

## FILTRATION | SEPARATION | PURIFICATION



#### **Product Specifications**

Media: Polypropylene & Polyethersulfone

Inner core, end caps, cage: Polypropylene

Gaskets/O-Rings: Buna-N, EPDM, Silicone, Teflon Encapsulated Viton, Viton

Micron rating: 0.2, 0.5 µm

End styles: P (DOE), P2 (226/flat), P3 (222/ flat), P7 (226/fin), P8 (222/fin), AM, NPC

#### Dimensions

Nominal lengths: 5", 9.75", 10", 19.5", 20", 29.25", 30", 39", 40" (12.7, 24.8, 25.4, 49.5, 50.8, 74.3, 76.2, 99.1, 101.6 cm)

Outside diameter: 2.7" (6.86 cm)

Inside diameter: 1.0" (2.54 cm)

Surface Area: 7.0 ft<sup>2</sup> (0.65 m<sup>2</sup>)

#### Operating Parameters

Maximum operating temperature: 176°F (80°C)

Maximum differential pressure: 75 psid @ 70°F (5.2 bar @ 21°C) 30 psid @ 176°F (2.0 bar @ 80°C)

Maximum reverse pressure: 40 psid @ 70°F (2.8 bar @ 21°C)

Recommended change-out pressure: 35 psid (2.4 bar)





# **QSL<sup>™</sup> Series Filter Cartridges**

# Serial Layered Design for **Optimized Prefiltration**

Incorporating a polypropylene microfiber media over a polyethersulfone membrane, the serial layered QSL cartridge design offers excellent retention characteristics and extended life to provide long lasting protection of downstream final filters. By preventing early blockage of downstream filters, the QSL contributes significantly to an economical overall design of your filtration system.

### **FEATURES & BENEFITS**

- Serial layered design enhances capacity and simplifies prefiltration requirements
- Absolute rated (99.98%) an ideal prefilter to 0.2, 0.45 and 0.65 micron membrane filters
- Fixed pore construction resists dirt unloading at maximum differential pressure
- High surface area high flow rate, and long service life minimize maintenance cost
- Available with various gasket/O-ring materials compatible with many fluids

#### CERTIFICATIONS

- USP Class VI: Meets USP Class VI Biological Test for Plastics
- FDA Listed Materials: All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, 177.1520, and 177.2600 as applicable for food and beverage contact.
- European Directive for Direct Food Contact: European Regulation No. 1935/2004 and European Regulation 10/2011: Tested for migration behavior and is suitable for contact with all kinds of foodstuffs with minimal rinse-up. Data available upon request.
- Non-fiber releasing: This filter product complies with the Title 21 of the Code of Federal Regulations (CFR), sections 210.3 (b) (6) and 211.72 after appropriate pretreatment of the filter such as flushing.

# **TYPICAL APPLICATIONS**

- Wine/beer bottling
- Bottled water
- Aqueous solutions Culture Media
- Cosmetics
- Process water
- Active Intermediates
  Diagnostic Reagents

# PERFORMANCE SPECIFICATIONS

- Cleaning/Sanitization: Compatible with most common chemical cleaning, sanitizing and sterilizing agents and with pH range from 1–14. Consult factory for specific compatibility information. Cartridge will withstand hot water at 176°F (80°C) at 5 psid (0.35 bar) for 30 minutes.
- Steam/Autoclave: Cartridges may be autoclaved for 30 minutes at 250 °F (121°C) under no end load conditions. Cartridges fitted with steam insert may be steamed for at least 10 thirty minute cycles @ 275°F (135°C) not to exceed 3 psid (0.21 bar).

QSL NOMENCLATURE INFORMATION									
Filter Type	Retention Rating (microns)	Nominal Length (inches)		End Configuration		Gasket or O-Ring		Options	
QSL Series Examp	0.2 0.5 le: QSL0.5-2	-5 -9.75 <sup>1</sup> -10 -19.5 <sup>1</sup> -20	-29.25 <sup>1</sup> -30 -39 <sup>1</sup> -40	P P2 P3 P7 P8 AM NPC	Double Open End 226/Flat Single Open End 222/Flat Single Open End 226/Fin Single Open End 222/Fin Single Open End Single Open End, Internal O-Ring Double Open End, Internal O-Ring	B S T T	Buna-N EPDM Silicone Teflon encap. Viton Teflon encap. Viton (O-Rings Only) <sup>2</sup> Viton	-R -I	Factory Rinse Steam Insert
QSL	0.5	-20		P3		S		-1	

<sup>1</sup>Available only for DOE (P) configuration <sup>2</sup>Not available in AM style

#### **QSL FLOW RATE**



#### FOR MORE INFORMATION

#### GTX-364 10-24

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