



### PRODUCT









### FITTINGS

Dn	FITTING OPTIONS	FITTING OPTIONS
8	Male 3/8", Female 3/8", Elbow 3/8"	Pushfit 8 mm
10	Male 1/2", Female 1/2", Elbow 1/2"	Pushfit 10/12 mm
13	Male 1/2", Female 1/2", Elbow 1/2" Male 3/4", Female 3/4", Elbow 3/4"	Pushfit 12/15 mm
15	Male 1/2", Female 1/2", Elbow 1/2" Male 3/4", Female 3/4", Elbow 3/4"	Pushfit 15 mm
19	Male 3/4", Female 3/4", Elbow 3/4"	
25	Male 1", Female 1", Elbow 1"	
30	Male 1-1/4", Female 1-1/4"	

### APPLICATIONS



### MAIN DIMENSIONS

Dn	Outer Diameter (mm)	Inner Diameter (mm)	Fitting Diameter (mm)	Flow Rate (lit/min)	Bending Radius (mm)	Working pressure
						
8	13 mm	8 mm	6 mm	28 lit/min	35 mm	12 bar
10	15 mm	10 mm	7,2 mm	45 lit/min	40 mm	12 bar
13	18 mm	13 mm	9,5 mm	65 lit/min	55 mm	12 bar
15	21 mm	15 mm	12 mm	95 lit/min	65 mm	12 bar
19	26 mm	19 mm	15 mm	120 lit/min	80 mm	12 bar
25	33 mm	25 mm	20 mm	200 lit/min	100 mm	10 bar
30	41 mm	30 mm	25 mm	400 lit/min	190 mm	10 bar

### KEY FEATURES

Secure and reliable connection between a geothermal heat pump and a flow center or any other piping connection.

#### ● Oxygen Diffusion Proof

DIN 4726 TESTED

Oxygen diffusion tight. No risk of corrosion. No risk of formation of biofilm on the inner walls of the water circuit.

· According to DIN 4726, oxygen diffusion test results after thermal cycling should not exceed 0.32 mg/m<sup>2</sup>d at 40°C. A pipe with no oxygen diffusion barrier has an oxygen permeability of more than 2g/m<sup>3</sup>.

#### Stress Corrosion

- For brine circuits, the use of DZR brass alloy fittings is compulsory to prevent stress corrosion

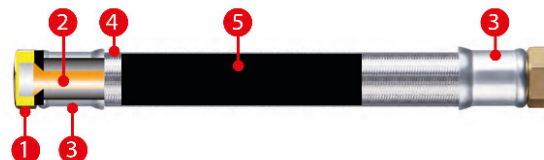
#### Mechanical Performance

- BUTYL O<sub>2</sub>B hoses endure the original equipment mechanical life cycle and operate in a wide range of temperature and pressure environment

#### Installation Benefits

- Minimization of vibration and noise.
- Extremely light - Easy to handle on site.
- Polymer braid – Corrosion free and thermal insulation increased.
- Outstanding flexibility – Easy to install.
- Permanent leak-proof union. No risk of fire from blow torch nor solder splatter.

### MATERIALS



- 1 Brass
- 2 Brass
- 3 Stainless steel AISI304
- 4 Stainless steel AISI304
- 5 BUTYL

### APPROVALS

TESTED TO

**DIN**  
**4726**

Not Suitable for drinking water

Pressure /  
Temperature

DN10, DN13: 16 bar/+60°C, 12 bar/ 90°C  
DN19, DN25: 16 bar/+60°C, 10 bar/ 90°C