

# VENA<sup>®</sup> SIL 200/240

## Straight hose



> **MATERIAL:**  
Silicone VMQ (Vinyl Methyl Quality)

### > CERTIFICATIONS:

- > SAE J20 R1 Class A.
- > Material used is in accordance with EU Directive 2015/863 for Restriction of the use of hazardous substances (RoHS 3).

### > CONSTRUCTION:

- **SIL 200:**  
3 plies of polyester fabric.
- **SIL 240:**  
4 plies of polyester fabric.
- It can also be supplied with another type of textile reinforcement (Aramid,

fiberglass).

### > STANDARD WALL THICKNESS:

- SIL 200: 4,3mm (+1/-0,5mm) | 0,17" (+0,04/-0,02")
- SIL 240: 5,3mm (+1/-0,5mm) | 0,20" (+0,04/-0,02")

### > STANDARD LENGTH:

From 1 to 4m (3,8 to 13,12ft). Can be cut to smaller lengths upon customer request.

### > OUTER APPEARANCE:

Smooth outer and inner appearance.

### APPLICATIONS:

Suitable for use in straight lengths, with no bending requirements. It is especially recommended for pressurized air or water conduction at high temperatures, it can be used in vehicles and in the industrial sector. For use in cooling and heating systems in buses, coaches, trucks, industrial vehicles, cooling systems in cogeneration units and marine engines, and transport of high temperature fluids in general industry.

\* Not indicated for working at vacuum applications.



### TEMPERATURE RANGE:

-55°C / +180°C  
(-67°F / +356°F)



**TECHNICAL TABLE**  
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### STRAIGHT REDUCER

Standard length:  
100mm/150mm  
(4"/6")



### ELBOW 90° / 45° / 135°

Standard length:  
Length of legs:  
100mm/150mm/200mm  
(4"/6"/8")



### REDUCER ELBOW 90°

Standard length:  
Length of legs:  
100mm/150mm  
(4"/6")



## ELBOW 90° / 45° / 135°

**Material:** Silicone VMQ (Vinyl Methyl Quality).  
**Textile reinforcement:** 3 ply polyester net.  
**Temperature range:** -60° to +180°C.  
**Standard wall thickness:** 4,2mm (+1/-0.5mm).  
**Length of legs (mm):**  
 100x100 / 150x150 / 200x200.  
 Plain outer and inner appearance.



45°



90°

Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)
6	↑ 100x100 150x150 200x200 ↓	35	↑ 100x100 150x150 200x200 ↓	60	↑ 100x100 150x150 200x200 ↓
8		38		62	
10		40		63	
13		44		65	
16		45		70	
19		48		75	
22		50		76	
25		51		80	
28		53		85	
30		55		90	
32	57	95	100		



135°

## REDUCER ELBOW 90°



**Material:** Silicone VMQ (Vinyl Methyl Quality).  
**Textile reinforcement:** 3 ply polyester net.  
**Temperature range:** -60° to +180°C.  
**Standard wall thickness:** 4,2mm (+1/-0.5mm).  
**Length of legs (mm):** 100x100 / 150x150.  
 Plain outer and inner appearance.

Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)
25 / 19	↑ 100x100 150x150 ↓	60 / 50	↑ 100x100 150x150 ↓
32 / 25		63 / 51	
38 / 25		70 / 50	
38 / 32		70 / 60	
38 / 35		76 / 51	
51 / 45		76 / 63	

## VENA TECHNOSIL SAE J20R3 Class A (HEATER HOSE)



**Material:** Silicone VMQ (Vinyl Methyl Quality).  
**Textile reinforcement:** polyester braiding  
**Temperature range:** -60°C a +180°C  
**Wall thickness:** variable, depending on diameter.  
**Length:** standard rolls of 76,2m (250 ft.) delivered in a wood spool. Other lengths are possible upon request.  
 Extruded hose with plain outer and inner appearance. Meets the requirements of SAE J20R3 Class A standard for cooling systems in the automotive industry.

Inner Diameter (mm)	Outer diameter (mm)	Working pressure (bar) water at 20°C	Bursting pressure (bar) water at 20°C	Vacuum pressure (kPa)
6,3	13,2	9,60	28,80	95
7,9	15,0	8,80	26,50	95
9,5	16,6	7,70	23,00	95
12,7	20,3	6,80	20,30	90
15,8	24,5	5,90	17,80	70
19	27,9	5,10	15,20	70
22	31,3	5,00	15,00	70
25,4	34,5	4,90	14,80	55
28	38,0	4,40	13,20	20
32	43,0	3,90	11,80	16