



SMOOTH, WHITE, HEAT RESISTANT, GLOSSY COVER SILICONE

STAINLESS STEEL WIRE HELICES

SYNTHETIC PLIES

SMOOTH, CO-EXTRUDED CLEAR/WHITE PIGMENTED TEFLON™ PTFE



Certificate No. 6872

Ultraflon SB-SC

Smooth Bore Pharmaceutical Grade PTFE Process Hose

PTFX Ultraflon SB-SC is a completely smooth bore Food & Pharmaceutical grade hose. It features an extruded Teflon PTFE liner with excellent resistance to chemicals, high temperature, mechanical stress and to oxidation. The Teflon PTFE liner complies with FDA, USP Class VI & 3A Standards. The vulcanised Silicone outer cover is easy to clean and is also FDA compliant, making it the ideal hose for Food, Bio, Pharmaceutical and Cosmetic Industries.

Ultraflon SB-SC is constructed with a fully smooth bore Teflon PTFE (polytetrafluorethylene) liner with a synthetic plies and a Stainless Steel wire helix reinforcement, which ensures a high flexibility, good vacuum capabilities, superior flow rates and improved drain-ability whilst maintaining an excellent bend radius without the risk of kinking. This offers huge benefits over other convoluted hose designs.

Ultraflon SB-SC hoses are also available with both natural & antistatic PTFE Hose Liners.

Sizes from 1/2" to 4" available, continuous lengths up to 10m.

Chemically Inert: Teflon is the most chemically compatible material on the market; totally non-corroding and non-oxidising.

Non-Aging: Unaffected by time, weather or UV radiation. Will not age in service.

Temperature Rated: -40°C to +150°C.

Pressure Rated: Up to 10 Bar working pressure (4:1 safety factor for burst pressure).

Non-Absorbent: Teflon PTFE surface minimises the absorption of materials such as colour extracts, essential oils or proteins. The tube does not discolour. Moisture absorption: <0.01% Non-corroding and non-oxidising.

Hose Liner Approvals: FDA 21 CFR 177.1550, USP XXXVI class VI, ISO 10993 Sections 5, 10, 11 :2009, EUROPEAN REGLEMENT 1935/2004/CE AND 10/2011/CE, 3A Sanitary Standard Class II.



Hose I/D	Hose O/D	Bend Radius	Working Pressure (Bar.)	Weight (approx.) Kg/m
1/2" (13mm)	24mm	45mm	10	0.47
3/4" (19mm)	30mm	70mm	10	0.61
1" (25mm)	36mm	90mm	10	0.76
1.25" (32mm)	43mm	120mm	8	0.93
1.5" (38mm)	50mm	140mm	7	1.26
2" (50mm)	62mm	180mm	7	1.6
2.5" (63.5mm)	79.5mm	320mm	6	2.69
3" (75mm)	91mm	380mm	5	3.24
4" (100mm)	117mm	580mm	4	5.06

Data refer to ambient temperature (20°C); we recommend a reduction of 20% working pressure for every 100°C of temperature increase. Other diameters, wall thickness and pressure only on specific request.



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.

