



Certificate No. 6872

Silicone Hose Assembly

PC-SSHW - Platinum Cured Silicone Rubber Vacuum & Delivery Process Hose

Puresil PC-SSHW Hose Assemblies are produced from the highest quality Platinum Cured Silicone and are fitted with our unique range of specialised 316 Stainless Steel 'Safe-Lok' hygienic swaged end fittings with full material batch traceability, making them the ideal hose assemblies for Pharmaceutical & High Purity Applications.

Specifically designed for bulk transfer, high-pressure, and vacuum process applications, PC-SSHW hoses feature a USP Class VI & FDA approved Platinum Cured Silicone hose liner for the highest levels of cleanliness when in contact with critical products

PC-SSHW hoses are also wire-reinforced with a close-pitch Helical Stainless Steel wire which allows maximum flexibility, without causing the hose to kink. The smooth outer surface ensures optimum clean-ability. PC-SSHW Silicone Hose Assemblies are suitable for CIP Cleaning, Steam Sterilisation and Autoclaving.

Puresil-Techniflex Silicone hoses can also be supplied with re-usable Sanitary and Hygienic end connections - offering substantial cost savings on future hose replacements.

- Manufactured to suit hose lengths of up to 24 feet long (7.30m).
- Can be supplied in sizes from 6.0mm up to 200mm NB.
- Total Batch lot material traceability on all components of hose construction.
- Broad Temperature range from -50°C to +150°C.
- Pressure range from 8 to 14 Bar (depending on required NB size).
- Can be cleaned by SIP, CIP or autoclaved.



Hose I/D	Hose O/D	Wall Thickness	Bend Radius	Working Pressure (max, Bar.)	Vacuum Rating (InHg)
1/2" (12.7mm)	23.1mm	5.2mm	60mm	14	30
3/4" (19.1mm)	31.05mm	6.0mm	80mm	14	30
1" (25.4mm)	37.8mm	6.2mm	90mm	10	30
1.5" (38.1mm)	50.3mm	6.2mm	120mm	10	30
2" (50.8mm)	63.2mm	6.2mm	170mm	10	30
2.5" (63.5mm)	75.9mm	6.2mm	220mm	10	30
3" (76.2mm)	90.2mm	7.0mm	270mm	10	30
4" (101.6mm)	118.0mm	8.2mm	390mm	8	30



Safe-Lok End Fittings

Sanitary and Hygienic Swaged Hose Fittings and End Connections

All PTFX Hygienic and High Purity Hose Assemblies are supplied with our range of Safe-Lok Sanitary and Hygienic Swaged Hose Fittings and End Connections.

Safe-Lok end connections have been specifically designed to eliminate crevices and bacteria traps where the end connections are crimped into the ends of the hose, this ensures that the products transferred do not become entrapped between the hose insert and the hose liner; offering a smooth transitional flow of all medias.

A wide range of end connections are available including Tri-Clover (Sanitary Clamp), BSP, RJT, DIN, IDF, SMS, ILC; Male & Female ends in sizes ranging from 1/4" (6.4mm) to 4" (101.6mm) N/B.

The Safe-Lok hose ends have been specially produced for use with Pharmaceutical, Biotechnological, Cosmetic and Food applications.

All straight fittings are made from one-piece machined from 316 Stainless Steel. 90° and 45° elbow fittings and special ends are all hygienically welded and polished to a high standard. This concept is compatible with most standard CIP and SIP in line cleaning systems. No strip down of the hose is necessary for cleaning.

The standard machined internal surface finish of Puresil- Techniflex end fittings is 05µM Ra or better, improved surface finishes can be achieved by Electro Polishing.

Each Puresil-Techniflex assembly is marked with a unique reference code to ensure maximum traceability of all components. For complete control & piece of mind over all hose records for each hose on site, ask us about our Hose Register, Inspection & Maintenance services.

