



Certificate No. 6872

# Ultraflon

## Food & Pharma Grade PTFE Process Hose

PTFX Ultraflon are food & pharmaceutical grade hoses extruded from PTFE resin. They are constructed with a rounded low profile convoluted design offering superior flow rates and improved drain-ability akin to a smooth bore PTFE hose, whilst allowing an excellent bend radius without the risk of kinking. This offers huge benefits over other convoluted hose designs.

Ultraflon features a hygienic non-convoluted PTFE (polytetrafluorethylene) liner with Stainless Steel helix and an outer high tensile Stainless Steel braid, which ensures a high flexibility, exceptionally good vacuum capabilities and kink resistance properties for extreme performance.

Ultraflon hoses are also available with a food grade Silicone outer cover for easy clean-ability, making it ideal for Food, Bio, Pharmaceutical and Cosmetic Industries.

Available with both natural & antistatic PTFE Hose Liners.

Sizes from 1/4" to 2" available from stock.

**Chemically Inert** - The most chemically compatible material known to man; totally non-corroding and non-oxidising.

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

**Temperature Rated** - -73°C to +260°C, Can be repeatedly – auto-claved; ideal for steam or hot oil applications. Suitable for radiation or other sterilisation methods.

**Non-Absorbent** - 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.

**Approvals** - FDA 21CFR177.1550.



Hose I/D	Hose O/D	Bend Radius	Working Pressure (max, Bar.)	Weight (approx.) Kg/m
1/4" (6.8mm)	9.6mm	19mm	88	0.092
3/8" (10.0mm)	13.5mm	25mm	80	0.16
1/2" (13.6mm)	17.5mm	38mm	60	0.23
5/8" (16.7mm)	21.1mm	50mm	50	0.34
3/4" (19.8mm)	24.2mm	63mm	42	0.38
1" (26.0mm)	31.7mm	75mm	40	0.54

Figures shown refer to Ultraflon hose with Stainless Steel outer braid, O/D and bend radius will increase with a Silicone outer cover.

**PTFX**  
PURESIL TECHNIFLEX

Bespoke Hygienic & High Purity Process Solutions

Puresil-Techniflex Limited, Security House, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7PA

Telephone: 0151 548 4000 Email: [sales@ptfx.co.uk](mailto:sales@ptfx.co.uk) Web: [www.ptfx.co.uk](http://www.ptfx.co.uk)



# 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.

