



## NOMINAL SERIES PLEATED BAGS SERIES 100

# A Cost Effective Approach to Quality Filtration

## PLEATED, NOMINAL FILTERS

FMT introduces Our Series 100 Nominal Pleated Bag Filters. The introduction of this Series offers value and economy for your nominal filtration requirements while providing the reliability and high performance of a rigid filter cage to maintain bag filter integrity.

The Series 100 pleated bag will drain faster during changeout than standard size 2 single or multilayer bags. Better and faster draining allows recovery of valuable process fluid. More importantly, the rigid pleated bag structure eliminates downtime and product losses resulting from upset conditions caused by the loss bag filter bottoms.

Constructed with polypropylene or polyester needled felt media, the FMT Series 100 will offer significantly more surface area and dirt holding capacity than a standard size 2 nominal bag, as well as a wide range of micron ratings.

## BENEFITS

- Up to 28 times the dirt holding capacity of a standard size 2 felt bag
- Proprietary pleat design maximizes dirt holding capacity
- Rigid bag design for structural integrity
- Wide-range of micron ratings
- Simple installation into existing equipment
- Reduced disposal costs and labor change outs
- Increased system runtime

## COMMON APPLICATIONS

*Process fluids, Pre-RO, Water and Wastewater reuse, Ground Water Remediation, and Machine Coolants*



## DIMENSIONS

Outside Diameter:	7.00"
Inside Diameter:	2.00"
Length:	24"

## MATERIALS OF CONSTRUCTION

<u>Filter Media:</u>	Polypropylene and Polyester Needled Felt
<u>Center Core:</u>	Polypropylene
<u>Netting:</u>	Polypropylene
<u>End Caps:</u>	Polypropylene
<u>No Adhesives:</u>	All Heat sealed Construction

# PRODUCT SPECIFICATIONS

## Nominal Micron Ratings:

1, 5, 10, 25, 50, 100 and 200 Micron

## Maximum Operating Conditions:

185°F (85°C) Continuous Operating Temp

## Recommended Flow Rate for Optimal Dirt Loading:

25 GPM

## Maximum Recommended Flow Rate:

200 GPM

## Maximum Recommended Differential Pressure:

25 PSID

Data based on FMT Research and Development Center's standard test procedure. The procedure uses ISO Standard test dust and deionized water as the challenge slurry. The reported data is based on the polypropylene elements.

## MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	001	005	010	025	050	100	200
Nominal, Microns	1	5	10	25	50	100	200

## DIRT HOLDING CAPACITY (LBS)\*

FILTER MODEL	001	005	010	025	050	100	200
Polypropylene	6.98	5.87	5.79	5.86	5.83	6.02	6.24
Polyester	6.63	6.34	6.19	6.58	7.12	6.41	6.55

## CLEAN PRESSURE DROP (PSID)\*

FILTER MODEL	001	005	010	025	050	100	200
PSID @ 25 GPM	0.105	0.144	0.028	0.055	0.046	0.043	0.038
PSID @ 50 GPM	0.589	0.350	0.236	0.275	0.322	0.346	0.317
PSID @ 100 GPM	1.139	1.178	1.172	1.031	1.135	1.153	1.206
PSID @ 150 GPM	2.239	2.480	2.640	2.157	2.526	2.513	3.013
PSID @ 200 GPM	4.214	4.315	4.297	3.888	4.361	4.734	5.101

## FMT NOMINAL BAG CODING

FMTN	-	005	-	P	P	24	U	E
Nominal Bag Series		Micron Rating-Nominal		Non-Media Components	Media	Length	Housing Seal	O-Ring Material
		001 - 1 Micron		P Polypropylene	P Polypropylene	24 24"	U Universal	B-Buna
		005 - 5 Micron			R Polyester			E-EPDM
		010 - 10 Micron						
		025 - 25 Micron						
		050 - 50 Micron						
		100 - 100 Micron						
		200 - 200 Micron						

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FORM FMT-100 Series  
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