

# NOMINAL 100 SERIES PLEATED BAG FILTERS



# FTC

FOREFRONT OF FILTRATION TECHNOLOGY

NB100-002-05-1

## COST EFFECTIVE FILTRATION

FTC introduces its Series 100 Nominal Pleated Bags. The introduction of the Series 100 will offer value and economy for your nominal filtration requirements while providing the reliability and high performance of a rigid filter barrel to maintain bag filter integrity.

The Series 100 pleated bag will drain more easily when changing out than a standard size 2 bag. As a result, loss of valuable process fluid will be minimized. Maintaining a rigid structure will eliminate bag bottoms from falling out.

Constructed with polypropylene or polyester needled felt media, the FTC 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

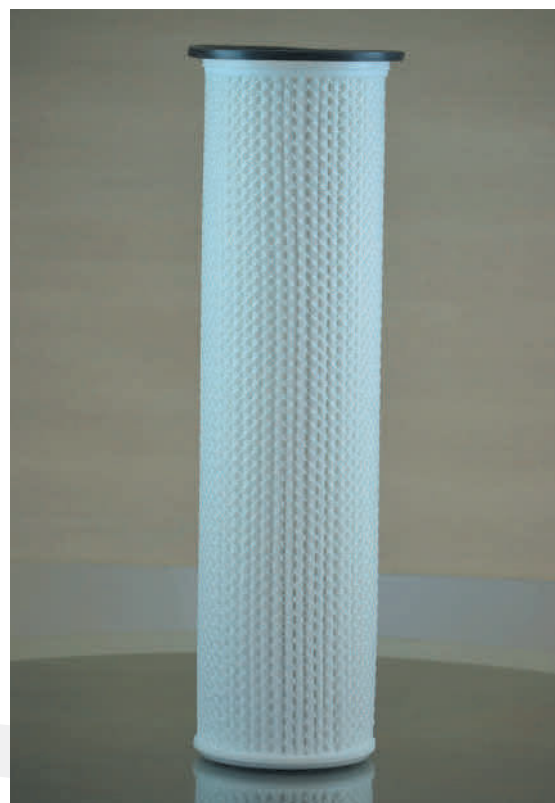
- As much as 28 times the dirt holding capacity of a standard size 2 felt bag
- Proprietary pleat design maximizes dirt holding capacity and surface area
- Rigid bag structure to maintain integrity of filter
- Wide-range of micron ratings to meet all your nominal filtration requirements
- Simple installation into existing equipment without equipment modification
- Savings on acquisition and disposal costs and labor change outs
- Reduced system downtime

## COMMON APPLICATIONS

- Water and Wastewater, Process Fluids, Acids, Bases, Amines, Glycols, Brines, Machine Coolants

## DIMENSIONS

Outside Diameter: 6.25"  
Inside Diameter: 2.00"  
Length: 24"



## MATERIALS OF CONSTRUCTION

Filter Media: Polypropylene and Polyester  
Needled Felt  
Center Core: Polypropylene  
Netting: Polypropylene  
End Caps: Polypropylene

## PRODUCT SPECIFICATIONS

Nominal Micron Ratings:

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

Maximum Operating Conditions:

185°F (85°C) continuous operating temperature

Recommended Flow Rate for

Optimal Dirt Loading: 25 GPM

Maximum Recommended Flow Rate:

200 GPM

Recommended Differential Pressure

for change-out: 25 PSID

## MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	001	005	010	025	050	100	200
Nominal	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

Data based on Filtration Technology Corporation Research Center's standard test procedure, a modified version of ISO 19438.

The procedure uses ISO Standard test dust and deionized water as the challenge slurry. The reported data is based on the polypropylene elements.

## CARTRIDGE CODING

NB	005	P	P	24	U	E
NOMINAL BAG SERIES	NOMINAL MICRON RATING	NON-MEDIA COMPONENTS	MEDIA	LENGTH	CAP STYLE	SEAL MATERIAL
	001 - 1 Micron 005 - 5 Micron 010 - 10 Micron 025 - 25 Micron 050 - 50 Micron 100 - 100 Micron 200 - 200 Micron	*P - Polypropylene	*P - Polypropylene R - Polyester	24 - 24"	U - Universal	B - Buna-N E - EPDM

\* The raw polypropylene materials composing these filters are FDA compliant according to CFR Title 21.

Notice: The information presented here is based on tests and data which FTC believes to be reliable, but their accuracy or completeness is not guaranteed.

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