

## FILTER BAG

- Micron ratings from 1 to 200
- All industry standard & custom sizes available
- Broad chemical compatibility
- High flow/low pressure drop
- Sewn or fully-welded construction
- Handles on all bags
- Choice of steel or molded plastic snap-seal rings
- Temperature ratings to 200°F (PO), 275°F (PE ), 425°F (HT) and 500°F (Teflon®)



### Felt Bag Materials

Constructed using 100% synthetic fibers in polypropylene, polyester, Nomex® and Teflon®. The proper combination of fiber diameters, weights and thicknesses result in an economical depth filter media.

Polypropylene & Polyester bags are supplied with a glazed or singed finish to reduce fiber migration.



- Polypropylene and Polyester materials meet FDA regulations for food contact under CFR21, Section 177.1520
- Silicone-free construction
- High dirt holding capacity
- Ability to remove both solid and gelatinous particles
- Low cost
- Glazed/singed finish on Polypropylene & Polyester reduces fiber-shedding

## DD PROCESS PRODUCTS

### FILTER BAG DATA

Bag Size	1	2	3	4
Surface Area Per Bag (ft <sup>2</sup> /m <sup>2</sup> )	2.0/ 0.19	4.4/ 0.41	0.5/ 0.05	1.0/ 0.9
Volume Per Bag (gal*/liter)	2.1/ 7.9	4.6/ 17.3	0.37/ 1.4	0.67/ 2.5
Bag Diameter (inch/cm)	7.0/ 17.8	7.0/ 17.8	4.0/ 10.2	4.0/ 10.2
Bag Length (inch/cm)	16/ 40.65	32.0/ 81.3	8.25/ 20.9	14.0/ 35.5
Filter Vessel Model Number	FSPN-40 BFN-11	FSPN-85 FSPN-250 BFN-12 and all multi-hole vessels	FSPN-20 BFN-13	FSPN-35 BFN-14

### FILTER FABRIC QUALITIES

Fabric	Cotton	Polyester	Glass	Nylon	Nomex	Polypropylene
Specific Gravity	1.55	1.38	2.56	1.14	1.14	0.9
Tensile Strength	44 - 109	64 - 124	200 - 215	58 - 128	58 - 128	50 - 85
Abrasion & Flex	Fair	VeryGood	Poor	Excellent	VeryGood	VeryGood
Weak Acids	Poor	VeryGood	Excellent	Fair	Fair	Excellent
Strong Acids	Poor	Good	Good	Poor	Poor	Excellent
Weak Alkali	Excellent	Good	Fair	Excellent	Excellent	Excellent
Strong Alkali	Excellent	Poor	Poor	Excellent	Excellent	Excellent
Solvents	Good	Good	Excellent	Good	Good	Fair
Temp. (F°)	200 - 240°	275 - 325°	500 - 600°	275 - 300°	400 - 450°	200 - 220°

### MICRON AVAILABILITY

MICRON AVAILABILITY		Micron Rating																								
		001	003	005	010	015	025	035	050	065	075	090	100	125	150	175	200	250	300	400	600	700	800	1200	1500	
Fiber	Material																									
Polyester Felt	Felt	●	●	●	●		●	●	●		●						●									
Nylon	Felt			●	●		●	●		●		●														
Polypropylene	Felt	●	●	●	●		●	●		●		●														
Teflon®	Felt				●		●	●		●																
High Temperature	Felt			●	●		●	●		●		●					●									
Polypropylene	Microfiber	●	●		●		●				●															
Nylon	Monofilament Mesh	●		●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Polypropylene	Monofilament Mesh											●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Polyester	Multifilament Mesh										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Polyester	Monofilament Mesh										●	●							●							

### Ordering Information For Membrane DISC Filter

Filter Bag	MEMBRANE MATERIAL	MICRON RATING	SIZES	RING
<b>DDB</b>	'PE' : Polyester	1 ; 75	'1' : 7" X 16"	P : Polyloc
	'PO' : Polypropylene	3 ; 90	'2' : 7" X 32"	S : SS
	'HT' : High Temp	5 ; 100	'3' : 4" X 8.25"	
	'TE' : TEFLON	10 ; 125	'4' : 4" X 14"	
	'N' : Nylon	15 ; 150	'5' : 6.7/8 X 34"	
		25 ; 175	'6' : 6.7/8 X 16.5"	
		35 ; 200	'7' : 5.5" X 16"	
		50 ; 250	'8' : 5.5" X 22"	
		65 ; 300	'9' : 5.5" X 33"	