

NEOPERL® FLEX CORE® (PE-RT) DN8 – DN50

NEOPERL®

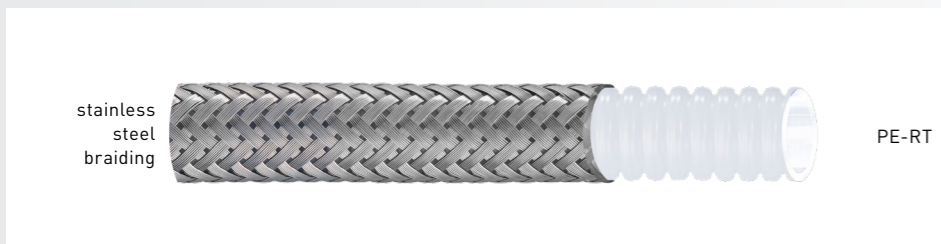
flow, stop and go®

**HYGIENIC
EXTRA-
FLEXIBLE**

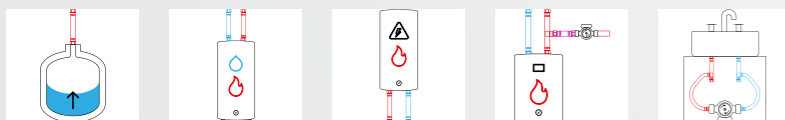


Neoperl FLEX CORE® hoses provide superior flexibility and kink resistance for tight-space HVAC installations, including inside heat pump appliances. The PE-RT inliner is odor-free and complies with worldwide **drinking water** requirements and approvals making FLEX CORE® a great solution for domestic hot water (DHW) systems up to 70°C / 158°F which includes today's high performance heat pump water heaters (HPWH).

Structure



Recommended Applications



Technical Specification

	DN8	DN13	DN20	DN25	DN32	DN40	DN50
Max. operating temperature	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F
Max. temperature	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F
Max. working pressure	10 bar 145 psi	10 bar 145 psi	10 bar 145 psi	10 bar 145 psi	6 bar 87 psi	6 bar 87 psi	4 bar 58 psi
Burst pressure	> 100 bar > 1450 psi	> 75 bar > 1088 psi	> 60 bar > 870 psi	> 45 bar > 653 psi	n/a	n/a	n/a
Tensile strength	> 1400 N > 315 lbf	> 2000 N > 450 lbf	> 4000 N > 899 lbf	> 5000 N > 1124 lbf	n/a	n/a	n/a
Bending radius	25 mm 1.0"	35 mm 1.4"	42 mm 1.7"	45 mm 1.8"	52 mm 2.0"	60 mm 2.4"	70 mm 2.8"
Outer diameter (braided)	12.5 mm 0.5"	16.8 mm 0.7"	26.1 mm 1.0"	31.5 mm 1.2"	34.9 mm 1.4"	42.5 mm 1.7"	54.3 mm 2.1"
Inner diameter of fitting	n/a	n/a	17 mm 0.7"	20 mm 0.8"	n/a	n/a	n/a
Flow rate (300 mm, 3 bar, open atmosphere)	28 l/min 7.4 gpm	60 l/min 15.9 gpm	n/a	n/a	n/a	n/a	n/a
Braiding	SST	SST	SST	SST	SST	SST	SST
Inlet + outlet fittings (see p. 6 for more)	3/8" and 1/2"	1/2" and 3/4"	3/4" and 1"	1"	1 1/4"	1 1/2"	2"