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Vena HOSE SIL 800 - 180 high pressure

HOSES › Silicone rubber hoses and sleeves

This hose is especially recommended for heating and cooling systems in vehicles and in the industrial sector and for places where high pressure resistance is required and where a high degree of flexibility is required. This hose is able to transport liquids or semi-liquids by impulse or suction, as its structure can withstand pressure or vacuum.

STRUCTURE:
VMQ (Vinyl Methyl Quality) quality silicone with two polyester fabric reinforcements and steel wire spiral inside
WALL THICKNESS : 4.2mm (1.00/-0.50mm)

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PROPERTY':
- Not affected by antifreeze or rust inhibitors.
- Excellent resistance to thermal aging and oxidizing agents (oxygen, ozone, UV).
- Highly temperature resistant with excellent compression characteristics.
- Corrugated internal and external appearance. On request, it can also be supplied in other colours.
- Operating temperature range from -50°C (-58 F) to +180°C (356 F), can reach up to 200°C (392 F) during short periods of time.
- Product usually manufactured in 4m lengths, but can be manufactured in shortened lengths with smoothed ends.
- The working pressure and breaking load were determined by pressure tests according to ISO 1402/2009.
- The vacuum resistance for this hose is 0.80 bar (11.60 psi)
- Standard color Blue, also available in other colors on request.

LIMITATIONS:
Observe the bending radius and the values established for the working pressure. Diesel and oil stains do not damage the pipes, but they must not be used to transport fuel or oil, nor immersed in these liquids. Pay attention to the chemical compatibility of the fluid with silicone. This product is not recommended for transporting abrasive particles.

CERTIFICATIONS:

- Meets or exceeds SAE J20 R1 Class A operating requirements.
- The silicone for this hose is classified as M1 according to the UNE 23.727-90 standard and as F2 according to NF F 16-101.
- The burning, smoke and dripping class of this reference is S-3, SR-2 and ST-2 according to DIN 54837: 2007 test standard and DIN 5510-2: 2009 classification standard

Dimensions hole mm	Pressure of work bar	Pressure of explosion bar	Radius of curvature mm
6	12.5	37.4	46
8	11.4	34.1	46
10	10.5	31.4	46
16	8.6	25.9	49
18	8.20	24.5	51
25	6.90	20.7	59
28	6.40	19.3	64
30	6.20	18.5	67
32	5.90	17.8	71
38	5.20	15.7	84
40	5.0	15.1	89
42	4.9	14.6	94
45	4.6	13.7	103
51	4.1	12.3	122
52	4.0	12.0	125
53	3.9	11.8	129
55	3.8	11.4	136
60	3.5	10.4	156
63	3.3	9.8	168
70	2.8	8.5	200
76	2.5	7.6	231
80	2.3	7.0	253
90	1.9	5.6	313
100	1.5	4.4	380