

JPME 4536 Series
Pleated Synthetic Cartridges

JONELL JPME 4536 series dry gas filter cartridges are high efficiency filter elements specifically designed for the removal of solid particulate contaminants in critical applications. They are available in various grades of absolute rated high performance polyester media with hardware customizable to suit your application. These ultra high surface area pleated cartridges are completely customizable and designed to provide the optimum combination of particle removal efficiency and contaminant holding capability. The JONELL Model JPME 4536 is mechanically bound with robust tin plated steel end caps and components designed specifically for the demands of the oil and gas industry. The filtering media is then attached to the end caps and core via a highly resistant adhesive to prevent any possibility of by-pass. Finally, tin plated steel outer cartridge encasements are designed to protect the pleat integrity against erosion caused by high flow rates assuring even flow and contaminant distribution across the effective surface area of the filter cartridge.



JPME 4536 Filter Cartridges

BENEFITS

The primary focus of the JPME 4536 design is to provide highly 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. By lowering saturated pressure drop this coalescing cartridge effectively reduce operating cost.

Our wide array of rated fixed pore polyester filter medias are specifically designed for the removal of solid particulate from a air or gas stream while maintaining cartridge structural integrity under very high air/gas flux rates. In most cases a JPME 4536 series element can be used even in under sized filter vessels with no visible increase to the equipment pressure drop.

In addition to being economical in service life, the JPME 4536 is operator friendly. Fixed gasket design provided a positive sealing surface you can trust.

By reducing time in a shut down state and reducing operational costs, the benefits of the JPME 4536 high efficiency solids removal cartridge equates to total equipment and process protection.

APPLICATIONS

The following are among some of the most common applications where the Jonell JPME 4536 can be found.

- » Gas processing facilities
- » City Gates turbine meter protection
- » Pre-filtration to sensitive high efficiency coalescing filters
- » Formation protection during gas flooding
- » Iron Sulfide Removal
- » Downstream of a catalyst bed
- » Heavy De-sanding applications
- » General fine solids removal in critical air and gas related applications

JONELL, INC.

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



MATERIALS OF CONSTRUCTION (Specific to Standard JPME 4536)

Component	Tinned Steel	Micro Glass	Polyester	Polypropylene	Viton	Buna N
Pleated Media			X			
Outer Support	X					
End Caps	X					
Center Core	X					
Gaskets						X

Note: Optional materials of construction available upon request

SPECIFICATION

Length	36 inches
Outside Diameter	4.5 inches
Inside Diameter	3.1 inches

PERFORMANCE

Standard Micron Rating	1.0 µm
Recommended Initial DP	< 0.5 psid
Recommended Change-Out DP	15 psid
Maximum Suggested Operating Life	1 year
Minimum Operating Temperature	- 60° F
Maximum Operating Temperature	250° F
Burst Pressure	> 75 psid

Above dimensions are nominal



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