# JLPE Series

TRI-SHiELD<sup>™</sup> Liquid Particulate Cartridges for solid contaminant removal in a wide range of applications.

Jonell Systems TRI-SHiELD cartridges for liquid vessels are used in to filter solid and semi solid contaminants in refineries, chemical applications, food & beverage and a range of general industrial applications.

TRI-SHiELD cartridges have superior filtration performance when compared to resin bonded, melt blown, string wound and sock filters in liquid applications.

## **Features and benefits**

- The blend of Tri-Lobal and cylindrical fibers in combination with the engineered gradient depth all in the same media matrix provides superior dirt loading compared to conventional depth cartridges.
- The media is thermally bonded only once while it is being spiral wound into a cartridge to maximize void open spaces in the media matrix.
- Media layers can be customized for challenging applications and multiple surface coating options provide filtration flexibility.
- They come with several types of end caps and in both polyester and polypropylene media to suit a vast application range.
- Textured cartridge with a coarse finish designed to improve filtration performance.







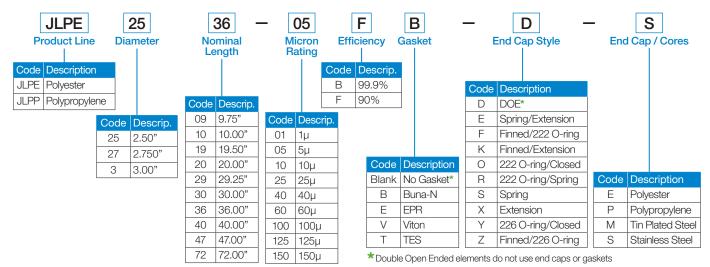
# **Specifications**

Products	Specifications	Liquid Particulate Cartridge	
IMM	Diameter	2.50", 2.750", 3.00"	
	Nominal Lengths	9.75", 10", 19.5", 20", 29.25", 30", 36", 40", 47", 72"	
	Media type	Depth Style Polyester	Depth Style Polypropylene
	Gasket	No Gasket (Double open-ended elements do not use end caps or gaskets) Buna-N	EPR Viton TES
	Micron Range	1µ to 150µ	
	Efficiency	90%, 99.9%	
	End cap style	Double Open Ended* Spring/Extension Finned/222 O-ring Finned/Extension 222 O-ring/Closed	222 O-ring/Spring Spring Extension 226 O-ring/Closed Finned/226 O-ring
	End caps & cores	Polyester Polypropylene	Carbon Steel Stainless Steel
	Temperature	240-degree F for Polyester	180-degree F for Polypropylene
	Common Applications	Amine & Glycol Acids & Alkali, Solvents Catalyst Disposal Injection & Lubricants Inks, Adhesives, Fabric Coatings, Paints, Dyes	Product Polishing Bulk Chemical Filtration Bottled Water Beer Filtration (resin trap) Pulp & Paper Waste Water

Other configurations, micron ratings and options available.

Contact Jonell Systems to discuss your unique needs.

### Nomenclature



## About us

Jonell Systems, a Filtration Group brand, partners with oil, gas and energy companies worldwide to address end to end filtration challenges to improve process safety, reliability, productivity and ultimately profitability. With a wide range of vessels and cartridges with multiple media options, we have solutions to make the world safer, healthier and more productive.



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