ISO 9001 REGISTERED
UKAS MANAGEMENT SYSTEMS 0060
Certificate No. 6872

# Non-Glass Sight Glasses

## Hygienic Sight Glass Assemblies and Sight Level Indicators

PTFX Non-Glass Sight Glasses are specifically designed to aid visual flow of product transfer and tank level readings.
They are manufactured from transparent heavy wall extruded FEP Tubing, allowing a strong, shatter-proof solution for visual aided transfer requirements. FEP offers excellent chemical resistance and an operating temperature window from -60°C to +150°C.
All PTFX Non-Glass Sight Glasses are supplied fitted with our range of hygienically swaged Safe-Lok Fittings in 316 Stainless Steel, or as an integral part of a hose assembly.
PTFX Sight Glasses can be supplied I both virgin and anti-static materials to suit drum filling drum emptying applications.
Sight Glass Assemblies can also be supplied fitted with a Stainless Steel outer guard to significantly increase pressure capabilities.

- Available in sizes ranging from 1/8" up to 6" I/D.
- Working pressure up to 20.0 Bar (300 PSI).
- Temperature range from -60°C to +200°C.
- Suitable for all Food, Pharmaceutical, Dairy, Brewery and Bio-Chemical Process applications.
- Imparts no taste or odours.
- FEP offers excellent chemical resistance.
- Conforms to FDA CFR 177.2600 requirements.

*Pressure capabilities are limited at increased working temperatures, we recommend the following guidelines to pressure capabilities advised in the chart when reaching higher temperatures:
21°C - 100% pressure, 65°C - 65%, 93°C - 50%, 121°C - 35%, 148°C - 25%

| Tube I/D | Tube O/D | Wall Thickness | Working Pressure without Guard (max, Bar.) | Working Pressure with SS Guard (max, Bar.) |
|---|---|---|---|---|
| 1/2" (12.7mm) | 17.7mm | 2.5mm | 14 | 32 |
| 3/4" (19.0mm) | 24.1mm | 2.55mm | 12 | 28 |
| 1" (25.4mm) | 31.7mm | 3.17mm | 8.5 | 24 |
| 1.5" (34.4mm) | 40.8mm | 3.2mm | 7.5 | 20 |
| 2" (47.1mm) | 53.5mm | 3.2mm | 5 | 16 |
| 2.5" (59.8mm) | 67.3mm | 3.75mm | 4 | 14 |
| 3 (72.5mm) | 82.0mm | 4.77mm | 3 | 10 |
| 4" (98.0mm) | 109.0mm | 5.5mm | 2 | 10 |

PTFX
PURESIL TECHNIFLEX

**Bespoke Hygienic & High Purity Process Solutions**

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

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# 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.

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