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## CSKS 670



### **CONSTRUCTION :**

VMQ silicone hose (Vinyl Methyl Quality) in compliance with FDA 21 CFR 1772600 and BGA Class XV, manufactured upon request in silicone with platinum catalysis in compliance with USP Class VI (United State Pharmacopoeia with four polyester reinforcements and one covered spiral inside the hose.

**Inner surface:** Translucent and smooth.

**Outer surface:** Translucent, white or in color and corrugated. If required by the customer, we can supply 670 series with smooth ends to allow crimping fittings.

**Reinforcement:** 4 Polyester layers & 302L S.S. spiral

**Temperature:** The recommended working temperatures is between -60°C and 200°C (-76°F & 356°F)

**Manufacturing Length:** Standard length is 4.00 meters (on request, 6.00m length in some dimensions)

**Application:** Dynamic use, short bending radius with frequent handling operations.  
Extremely flexible, even in large diameters

**Dimension:** manufactured in the following diameters: 6-8-10-13-16-18-20-22-25-28-32-35-38-40-42-45-50-55-63-76-90-100 mm.

**Properties:** These Hoses are usually translucent. However, in order to distinguish the products conveyed through the Hose, they can also be manufactured so that the outer of the Hose is as per the desired color

Hoses can be sterilized with hot air at +250°C (+482°F) or steam at +135°C (+275°F), at 3.5bar.  
Maximum recommended time: 1 hr 30m. at +135°C (+275°F)



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| Inner diameter (mm) | Wall thickness (mm)       | External diameter (mm) | Bending radius (mm)<br>ISO 1746/1983 | Operating pressure (bar) |               | Vacuum Resistance        |
|---------------------|---------------------------|------------------------|--------------------------------------|--------------------------|---------------|--------------------------|
|                     |                           |                        |                                      | à 20°C/at 20°C           |               |                          |
|                     |                           |                        |                                      | ISO 1402/1994            | ISO 1402/1994 |                          |
|                     | <b>Tolerance +1,0-0,5</b> |                        |                                      |                          |               |                          |
| 6                   | 5.0                       | 16                     | 41                                   | 13.6                     | 41            | <b>mmHg</b><br>-684      |
| 8                   | 5.0                       | 18                     | 43                                   | 12.6                     | 38            |                          |
| 10                  | 5.0                       | 20                     | 46                                   | 11.6                     | 35            |                          |
| 13                  | 5.0                       | 23                     | 50                                   | 10.3                     | 31            |                          |
| 16                  | 5.0                       | 26                     | 54                                   | 9.6                      | 29            | <b>bar</b><br>-0,912     |
| 18                  | 5.0                       | 28                     | 57                                   | 9.0                      | 27            |                          |
| 20                  | 5.0                       | 30                     | 60                                   | 8.6                      | 26            |                          |
| 22                  | 5.0                       | 32                     | 64                                   | 8.3                      | 25            |                          |
| 25                  | 5.0                       | 35                     | 69                                   | 7.6                      | 23            | <b>Torr kp</b><br>-0,930 |
| 28                  | 5.0                       | 38                     | 75                                   | 7.3                      | 22            |                          |
| 32                  | 5.0                       | 42                     | 84                                   | 6.6                      | 20            |                          |
| 35                  | 6,3                       | 47,6                   | 92                                   | 6.3                      | 19            |                          |
| 38                  | 6.3                       | 50,6                   | 100                                  | 6.0                      | 18            | <b>ATM</b><br>-0,900     |
| 40                  | 6.3                       | 52,6                   | 105                                  | 5.6                      | 17            |                          |
| 42                  | 6.3                       | 54,6                   | 111                                  | 5.3                      | 16            |                          |
| 45                  | 6.3                       | 57,6                   | 121                                  | 5.3                      | 16            |                          |
| 50                  | 6.3                       | 62,6                   | 139                                  | 4.6                      | 14            | <b>PSI</b><br>-13,05     |
| 51                  | 6.3                       | 63,6                   | 143                                  | 4.6                      | 14            |                          |
| 63                  | 6.3                       | 75,6                   | 200                                  | 3.6                      | 11            |                          |
| 76                  | 6.3                       | 88,6                   | 288                                  | 3.0                      | 9             |                          |
| 90                  | 6.3                       | 102,6                  | 425                                  | 2.3                      | 7             | <b>inHg</b><br>-26,58    |
| 100                 | 6.3                       | 112,6                  | 562                                  | 1.6                      | 5             |                          |

Upon request, the hose 650 series may be provided with stainless steel outer braiding 304L, thus allowing better resistance to mechanical stress.

we can provide any other customized diameters ( please fell free to contact us)  
Reduce the specified pressure by 20% by 100°C-increment in temperature

**The specifications or design are subject to change without prior notice.**