring) : EPDM; also available as FPM/ Viton (seal) : stainless steel (back-up ring)
Max. pressure	: 10 - 16 bar (see table)
Max. temperature	: 40°C (with decreasing max. pressure; see table)
Certification	: KIWA BRL-K 534, DIN 2999, ISO R7*
Diameters	: 16 - 110 mm : 3/8" - 4" BSP (gas thread)

### Maximum working pressure (bar) vs. temperature (°C) PE Housing\*

Temperature	-10 /+25 °C (bar)	+26/+35 °C (bar)	+36/+40 °C (bar)
PN	16	12,5	10
PN	10	8	6

\* Other values apply for compression couplings with PVC housing (see pressure/temperature diagram in Ch 1).