

GORE® STA-PURE PFL Elements



GORE® STA-PURE PFL tubing

Features and benefits

- Highly resistant to aggressive chemicals, including organic solvents
- 50 times longer life than other fluoroelastomers
- Stable flow rate over time
- Pressures up to 60 psi
- Suitable for CIP/SIP
- Operating temperature -4 °F to 176 °F
- Available in 20 different bore sizes, three wall thicknesses and three element lengths
- STA-PURE PFL are trademarks of WL Gore & Associates Inc.



Technical specifications

	GORE® STA-PURE PFL Elements
Bore size	0.0625 - 0.6692 in (1.6 - 17 mm)
Wall thickness	0.0945 - 0.1575 in (2.4 - 4 mm)
Colour	Off-white
Transparency	Opaque
Spallation	Very low
Certification and compliance	USP Class VI
Operating temperature	-4 °F to 176 °F (-20 °C to 80 °C)
Hardness, shore A (5sec)	85+/-10
UV resistance	Excellent
Water absorption	Low
Sterilisation methods	Autoclave, CIP, SIP

<p>ASTM methods Hardness: ASTM D 2240; Specific gravity: ASTM D 792; Tear B, Ultimate tensile strength, Elongation at break, Tensile stress at 100 % elongation; ASTM D 412</p>

Materials of construction

	GORE® STA-PURE PFL Elements
Tubing	Composite of expanded polytetrafluoroethylene (ePTFE) and a platinum-cured perfluoroelastomer
Connector material	PVDF, Stainless steel

Product codes

STA-PURE PFL Double Segment Kynar Y-Element ordering codes				
Bore		Wall Thickness		Product codes
mm	inch	mm	inch	
1.6	1/16	2.4	3/32	966.E016.K24
3.2	1/8	2.4	3/32	966.E032.K24
4.8	3/16	2.4	3/32	966.E048.K24
6.4	1/4	2.4	3/32	966.E064.K24
8.0	5/16	2.4	3/32	966.E080.K24
STA-PURE PFL LoadSure Elements ordering codes				
Product Name				Product codes
STA-PURE PFL 520 LoadSure 3.2mm Bore Quick Release Element				966.0032.PFQ
STA-PURE PFL 520 LoadSure 3.2mm Bore Tri-Clamp Element				966.0032.PFT
STA-PURE PFL 520 LoadSure 6.4mm Quick Release Element				966.0064.PFQ
STA-PURE PFL 520 LoadSure 6.4mm Tri-Clamp Element				966.0064.PFT
STA-PURE PFL 520 LoadSure 9.6mm Bore Quick Release Element				966.0096.PFQ
STA-PURE PFL 520 LoadSure 9.6mm Bore Tri-Clamp Element				966.0096.PFT
STA-PURE PFL 620 LoadSure 12.0mm Bore Stainless Steel Tri-Clamp Element				966.T120.SST
STA-PURE PFL 620 LoadSure 17.0mm Bore Stainless Steel Tri-Clamp Element				966.T170.SST

Watson-Marlow, Pumpsil, PureWeld, LoadSure, LaserTraceability, Bioprene and Marprene are registered trademarks of
Disclaimer: Watson-Marlow Limited. STA-PURE PCS and STA-PURE PFL and Style 400 are trademarks of WL Gore & Associates
Inc. Please state the product code when ordering pumps and tubing.



wmfts.com/global
28 April 2026