



Sani-Tech® Ultra-HP

High Purity Silicone Vacuum Hose

FEP-lined silicone hose for high purity biopharmaceutical applications

Sani-Tech® Ultra-HP hose is a multi-layer silicone hose product with an inner FEP liner constructed using the same raw material as PharmaFluor® FEP tubing. The smooth, low sorption liner provides a high purity fluid path that is easy to clean and sanitize. The lightweight construction provides easy installation in bioprocess applications and the helical 316L stainless steel wire enables use under full vacuum conditions. The high purity jacket made from Sani-Tech® Ultra silicone provides the ultimate in flexibility. State-of-the-art manufacturing techniques ensure tight dimensional tolerances, making assembly simple and repeatable.

Extremely low extractables

The inner FEP fluoropolymer liner of Sani-Tech® Ultra-HP is a highly chemically resistant material, fully bonded to the silicone outer jacket using patented technology developed by Saint-Gobain. Made without plasticizers or oils, the liner has an extremely low level of extractables, maintaining the integrity of even the most sensitive fluids. The silicone outer jacket is made from Sani-Tech® Ultra silicone, the next generation in high purity silicone formulations. Highly pure materials combined with robust quality controls allow Sani-Tech Ultra-HP to perform to the highest levels when used in bioprocessing applications.

Fully Characterized and Biocompatible

Sani-Tech® Ultra-HP hose comes complete with biocompatible, physiochemical and extractable testing which can be found in the Validation Guide Summary on the Saint-Gobain Bioprocess Solutions website.

Features / Benefits

- Smooth inner bore for improved cleaning and sanitization
- Fluoropolymer liner minimizes binding of biological materials
- High purity materials with low TOCs, extractables and leachables
- Broad chemical resistance
- Light weight and flexible
- Low force to bend
- Simple assembly procedure
- Temperature rating -65°F (-54°C) to 350°F (177°C)
- Available in lengths up to 12 feet

Typical Applications

- Bioprocessing
- Load cells
- Product transfer
- SIP/CIP

Connections

- BPE compliant 316L Stainless Steel sanitary fittings – standard

Hose Identification System

- Optional SANIseal™ silicone hose labeling
- Optional laser marking on crimp collar

Sani-Tech® Ultra-HP High Purity Hose Inventory Sizes

Part Number	Nominal ID inches (mm)	Nominal OD inches (mm)	Nominal Wall inches (mm)	Maximum Working Pressure PSI (bar) at 68°F	Minimum Bend Radius inches (mm)	Typical Weight lb/ft (kg/m)	Vacuum Rating in. (mmHg)
STHT-HP-0500	0.50 (13.0)	0.80 (21.0)	0.16 (4.0)	150 (10.3)	5 (130)	0.3 (0.5)	29.9 (760)
STHT-HP-0750	0.75 (19.0)	1.00 (27.0)	0.16 (4.0)	150 (10.3)	6 (150)	0.4 (0.6)	29.9 (760)
STHT-HP-1000	1.00 (25.0)	1.50 (38.0)	0.25 (6.0)	150 (10.3)	7 (180)	0.4 (0.6)	29.9 (760)
STHT-HP-1500	1.50 (38.0)	2.00 (51.0)	0.25 (6.0)	150 (10.3)	12 (305)	0.7 (1.1)	29.9 (760)
STHT-HP-2000	2.00 (51.0)	2.50 (64.0)	0.25 (6.0)	150 (10.3)	13 (330)	1.1 (1.6)	29.9 (760)

Recommend working pressure is based on a 1 to 4 working to minimum burst pressure

Sterilization Methods

- Steam-In-Place (SIP)
- Radiation – (up to 50 kGy)
- Gas – ethylene oxide

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IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics products for all intended uses and that the materials to be used comply with all applicable medical regulatory requirements. Saint-Gobain Performance Plastics assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: For a period of 12 months from the date of first sale, Saint-Gobain Performance Plastics warrants this product to be free of defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof.

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