

## MM Series Screen Wrapped Filter Cartridges



### BENEFITS

- Cleanable and reusable
- High operating temperatures
- Wide range of PH compatibility
- All stainless steel components
- Flow direction: Outside to In

### APPLICATIONS

- Resins
- Waxes
- High Viscosity Fluids
- Caustic Applications

### DESCRIPTION

Facet MM Series screen wrapped cartridges are cleanable and reusable stainless steel surface filters for removing solids from liquids, compressed air, and most gaseous fluids.

MM Series screen cartridges are assembled by wrapping layers of stainless steel mesh cloth around a perforated outer support shell. These cartridges are available in micron ratings from 5 to 750. They provide approximately 255 sq. in. (1645 sq. cm.) of effective filtration area. Recommended flow rate is based on specific application.

*Due to our continuing program of improvement, specifications are subject to change without notice.*

# MM Series Screen Wrapped Filter Cartridges

## PERFORMANCE SPECIFICATION

### ABSOLUTE REMOVAL

MICRON	5	10	25	40	75	150	200	250	400	750
MM	.	.	.	.	.	.	.	.	.	.

## MATERIALS OF CONSTRUCTION

### FILTER MEDIA OPTIONS:

5-750  $\mu$ m: Stainless Steel Screen

### GASKET MATERIALS:

Standard: Non-Asbestos  
Optional: Other materials available upon request

### COMPONENTS:

Center Core: Stainless Steel  
End Caps: Stainless Steel  
Outer Body: None

**ADHESIVES:** Solder

## FILTER SIZES AND DIMENSIONS

SERIES	OD (inches)	ID (inches)	LENGTH (inches)
MM5HJS	6	3 1/2	14 1/2
MM10HJS	6	3 1/2	14 1/2
MM25HJS	6	3 1/2	14 1/2
MM40HJS	6	3 1/2	14 1/2
MM75HJS	6	3 1/2	14 1/2
MM150HJS	6	3 1/2	14 1/2
MM200HJS	6	3 1/2	14 1/2
MM250HJS	6	3 1/2	14 1/2
MM400HJS	6	3 1/2	14 1/2
MM750HJS	6	3 1/2	14 1/2

Note: The dimensions are nominal.

## TEMPERATURE/COMPATIBILITY GUIDE

MEDIA	MAXIMUM TEMPERATURE	pH RANGE	PETROLEUM PRODUCTS	CHEMICALS	AQUEOUS SOLUTIONS
Stainless Steel	250 °F	1-12	Excellent	Excellent	Excellent

Note: Special applications requiring coarser filtration and temperatures up to 700 °F are available upon request.

## CARTRIDGE ORDERING INFORMATION

SERIES	MICRON RATING	SPECIAL FEATURES
MM	5	HJ S
		H = Heavy Duty J = Non Asbestos S = Stainless Steel

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## FLOW RATES

MODEL NO.		MM5HJS		MM10HJS		MM25HJS		MM40HJS		MM75HJS		MM150HJS		*200	*250	*400	*750
MICRON		5		10		25		40		75		150					
VISCOSITY		FLOW		ΔP		FLOW		ΔP		FLOW		ΔP		* For all models above 150 microns, the maximum flow rate per cartridge is 75 gpm. Under specified conditions, the flow rate may exceed 75 gpm. Consult the factory for specific applications.			
ssu	cs	gpm	psi	gpm	psi	gpm	psi	gpm	psi	gpm	psi	gpm	psi				
29	1	75	.10	75	.09	75	.05	75	.01	75	.00	75	.00				
32	2	75	.20	75	.18	75	.10	75	.02	75	.00	75	.00				
36	3	75	.30	75	.27	75	.15	75	.03	75	.00	75	.00				
43	5	75	.50	75	.43	75	.25	75	.05	75	.01	75	.01				
52	8	75	.80	75	.70	75	.40	75	.08	75	.02	75	.02				
58	10	75	1.0	75	.87	75	.50	75	.12	75	.03	75	.02				
98	20	75	2.0	75	1.7	75	1.0	75	.24	75	.06	75	.05				
140	30	50	2.0	57	2.0	75	1.5	75	.36	75	.10	75	.08				
190	40	37	2.0	43	2.0	75	2.0	75	.48	75	.13	75	.10				
230	50	30	2.0	34	2.0	58	2.0	75	.60	75	.16	75	.13				
342	75	20	2.0	23	2.0	39	2.0	75	.91	75	.24	75	.20				
455	100	15	2.0	17	2.0	29	2.0	75	1.2	75	.33	75	.26				
910	200	7	2.0	9	2.0	15	2.0	62	2.0	75	.66	75	.53				
1365	300	5	2.0	6	2.0	10	2.0	41	2.0	75	.99	75	.80				
1818	400	4	2.0	4	2.0	7	2.0	31	2.0	75	1.3	75	1.0				
2273	500	3	2.0	3	2.0	5	2.0	25	2.0	75	1.7	75	1.3				

Flow Rates are expressed in U. S. Gallons per Minute (GPM). GPM × 3.785 = Liters per Minute (LPM).  
 Differential Pressure is listed in Pounds per Square Inch (PSI). PSI × .07 = Kilograms per Centimeters Squared (kg/cm<sup>2</sup>).