

Silicone

Venair Tube

Venair Silicone Tube

Construction:

- Interior: Blue silicone sheet, 1.3mm in thickness
- Exterior: 3 ply blue silicone, reinforced with polyester net.
Ends: Flat Others: 45°, 90° & 135° Elbows and Reducers are also available
- Length: Standard: 1m & 4m
- Smooth outward and inner appearance.
- Temperature Rating: -55°C to +200°C (also available rating of -60° to +230°C upon request)
- Applications: This silicone tube has been specially developed for pressurised air or water conduction at high temperatures. Wherever good resistance levels to high temperatures are required, the use of a silicone hose will prove more advantageous than a conventional rubber version, due to its high resistance to decay, and permanent quality of its mechanical features
- Advantages: Highly resistant to ozone. Not affected by anti-freeze or anti-rust liquids
- Highly resistant to hardening with very good compression characteristics. The material of these tubes has an extended life and reduce maintenance problems
- Although resistant to oil/fuel staining this product must not be used for oil/fuel transfer



| Ø (mm) | Wall (mm) | Radius Bending (mm) | Working Pressure (bar) | Burst Pressure (bar) |
|--------|-----------|---------------------|------------------------|----------------------|
| 6 | 4.2 | 25 | 11.5 | 35 |
| 8 | 4.2 | 33 | 11.5 | 35 |
| 10 | 4.2 | 40 | 9.5 | 29 |
| 13 | 4.2 | 55 | 8.5 | 26 |
| 16 | 4.2 | 70 | 7.2 | 22 |
| 18 | 4.2 | 80 | 6.6 | 20 |
| 19 | 4.2 | 85 | 6.6 | 20 |
| 22 | 4.2 | 100 | 5.9 | 18 |
| 25 | 4.2 | 140 | 5.6 | 17 |
| 28 | 4.2 | 200 | 5.2 | 16 |
| 30 | 4.2 | 230 | 4.9 | 15 |
| 32 | 4.2 | 260 | 4.9 | 15 |
| 35 | 4.2 | 300 | 4.6 | 14 |
| 38 | 4.2 | 320 | 4.2 | 13 |
| 40 | 4.2 | 350 | 3.9 | 12 |
| 44 | 4.2 | 350 | 3.9 | 12 |
| 45 | 4.2 | 500 | 3.9 | 12 |
| 48 | 4.2 | 500 | 3.6 | 11 |
| 50 | 4.2 | 500 | 3.6 | 11 |
| 51 | 4.2 | 500 | 3.3 | 10 |
| 53 | 4.2 | 500 | 3.3 | 10 |
| 55 | 4.2 | 500 | 3.3 | 10 |
| 57 | 4.2 | 500 | 3.3 | 10 |
| 60 | 4.2 | 500 | 2.9 | 9 |
| 62 | 4.2 | 500 | 2.9 | 9 |
| 63 | 4.2 | 500 | 2.8 | 8.5 |
| 65 | 4.2 | 500 | 2.8 | 8.5 |
| 70 | 4.2 | 500 | 2.8 | 8.5 |
| 76 | 4.2 | 500 | 2.6 | 8 |
| 80 | 4.2 | 500 | 2.6 | 8 |
| 82 | 4.2 | 500 | 2.6 | 8 |
| 90 | 4.2 | 500 | 2.3 | 7 |
| 100 | 4.2 | 500 | 2.3 | 7 |

Material Identification:

Z = Zinc Plated Mild Steel **EN** = Electroless Nickel Plated Mild Steel **HC** = Stainless Steel **D** = Aluminium **TI** = Titanium Alloy **B** = Brass



Flexible Ducting Hose

Type HT

Construction:

- Layer of Silicone coated with Steel wire spiral visible inside the hose

Temperature Rating:

- -55°C to +260°C (for short time scale 300°C)

Applications:

- These hoses have been developed for applications where the dissipation of heat is essential
- Where sheathing of pipework or cabling from high temperature is imperative
- Cockpit heating
- Fume extraction



| Diameter (Internal) (mm) | Working Pressure (kp x cm ²) | Vacuum Resistance (mm/water col.) | Bend Radius (mm) | Weight per metre (g) |
|--------------------------|--|-----------------------------------|------------------|----------------------|
| 25 | 1.7 | 5200 | 9 | 0.16 |
| 50 | 1.2 | 4400 | 17 | 0.32 |
| 70 | 1.1 | 3400 | 27 | 0.46 |
| 100 | 0.9 | 2600 | 34 | 0.66 |
| 150 | 0.8 | 1400 | 51 | 0.99 |
| 200 | 0.5 | 700 | 68 | 1.32 |
| 250 | 0.4 | 500 | 85 | 1.66 |
| 300 | 0.1 | 300 | 102 | 2.00 |

Flexible Ducting Hose

Type MT

Construction:

- Layer of Glass Fabric with Neoprene coated with Steel wire spiral visible inside the hose

Temperature Rating:

- -55°C to +125°C (for short time scale 150°C)

Applications:

- These hoses have been developed for air cooling systems ventilation or air conditioning
- Fume extraction



| Diameter (Internal) (mm) | Working Pressure (kp x cm ²) | Vacuum Resistance (mm/water col.) | Bend Radius (mm) | Weight per metre (g) |
|--------------------------|--|-----------------------------------|------------------|----------------------|
| 25 | 1.7 | 5200 | 9 | 0.16 |
| 50 | 1.2 | 4400 | 17 | 0.32 |
| 70 | 1.1 | 3400 | 27 | 0.46 |
| 100 | 0.9 | 2600 | 34 | 0.66 |
| 150 | 0.8 | 1400 | 51 | 0.99 |
| 200 | 0.5 | 700 | 68 | 1.32 |
| 250 | 0.4 | 500 | 85 | 1.66 |
| 300 | 0.1 | 300 | 102 | 2.00 |