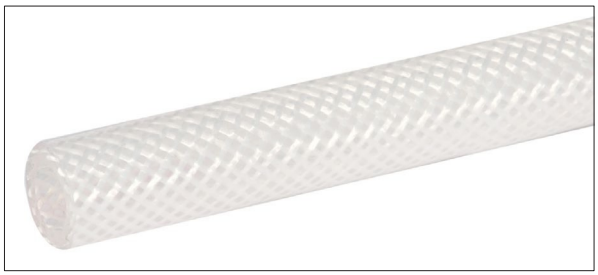
Silicone hoses for pharmaceutical and biotechnology applications



Sani-Tech® STHT® -R

Pressure hose for biotechnology applications Inner

layer:	translucent silicone
Reinforcement:	textile braid
Outer layer:	Translucent silicone
Hardness:	65 Shore (A)
Density:	1.21 g/cm3
Operating temperature:	-62°C to +260°C

Highest quality platinum vulcanised pressure silicone hose for biotechnology applications. Made from ultra-pure biopharmaceutical grade silicone with a hardness of 65 (like STHT- 65 hose), reinforced with a high-strength braid. The hose is manufactured in a certified Class 7 *cleanroom* with full process and product traceability. Very flexible, with an extremely smooth inner and outer surface. Resistant to high temperatures, ozone, radiation, moisture, weathering. Does not adsorb or absorb odour or taste. Used for sterile filling and flow of substances with the required high purity: blood products, medicines, cell cultures, laboratory fluids, biopharmaceutical processing products.
It can be repeatedly sterilised by autoclaving (highly recommended), as well as by ethylene oxide or by radiation (up to 5.0 Mrad - 50 Kgray). Not to be used for continuous steam operation. Not recommended for use with hot oil or acids.
Biocompatible - complies with USP <88> Class VI, and/or USP <87>, and/or ISO 10993-5, European Pharmacopoeia 3.1.9. Hygienic properties are confirmed by the BPOG extractability report and the Saint-Gobain validation guide for this hose.
Assembly - with AISI 316 steel hygienic lugs clamped with collets or with special plastic hygienic lugs, clamped or welded / vulcanised. Recommended pressure safety ratio 4:1.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure 20°C [bar].	Bursting pressure 20°C [bar].	bend radius [mm]	mass [kg/m]	Standard roll length [m]
VE-STHT-R-0125*	3,2	9,0	2,9	13,4	53,6	7,4	0,067	7,5; 15
VE-STHT-R-0187*	4,8	11,4	3,3	11,2	44,6	16,0	0,099	7,5; 15
VE-STHT-R-0250	6,4	12,7	3,2	10,3	41,2	9,7	0,113	7,5; 15
VE-STHT-R-0375	9,5	15,9	3,2	10,1	40,1	29,0	0,150	7,5; 15
VE-STHT-R-0500	12,7	22,2	4,7	13,3	53,0	26,7	0,305	7,5; 15
VE-STHT-R-0625	15,9	25,4	4,7	10,9	43,5	41,1	0,354	7,5; 15
VE-STHT-R-0750	19,1	28,6	4,7	6,4	25,6	66,3	0,427	7,5; 15
VE-STHT-R-0875	22,2	31,8	4,7	5,4	21,7	88,1	0,479	7,5; 15
VE-STHT-R-1000*	25,4	34,9	4,7	4,3	17,0	112,3	0,538	7,5; 15

Notes: * - minimum order quantities apply.



Sani-Tech hose® STHT® -R with AISI 316 stainless steel TRICLOVER hygienic ends permanently clamped with stainless steel collets is designed for advanced pressure applications in biotechnology and pharmaceutical industries.