

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	1.6 - 12 mm
Bore size	0.0625 - 0.4724 in
Wall thickness	2.4 - 4 mm
Wall thickness	0.0945 - 0.1575 in
Colour	Off-white
Transparency	Opaque
Spallation	Very low
Certification	USP Class VI
Operating temperature range	-20 to 80 °C
Operating temperature range	-4 to 176 °F
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

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
8.0	5/16	4.0	5/32	966.E080.K40
12.0	15/32	4.0	5/32	966.E120.K40

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

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