

# Filtration Systems

## FILTER MEDIA PRODUCT SPECIFICATIONS

### LIQUID FILTER BAG COMPONENTS & SPECIFICATIONS

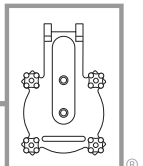
	SERIES		ACCUFIT® SUPERBOND® IP		ACCUFIT Expanded Media		ULTRAFIT 100 IP	ULTRAFIT 500 IP	ULTRAFIT 500 EXP	ULTRAFIT 800 IP	ULTRAFIT 800 EXP	ULTRAFIT-NYLON IP	ULTRAFIT-NYLON EXP	ULTRAFIT AMT	ULTRAFIT Test Bag
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Thermally Bonded Continuous Filament	•		•	•	•	•	•	•	•	•	•	•	•	•	•
Laminated Monofilament Layers, Polypropylene or Nylon		•													
Meltblown Microfiber, Polypropylene (P) or Nylon (N)					P	P	P	P	P	P	N	N	P	P	
Graded-Density, Composite Layer Design Technology™					•	•	•	•	•	•	•	•	•	•	•
IP-Integrated Polymeric Support®	•		•	•	•	•	•	•	•	•	•	•	•	•	•
Sieve Layer	•		•	•	•	•	•	•	•	•	•	•	•	•	•
FDA Compliant Materials	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Zero-Bypass® Bag Collar with Dual Lift-Out Handles	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Efficiency Rating	Nominal	Nominal	97%	99%	99%	99.98%	99.98%	99.9%	99.9%	99.98%	99.98%	99.9%	99.9%	99.98%	99%
Maximum Temperature (deg. F)	180° (P) 340° (N)	180° (P) 340° (N)	180°	180°	180°	180°	180°	340°	340°	180°	180°	340°	340°	180°	180°
Available Sizes	1,2 3,4,5	1,2,4,5	1,2,4,5	1,2	1,2	1,2,4,5	1,2,4,5	1,2	1,2	1,2,4,5	1,2,4,5	1,2	1,2	1,2	2

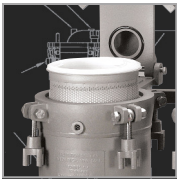
### MICRON RATING AVAILABILITY

MICRON RATING	.2	.4	.6	.8	<1	1	2	5	10	20	25	40	50	100	200	400	600
<b>NOMINALLY RATED FILTER BAGS</b>																	
ACCUFIT® SUPERBOND® IP						•		•	•		•		•	•			
ACCUFIT Expanded Media					•	•	•	•	•	•	•	•	•	•	•	•	•
<b>ABSOLUTE RATED HIGH PERFORMANCE FILTER BAGS</b>																	
ULTRAFIT® 100 IP						•	•	•	•		•		•	•	•		
ULTRAFIT 500 IP						•	•	•	•		•		•				
ULTRAFIT 500 EXP					•												
ULTRAFIT 800 IP		•	•	•													
ULTRAFIT 800 EXP	•																
ULTRAFIT NYLON IP						•		•	•		•		•				
ULTRAFIT NYLON EXP					•												
ULTRAFIT AMT		•	•	•		•		•									
<b>LARGE DIAMETER DROP-IN CARTRIDGE FILTER</b>																	
APX HIGH CAPACITY ELEMENT					•	•		•	•		•		•	•			

**Filtration Systems**

Division of Mechanical Mfg. Corporation





## PRODUCT SPECIFICATIONS, Continued

### MAXIMUM FLOW RATES

gpm (water)	FILTER BAG SIZE			
	P2	P1	P4	P5
<b>ACCUFIT® SUPERBOND® IP</b>	90	75	35	65
<b>ACCUFIT Expanded Media</b>	120	75	40	50
<b>ULTRAFIT® 100 IP</b>	60	45	16	30
<b>ULTRAFIT 500 EXP</b>	30	15	–	–
<b>ULTRAFIT 500 IP</b>	40	30	–	–
<b>ULTRAFIT 800 IP</b>	20	12	6	10
<b>ULTRAFIT 800 EXP</b>	15	8	3	6
<b>ULTRAFIT NYLON IP</b>	40	25	–	–
<b>ULTRAFIT NYLON EXP</b>	25	15	–	–
<b>ULTRAFIT AMT</b>	23	12	6	10

<b>APX</b> <b>HIGH CAPACITY ELEMENT</b>	ELEMENT SIZE		
	728	412	422
	90	20	30

### MAXIMUM DIFFERENTIAL PRESSURE

(psig) Initial Pressure plus...	FILTER BAG SIZE			
	P2	P1	P4	P5
<b>ACCUFIT® SUPERBOND® IP</b>	30	30	30	30
<b>ACCUFIT Expanded Media</b>	35	35	35	35
<b>ULTRAFIT 100 IP</b>	34	34	34	34
<b>ULTRAFIT 500 EXP</b>	34	34	–	–
<b>ULTRAFIT 500 IP</b>	34	34	–	–
<b>ULTRAFIT 800 IP</b>	30	30	30	30
<b>ULTRAFIT 800 EXP</b>	30	30	30	30
<b>ULTRAFIT NYLON IP</b>	24	24	–	–
<b>ULTRAFIT NYLON EXP</b>	34	34	–	–
<b>ULTRAFIT AMT</b>	30	30	30	30

<b>APX</b> <b>HIGH CAPACITY ELEMENT</b>	ELEMENT SIZE		
	728	412	422
	35	35	35

### GENERAL CHEMICAL COMPATIBILITY OF POLYPROPYLENE AND NYLON

CLASSIFICATION	TYPICAL EXAMPLES	POLYPROPYLENE	NYLON
<b>BASES (ALKALIES)</b>	Amines, Ammonium Hydroxide, Potassium Hydroxide, Sodium Hydroxide	Generally Compatible	Testing Recommended
<b>BRINES</b>	Calcium Chloride, Potassium Chloride, Sodium Bromide, Sodium Chloride	Generally Compatible	Generally Compatible
<b>INORGANIC ACIDS</b>	Boric, Dilute Nitric, Dilute Sulfuric, Hydrochloric, Phosphoric	Generally Compatible	Testing Recommended
<b>ORGANIC SOLVENTS</b>	Alcohols, Amides Cellosolves, Esters, Esthers, Glycols, Ketones	Testing Recommended	Generally Compatible
	Aromatics (Benzene, Toluenes, Xylenes)	Not Recommended	Generally Compatible
	Petroleum Products (Aviation Gasoline, Diesel Fuel, Kerosene)	Not Recommended	Generally Compatible
	Hydrocarbons (Fats, Hexane, Octane, Oils, Petroleum Ether)	Testing Recommended	Generally Compatible
	Halogenated Hydrocarbons (Methylene Chloride, Perchloroethylene)	Testing Recommended	Testing Recommended
<b>SALT SOLUTIONS</b>	Aluminum Chloride, Sodium Nitrate, Sodium Sulfate	Generally Compatible	Generally Compatible
<b>WATER</b>	Ambient	Generally Compatible	Generally Compatible
Maximum temperature limits for any fluid. Requires evaluation on an individual basis.		180° F	340° F

**Important Note on Chemical Compatibility:** The information presented in this table is based on exposure at room temperature and is for general guidance only. In most cases, the use of specific filtering material, such as polypropylene, nylon, or cellulose, can be safely recommended without special testing. However, since many factors can affect the chemical resistance of a given product, the user under actual on-site operating conditions must determine filter bag compatibility. Factors such as degree of concentration of a substance in a fluid, temperature, and duration of exposure should be considered, as they may compromise the structural integrity and performance of the filter media.

## Filtration Systems™

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