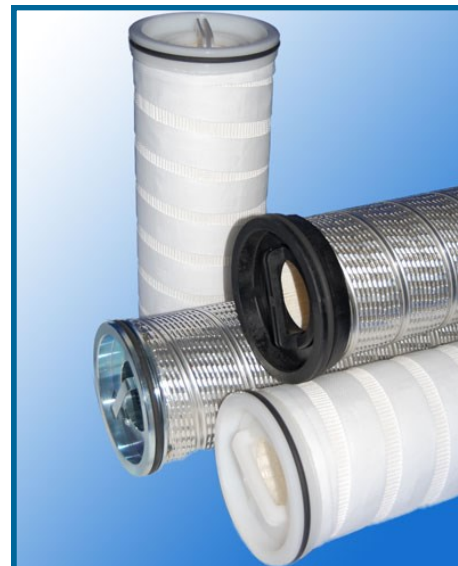


The JONELL **LiquiPleat™ HF Series** elements are high flow capacity, high efficiency, inside to outside flow direction liquid filtration elements designed for applications with large flow requirements. They are available in various grades of absolute rated high performance cellulose, cotton, micro-fiberglass,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

The JONELL LiquiPleat™ HF 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 filter cartridge.



LiquiPleat™ HF Series Filter Cartridges

APPLICATION

Jonell HF Series 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's HF Series style elements are highly applicable in refining, chemical plants, pipeline fuels, amines and many other applications.

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 HF Series style element grows in popularity every year. **THEY WORK!** The design goals are simple and remain unchanged today.

The primary focus of the HF 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.

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

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





LiquiPleat™ HF Series (JHF) High Flow Filter Elements

MATERIALS OF CONSTRUCTION

Component	Steel	Micro-Fiberglass	Polypropylene	Polyester	Nylon	Nomex	Cotton	Cellulose	Buna, EPR, Viton
Pleated Media		X	X	X	X	X	X	X	
Outer Support	X ¹		X	X	X				
End Caps	X	X	X		X				
Center Core	X		X						
Gasket	X ²		X						X

1 - Clarification—Steel Screen

2 - Clarification—When core required

SPECIFICATION

Lengths	20, 40, 60, 80 inches
Outside Diameter	6 inches
Inside Diameter	3 inches
Flow Direction	Inside to Outside

Above dimensions are nominal

PERFORMANCE

Standard Micron Ratings	0.5,1,2,5,10,15,20,40,50,70,100
Recommended Initial DP	< 0.5 psid
Recommended Change-Out DP	35 psid
Maximum Operating DP	75 psid
Maximum Suggested Operating Life	1 year
Minimum Operating Temperature	- 60° F
Maximum Polypropylene Operating Temp	180° F
Maximum Polyester Operating Temp	240° F
Maximum Micro-Fiberglass Operating Temp	300° F
Maximum Cotton Operating Temp	300° F
Maximum Cellulose Operating Temp	300° F
Maximum Nylon Operating Temp	340° F
Maximum Nomex Operating Temp	400° F



Jonell
900 Industrial Pkwy P.O. Box 1092
Breckenridge Texas 76424 USA
Telephone: 254-559-7591
Fax: 254-559-9863

Visit us at www.Jonellinc.com

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

Filtration Group

Process Technologies Division

