

**CORRUGATED FLEXIBLE
CONNECTORS FOR
PLUMBING, HEATING
AND AIR CONDITIONING**

**TWIST
O₂B**

**TWIST
O₂B
ACB**



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Connecting for life

TWIST O₂B



Fittings



DN	Male	Female	Standpipe	Elbow
10	3/8", 1/2"	3/8", 1/2"	10 mm	
13	1/2", 3/4"	1/2", 3/4"	15 mm	
19	3/4"	3/4"	22 mm	3/4"
25	1"	1"	28 mm	1"
32	1 1/4"	1 1/4"		
40	1 1/2"	1 1/2"		
50	2"	2"		

Other fitting options available under request.

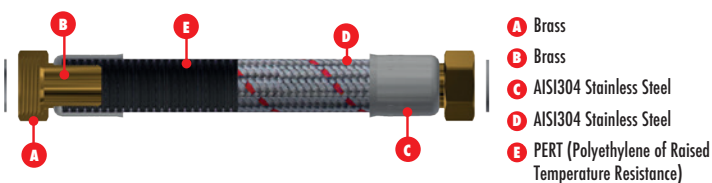
DN	Outer diameter	Inner diameter	Fitting inner diameter	Flow rate	Bending radius	Working Pressure at 90°C
10	14,5 mm	10 mm	7,5 mm	45 lit/min	20 mm	16 bar
13	17,5 mm	13 mm	10 mm	65 lit/min	25 mm	16 bar
19	25 mm	19 mm	15 mm	120 lit/min	25 mm	12 bar
25	32 mm	26 mm	21 mm	200 lit/min	45 mm	12 bar

Pressure/ temperature

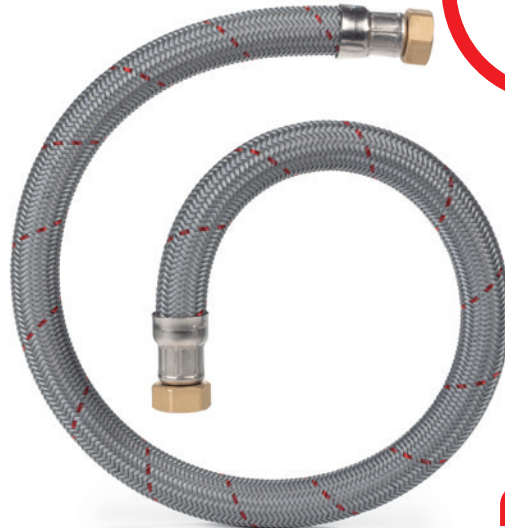
Air Conditioning & Heating

DN10, DN13: 25 bar/ + 60°C, 16 bar/ + 90°C
DN19, DN25: 16 bar/ + 60°C, 12 bar / + 90°C

Materials



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Anticorrosion braid

* product under development.

Fittings



DN	Male	Female	Standpipe	Elbow
13	1/2", 3/4"	1/2", 3/4"	15 mm	
19	3/4"	3/4"	22 mm	3/4"
25	1"	1"	28 mm	1"

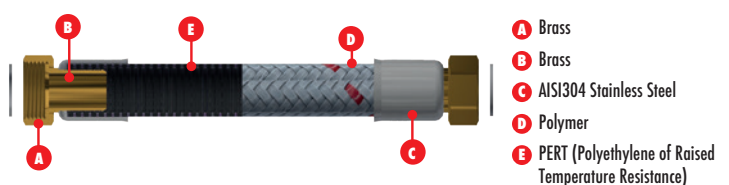
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19	25 mm	19 mm	15 mm	120 lit/min	25 mm	12 bar
25	32 mm	26 mm	21 mm	200 lit/min	45 mm	12 bar

Pressure/ temperature

Air Conditioning & Heating

DN10, DN13: 25 bar/ + 60°C, 16 bar/ + 90°C
DN19, DN25: 16 bar/ + 70°C, 12 bar / + 90°C

Materials



The ideal solution for hydronic heating and cooling systems.

Flexible connectors with oxygen barrier are the ideal solution for the installation of hydronic heating and cooling systems. Excessive oxygen entering the system can lead to premature failure of ferrous metal components due to corrosion and cause wide spread system failures. The oxygen barrier reduces drastically the amount of oxygen in the system, helping to prevent rust or corrosion in metal parts and avoiding the formation of biofilm and mud in the piping system due to water deterioration. This is key to keep the efficiency and rated energy saving of the heating and cooling systems, and helps to minimize the related maintenance operations.

Oxygen diffusion resistance according to DIN 4726

Oxygen diffusion into the pipe system increases the potential for corrosion in metal components. The oxygen barrier layer prevents oxygen to diffuse into fluids. It is integrated in the pipe by an extrusion process to ensure that oxygen cannot penetrate through the pipe wall over the time. The introduction of oxygen into the system could contribute to the hot and cold pressurized water pipework deterioration. DIN 4726 has been specifically developed to evaluate the diffusion of oxygen into refrigeration and heating systems.

(*) A pipe with no oxygen diffusion barrier has an oxygen permeability of more than 2g/m^3 .

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Excellent bending radius.
Does not collapse.
Guaranteed flow rate.

Provides huge cost savings to
builders as installation time is
reduced up to 40%.

Extremely light.
Easy to handle on site.

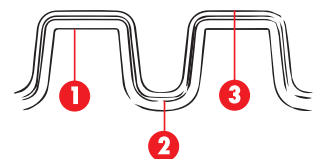
Permanent
leak-proof union.

The assembly by
means of simple push
fit couplings provides
excellent TOOL-FREE
connectivity in confined
spaces.

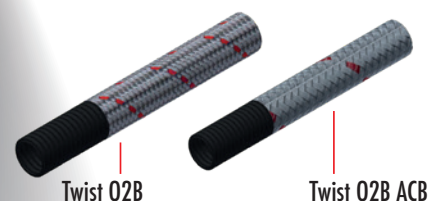
No risk of fire from blow
torch nor solder splatter.

100% Oxygen diffusion
proof. Tested to DIN4726.
Eliminates the risk of corrosion
in metal components.

Installation benefits

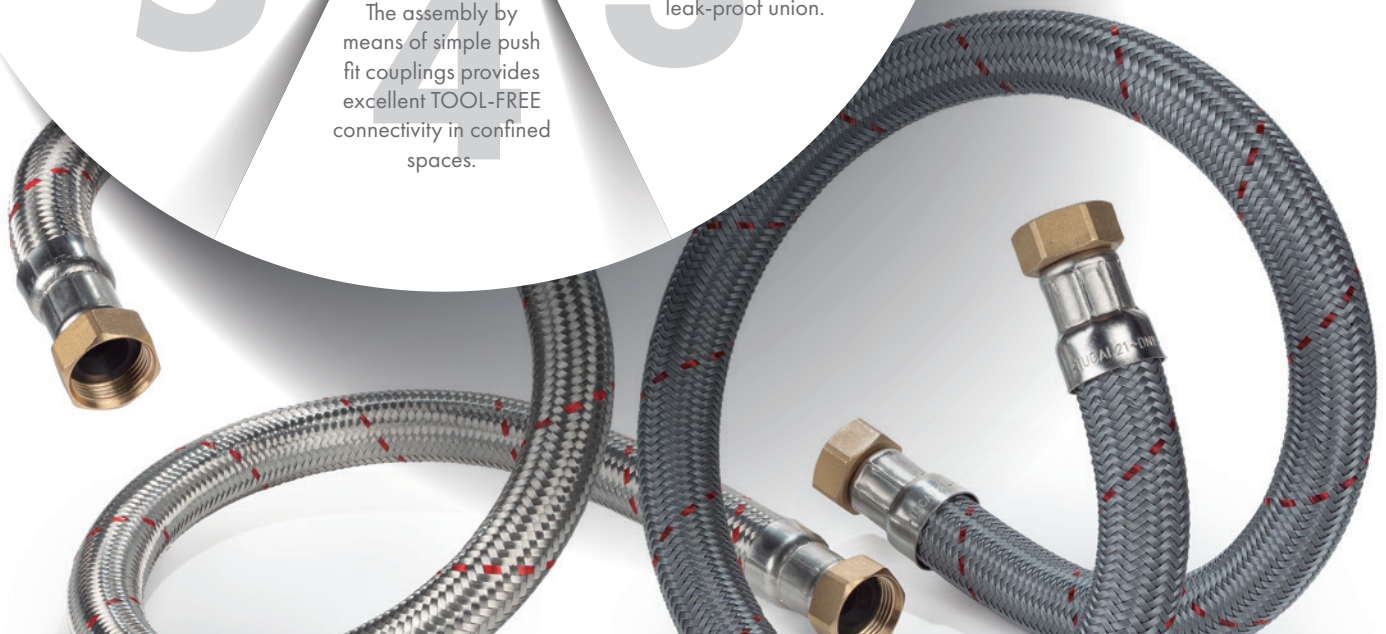


- 1 High Density Ethylene
- 2 Adhesive Layer
- 3 Oxygen Barrier



Twist O2B

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