

The **Jonell LiquiPleatTM 3862 Series** elements are large particulate holding, highly efficient, liquid filtration elements specifically designed for applications with high amounts of solid contaminant. They are available in various grades of absolute rated high performance polypropylene media to suit your application. The large diameter, ultra high surface area pleated cartridges are designed to provide the optimum combination of particle removal efficiency and contaminant holding capability.

The Jonell LiquiPleatTM 3862 Series is a pleated style technology supported with nylon or thermally bonded polypropylene end caps. Various options in outer cartridge encasements are also made available to protect the pleat integrity assuring even flow and contaminant distribution across the effective surface area of the filter cartridge.



LiquiPleatTM 3862 Series Filter Cartridges

APPLICATION

Jonell's LiquiPleatTM 3862 Series cartridges are designed for use in the most challenging liquid applications where guaranteed efficiency and extended cartridge life are a requirement. Among the most common applications where they are used to remove solid contaminants are:

- ▶ Amines
- ▶ Refined Products
- ▶ Chemical Plants
- ▶ Pipeline Fuels
- ▶ Process Water
- ▶ Waste Water
- ▶ Cooling Water
- ▶ Utility Water
- ▶ General Industrial

FILTER CHARACTERISTICS

The primary focus of the 3862 Series design is to provide absolute rated efficiencies (to beta 5000) without compromising the element service life. In order to achieve this combination we select filtration media with exceptional contaminant holding properties but comparatively low flow resistance.

The 3862 Series is a high efficiency element with outside to inside flow liquid flow direction that is designed for high contaminant removal. In addition, our large diameter design can process higher flow rates with fewer elements allowing you to use fewer filters per housing. This can significantly reduce downtime during element replacement.



Double O-Ring seal to reduce fluid bypass





LiquiPleat™ 3862 Series (JPMP) Polypropylene Filter Element

MATERIALS OF CONSTRUCTION

Component	Steel	Micro-Fiberglass	Polypropylene	Polyester	Nylon	Buna, EPR, Viton
Pleated Media			X			
Outer Support			X			
End Caps			X		X	
Center Core	X		X			
Gasket						X

SPECIFICATION

Length	39 inches
Outside Diameter (Nylon Caps)	6.55 inches
Inside Diameter (Nylon Caps)	1.75 inches
Outside Diameter (Polypropylene Caps)	6.25 inches
Inside Diameter (Polypropylene Caps)	1.7 inches

Above dimensions are nominal

PERFORMANCE

Absolute Micron Ratings	1,2,5,10,15,20,40,70
Standard at 99% efficiency and available up to 99.98% efficiency	
Recommended Initial DP	< 0.5 psid
Recommended Change-Out DP	15-25 psid
Collapse Pressure (Steel Core)	>75 psid
Collapse Pressure (Polypropylene Core)	>75 psid
Maximum Suggested Operating Life	1 year
Minimum Operating Temperature	- 60° F
Maximum Polypropylene Operating Temp	180° F



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For questions about filtration applications, replacement needs or help troubleshooting process and filtration issues contact an approved JONELL representative.

Filtration Group

Process Technologies Division

