

# JHF SERIES

The JONELL JHF series elements are high flow capacity, high efficiency, inside to outside flow direction liquid filtration elements designed for applications with large flow requirements. They are available in various grades of absolute rated high performance micro glass, polyester, and polypropylene media with hardware customizable to suit your application. The large diameter, large surface area pleated media cartridges are customizable and designed to provide the optimum combination of particle removal efficiency and contaminant holding capability.

The JONELL JHF series is a pleated style technology supported with robust steel, nylon or polypropylene end caps. The filtering media is then attached to the end caps and core via thermal bonding or a highly resistant adhesive to prevent any possibility of by-pass. 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 JHF filter cartridge.



*JHF Series Filter Cartridges*

## APPLICATION

Jonell JHF high flow capacity filtration cartridges are designed for utilization in liquid applications with large rates of flow. Among the most common applications are systems removing solid and semi-solid contaminants from process water, waste water, pre-filtration to RO membranes, cooling water, and utility water. In addition, Jonell JHF style elements are highly applicable in refining, chemical plants, pipeline fuels, amines and many other applications.

inside to outside flow direction, the positive sealing of this cartridge style does not require individual sealing assemblies for each cartridge as commonly seen in traditional diameter cartridges. As the number of Jonell JHF cartridges is generally 10%- 20% the number of standard diameter cartridges seen in a vessel of equal diameter, this can represent hours of valuable down time.

## FILTER CHARACTERISTICS

Large diameter pleated media cartridges are not a new concept in the filtration market place. They were introduced years ago and there is a reason the Jonell JHF style element grows in popularity every year. **THEY WORK.** The design goals are simple and remain unchanged today.

Additional advantages of the Jonell JHF product line are the wide array of media availabilities to suit each individual application. The JHF is even available in 100% pure polypropylene making incineration an option for disposal.

The primary focus of the JHF 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.

In addition to being economical in service life, the JHF product line is operator friendly. Due to the



**JONELL, INC.**

Telephone: 254-559-7591  
 Fax: 254-559-9863  
 Email: sales@jonellinc.com  
 www.jonellinc.com



**MATERIALS OF CONSTRUCTION**

Component	Steel	Micro Glass	Polypropylene	Polyester	Nylon	Buna, EPR, Viton
Pleated Media		X	X	X		
Outer Support	X <sup>1</sup>		X	X	X	
End Caps	X	X	X		X	
Center Core	X		X		X	
Gasket	X <sup>2</sup>		X			X

1 - Clarification—Steel Screen  
 2 - Clarification—When core required

**SPECIFICATION**

Length	60 inches
Outside Diameter	6 inches
Inside Diameter	3 inches

*Above dimensions are nominal*

**PERFORMANCE**

Standard Micron Ratings	1,2,5,10,15,20,40,70
Recommended Initial DP	< 0.5 psid
Recommended Change-Out DP	20 psid
Maximum Suggested Operating Life	1 year
Minimum Operating Temperature	- 60° F
Maximum Polypro Operating Temp	180° F
Maximum Microglass Operating Temp	300° F

**JHF SERIES**

**JONELL, INC.**

900 Industrial Pkwy  
 P.O. Box 1092  
 Breckenridge Tx, 76424  
 Telephone: 254-559-7591  
 Fax: 254-559-9863  
 Email: [sales@jonellinc.com](mailto:sales@jonellinc.com)