

MICRON RATED FELT FILTER BAGS

Sure-Weld
The Classic

- ▶ PAINTS & COATINGS

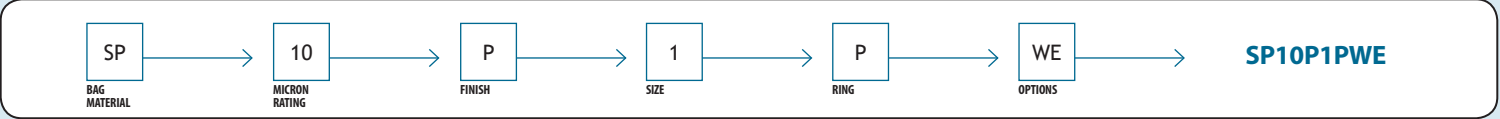
▶ GENERAL CHEMICAL

▶ PRODUCED WATER FROM GAS DRILLING
- ▶ PROCESS WATER

▶ INK INDUSTRY

▶ FOOD AND BEVERAGE INDUSTRY

ORDER GUIDE



The Strainrite Companies offer the widest range of needle punch felt filters in the market. We have formed long-term strategic partnerships with North America’s largest and most respected needle punch manufacturers.

All of our fabrics are manufactured on state-of-the-art high speed needling equipment that continuously monitor key specifications in real time resulting in the most uniform and consistent fabric across the entire web in our industry.

By combining our technically advanced converting process with the industry’s most reliable media, The Strainrite Companies offers [The Classic](#), a felt filter bag that leads in product quality, reliability and repeatability.

THE CLASSIC

- ▶ FELT FILTER BAGS OFFER SEVERAL DISTINCT ADVANTAGES OVER STANDARD STRING WOUND AND MELT BLOWN CARTRIDGES

▶ HYGIENICALLY SUPERIOR DUE TO INSIDE-OUT FLOW DYNAMICS, ALL IMPURITIES ARE CONTAINED INSIDE THE FILTER BAG

▶ LOWER TOTAL COSTS DUE TO HIGHER SOLIDS LOADING CAPABILITIES

▶ REDUCED LABOR COSTS FROM FEWER CHANGE-OUTS

▶ FEWER SPENT FILTERS RESULTING IN REDUCED DISPOSAL COSTS

▶ REDUCED PRODUCT LOSS DUE TO LOWER HOLD UP VOLUMES

▶ USER FRIENDLY BECAUSE IT IS EASIER AND QUICKER TO CHANGE ONE FILTER BAG VERSUS SEVERAL 10” CARTRIDGES

SURE-WELD

- ▶ HIGHER EFFICIENCIES DUE TO TIGHTER SEAL TOLERANCES

▶ NO THREAD, WHICH ELIMINATES POTENTIAL SILICONE CONTAMINATION FROM THIS LIKELY SOURCE

▶ PUNCTURE FREE OVERLAP SIDE SEAMS PROVIDE ADDED STRENGTH AND IMPROVES EFFLUENT CONSISTENCY



The [Sure-Weld](#) Felt Filter Bag, with our proprietary “Tri-Seal” P-flange provides a distinct advantage compared to conventional sewn filter bag with metal snap rings or industry standard poly flanges. Using state-of-the-art welding technology specifically designed to bond needle punched textile fabrics, we are able to offer the strongest most reliable welded filter bags on the market.

Our [Sure-Weld](#) filters come with the security of an overlap side seam, which eliminates the “bump” that occurs with conventional sewn snap ring filters. By welding to a “Tri-Seal”P-flange our fully welded filter bags offer unparalleled seal security, which delivers superior filtrate consistency.



AVAILABLE MICRON RATINGS		
Polypropylene - 0.5*, 1T, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200 Polyester - 0.5*, 1T, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200 Nomex - 1, 5, 10, other microns available on request Nylon - Available on request		
POLYPROPYLENE - CHEMICAL COMPATIBILITY**		
TEMPERATURE	CHEMICAL	COMPATIBILITY
200°F 200°F 200°F 200°F	Acids Alkali Oxidizing Agents Solvents	Excellent Excellent Excellent Average
POLYESTER - CHEMICAL COMPATIBILITY**		
TEMPERATURE	CHEMICAL	COMPATIBILITY
300°F 300°F 300°F 300°F 300°F 300°F	Weak Acids Strong Acids Weak Alkali Strong Alkali Solvents Petroleum Products	Good Good Poor Poor Very Good Very Good

*Not available in Sure-Weld
**Reflective of Filter Bag Material only. Please consult with your Application Engineer to verify specific chemical compatibility

ORDER OPTIONS

MATERIAL	
SP AP HT N	Polypropylene Felt Polyester Felt *Nomex *Nylon
MICRON RATINGS	
SP	0.5*, 1T, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200
AP	0.5*, 1T, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200
HT	0.5, 1T, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200
N	0.5, 1T, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200
FINISH	
S P B C N	Singed Plain *Singed Both Sides *Cerex Cover *Nylon Mesh Cover
SIZE	
1 2 3 4 25 30 50 65	7" x 16" 7" x 32" *4.08" x 8" *4.08" x 14" *4" x 9" *4.118" x 10" *4" x 21" *4.118" x 22"
RING	
P M PER MER DS S SS PR N Z	Polypropylene P-Flange Polypropylene M-Flange Polyester P-Flange Polyester M-Flange *Draw String *Carbon Steel Ring *Stainless Steel Ring *Polypropylene Ring *No Ring *Polypropylene Z-Flange**
OPTIONS	
WE HS AS	Sure-Weld *Handle-Strap *Fully Stitched

*Not available in Sure-Weld
** Fits Size 25, 50 bags only

NEED A VESSEL FOR YOUR BAGS?

For the Classic, the following vessel types are most commonly used:

SRX—PAGE 134 SRHD—PAGE 136 SRID—PAGE 138 SRL—PAGE 132
SRMX—PAGE 134 SRMB—PAGE 142 SRVB—PAGE 140

For the Sure-Weld, the following vessel types are most commonly used:

SRX—PAGE 134 SRHD—PAGE 136 SRID—PAGE 138
SRMX—PAGE 134 SRMB—PAGE 142 SRVB—PAGE 140

As always, discuss your options with your local sales representative to find the best fit for your application.

MICRON RATED MESH FILTER BAGS

Monofilament Mesh
Multifilament Mesh

- ▶ PAINTS

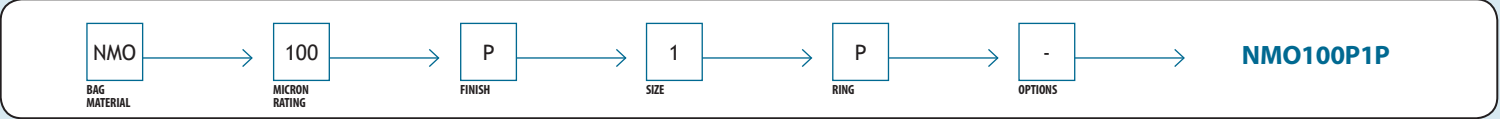
▶ COATINGS

▶ GENERAL CHEMICAL
- ▶ PROCESS WATER

▶ INK INDUSTRY

▶ FOOD AND BEVERAGE INDUSTRY

ORDER GUIDE



Monofilament Mesh Filter Bags are manufactured in a wide range of micron ratings using a single filament weave. Single filament woven media provides two distinct advantages over multi-filament media, excellent fabric strength and perfectly uniformed openings.

Monofilament Mesh is available in 1 through 800 microns as standard and larger for special orders. For applications where clients require no fiber migration at a high level of efficiency, mono-filament material is a perfect fit.

Multifilament Mesh Filter Bags are manufactured in a narrow range of micron ratings using a multi-strand weave.

Multi-strand woven media is very cost effective for those applications where nominal filtration is required. The media openings are nominally spaced apart and require the use of a support basket to optimize filter performance. This media is excellent when applications require fiber free products from 100 micron up to 800 micron nominal efficiency range.



Monofilament Mesh is a woven fabric where each thread is a single filament,boasting excellent strength with no fiber migration. Providing extra strength and abrasion resistance, and offering a broad range of chemical compatibility, Monofilament Mesh bags are available in nylon, polyester and polypropylene.

Mutiflament Mesh is a woven fabric where each strand consists of many smaller diameter threads. Multi-filament Mesh filters are manufactured in a narrow range of micron ratings using a multi-strand weave, and are available in nylon and polyester.



MONOFILAMENT MESH

- ▶ NYLON MONOFILAMENT IS FDA AND EU COMPLIANT
- ▶ RELIABLE AND PREDICTABLE FILTRATION PERFORMANCE DUE TO A HIGHLY UNIFORMED HOLE CONFIGURATION
- ▶ NON-FIBER RELEASING MATERIAL FOR HIGH PURITY APPLICATIONS
- ▶ EXTREMELY WIDE CHEMICAL COMPATIBILITY
- ▶ VERY HIGH TENSILE STRENGTH
- ▶ HYGIENICALLY SUPERIOR DUE TO INSIDE-OUT FLOW DYNAMIC, ALL IMPURITIES ARE CONTAINED INSIDE THE ELEMENT
- ▶ MINIMAL PRODUCT LOSS DUE TO QUICKER DRAIN OFF OF FILTERED PRODUCT

MULTIFILAMENT MESH

- ▶ AVAILABLE IN A HIGHLY CHEMICAL RESISTANT NYLON MATERIAL
- ▶ VERY COST EFFECTIVE
- ▶ NON-FIBER RELEASING MATERIAL
- ▶ REDUCED PRODUCT LOSS DUE TO VIRTUALLY NO MEDIA HOLD UP VOLUME
- ▶ EXCELLENT NOMINAL EFFICIENCY PERFORMANCE WHEN UTILIZED WITH A SUPPORT BASKET
- ▶ SUPERIOR TO CARTRIDGE FILTRATION DUE TO INSIDE-OUT FLOW DYNAMIC, ALL IMPURITIES ARE CONTAINED INSIDE THE FILTER BAG

ORDER OPTIONS

STYLE	
- A	Standard *Automotive <small>* Not available for NMU, PEMU</small>
MATERIAL	
NMO PEMO POMO NMU PEMU	Nylon Monofilament *Polyester Monofilament *Polypropylene Monofilament Nylon Multifilament Polyester Multifilament <small>* Minimum order quantities may apply</small>
MICRON RATINGS	
NMO PEMO POMO	1, 5, 10, 25, 35, 50, 75, 100, 125, 150, 200, 250, 300, 400, 600, 800
NMU PEMU	100T, 100F, 150, 200, 250, 300, 400, 600, 600T, 800
FINISH	
P	Plain
SIZE	
1 2 3 4 25 30 50 65	7" x 16" 7" x 32" 4.08" x 8" 4.08" x 14" 4" x 9" 4.118" x 10" 4" x 21" 4.118" x 22"
RING	
P M PER MER DS S SS PR N Z	Polypropylene P-Flange Polypropylene M-Flange Polyester P-Flange Polyester M-Flange Draw String Carbon Steel Ring Stainless Steel Ring Polypropylene Ring No Ring *Polypropylene Z-Flange <small>* Fits Size 25, 50 bags only</small>
OPTIONS	
HS	Handle-Strap

NEED A VESSEL FOR YOUR BAGS?

For the Monofilament Mesh and Multifilament Mesh, the following vessel types are most commonly used:

SRX—PAGE 134 SRHD—PAGE 136 SRID—PAGE 138 SRL—PAGE 132
SRMX—PAGE 134 SRMB—PAGE 142 SRVB—PAGE 140

As always, discuss your options with your local sales representative to find the best fit for your application.

POXL & PEXL X-TRA LIFE FILTER BAGS

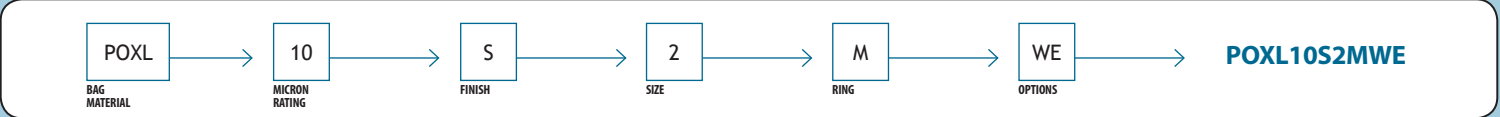
Extended Life Bags

- ▶ INKS, PAINTS & COATINGS

▶ GENERAL CHEMICAL
- ▶ PROCESS WATER

▶ FOOD AND BEVERAGE INDUSTRY

ORDER GUIDE



X-TRA Life Filter Bags utilize state-of-the-art needling technology providing outstanding filtration performance in a variety of applications.

Our polyester and polypropylene X-TRA Life materials utilize a proprietary fiber blend configuration to create a media that is heavier, thicker and stronger than standard felted media. This formulation delivers enhanced efficiencies, without increasing initial differential pressure.

Both the POXL and PEXL bags are ideal for removing gels, irregular shaped particles in liquid streams with a wide particle size distribution. X-TRA Life Filter Bags are available in designs that comply with both FDA and EC requirements for food and beverage contact.

- ▶ FIELD TESTS ARE VERIFYING THAT OUR POXL AND PEXL FILTERS LAST AN AVERAGE OF 2 TO 4 TIMES LONGER THAN CONVENTIONAL BAGS
- ▶ REDUCED OPERATING COSTS DUE TO FEWER BAG CHANGEOUTS
- ▶ REDUCED LABOR COSTS ASSOCIATED WITH FEWER BAG CHANGES
- ▶ REDUCED DISPOSAL COST
- ▶ INCREASED PRODUCTIVITY DUE TO STAYING ONLINE LONGER BETWEEN CHANGEOUTS
- ▶ THERMALLY TREATED FABRIC FINISH WHICH VIRTUALLY ELIMINATES THE POSSIBILITY OF FIBER MIGRATION
- ▶ FULLY WELDED CONSTRUCTION UTILIZING OUR SURE-WELD TECHNOLOGY IS STANDARD ON POXL BAGS



POXL and PEXL bags are available with Sure-Weld technology. Our proprietary “Tri-Seal” P-flange provides a distinct advantage compared to conventional sewn filter bag with metal snap rings or industry standard poly flanges. Using state-of-the-art welding technology specifically designed to bond needle punched textile fabrics, we are able to offer the strongest most reliable welded filter bags on the market.

Our Sure-Weld filters come with the security of an overlap side seam, which eliminates the “bump” that occurs with conventional sewn snap ring filters. By welding to a “Tri-Seal”P-flange our fully welded filter bags offer unparalleled seal security, which delivers superior filtrate consistency.



AVAILABLE MICRON RATINGS		
POXL - Polypropylene Extended Life - 1, 5, 10, 25, 50, 75, 100		
PEXL - Polyester Extended Life - 1, 5, 10, 25, 50, 75, 100		
POLYPROPYLENE - CHEMICAL COMPATIBILITY**		
TEMPERATURE	CHEMICAL	COMPATIBILITY
200°F	Acids	Excellent
200°F	Alkali	Excellent
200°F	Oxidizing Agents	Excellent
200°F	Solvents	Average
POLYESTER - CHEMICAL COMPATIBILITY**		
TEMPERATURE	CHEMICAL	COMPATIBILITY
300°F	Weak Acids	Good
300°F	Strong Acids	Good
300°F	Weak Alkali	Poor
300°F	Strong Alkali	Poor
300°F	Solvents	Very Good
300°F	Petroleum Products	Very Good

**Reflective of Filter Bag Material only. Please consult with your Application Engineer to verify specific chemical compatibility

ORDER OPTIONS

MATERIAL	
POXL PEXL	Polypro. Extended Felt Life Polyester Extended Felt Life
MICRON RATINGS	
POXL - 1, 5, 10, 25, 50, 75, 100 PEXL - 1, 5, 10, 25, 50, 75, 100	
FINISH	
S N	Singed Nylon Mesh Cover
SIZE	
1 2	7" x 16" 7" x 32"
RING	
P M PER MER	Polypropylene P-Flange Polypropylene M-Flange Polyester P-Flange Polyester M-Flange
OPTIONS	
WE	Sure-Weld

NEED A VESSEL FOR YOUR BAGS?

For the POXL and PEXL, the following vessel types are most commonly used:

SRX—PAGE 134

SRHD—PAGE 136

SRID—PAGE 138

SRMX—PAGE 134

SRMB—PAGE 142

SRVB—PAGE 140

As always, discuss your options with your local sales representative to find the best fit for your application.

EVP/EVP-A ENHANCED VERTICAL PLEAT

Extended Life Bags

- GLYCOLS

► AMINES

► COOLANTS

► ADHESIVES

► RESINS
- PETRO-CHEMICALS

► FINE CHEMICALS

► PLATING SOLUTIONS

► FOOD & BEVERAGE APPLICATIONS
- INKS, PAINTS & COATINGS

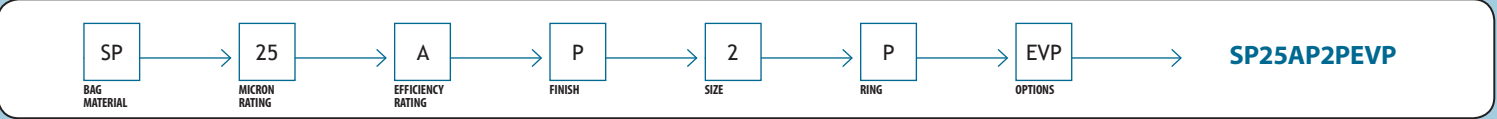
► COOLING TOWERS

► DOWN WELL INJECTION

► CUTTING FLUIDS

► HIGH PURITY WATER

ORDER GUIDE



Strainrite's **EVP (Enhanced Vertical Pleat)** filters are the product of years of successful, application specific filtration in a variety of industries, using the Model 8T as the genesis of the Value-Life Series.

By working closely with our distributor partners, and their valued customers, we have learned how to amplify the critical features that make the **EVP** the greatest value in the filtration marketplace today. With proprietary advances in pleat profile and rigidity, graded density materials of construction, and utilized surface area, no filter element provides equal filtration performance, life and loading capacity at a similar price.



- OPTIMIZED PLEAT PROFILE RIGIDITY PROVIDES > 50% INCREASES IN SURFACE AREA UTILIZATION INCREASE AND PROTECTS FINAL FILTER MEDIA FROM PREMATURE BLINDING AND INCREASES FILTER LIFE
- TRUE GRADED DENSITY DESIGN AND INCREASED SURFACE AREA
- REDUCED FILTER ELEMENT DISPOSAL COSTS
- LONGER, UNINTERRUPTED RUN TIMES
- REDUCED EMPLOYEE EXPOSURE, REDUCED PRODUCT LOSS AND REAL LABOR COST-SAVINGS DUE TO FEWER FILTER CHANGE-OUTS
- NO EQUIPMENT MODIFICATION REQUIRED, FITS ALL INDUSTRY STANDARD #1 AND #2 SIZE BAG HOUSINGS
- CARBON STEEL AND STAINLESS STEEL RINGS AND PLASTIC FLANGES; HANDLE STRAP INCLUDED
- OPTIONAL ZERO-BYPASS VESSELS AVAILABLE

EVP-A

- FDA COMPLIANT

AQUA-RITE EVP

- ABSOLUTE RATED COVER PROVIDES PROTECTION AND CLASSIFICATION WHILE MAINTAINING THE GRADIENT DEPTH OF THE STANDARD EVP

NEED A VESSEL FOR YOUR BAGS?

For the EVP/EVP-A and Aqua-Rite EVP, the following vessel types are most commonly used:

SRX—PAGE 134 SRHD—PAGE 136 SRID—PAGE 138
SRMX—PAGE 134 SRMB—PAGE 142 SRVB—PAGE 140

As always, discuss your options with your local sales representative to find the best fit for your application.

RESULTS FROM FIELD CASE STUDIES - SURFACE AREA AND LIFE IMPROVEMENT

Product Styles	Bag Life	Surface Area in Square Feet						
		5	10	15	20	25	30	35
#2 Size Filter Bag (SP1P25)	1 Day	[Bar chart showing 4 square feet]						
Value Life EVP (SP1P25-EVP)	11 Days	[Bar chart showing 14 square feet]						

RESULTS FROM FIELD CASE STUDIES - WASTE WATER STUDY

Product Styles	Filter Life in Hours						
	5	10	15	20	25	30	35
AP10P25	[Bar chart showing 7 hours]						
AP10P25-EVP	[Bar chart showing 14 hours]						

OPTIMIZED PLEAT PROFILE



14 square feet (size 2) of media
versus 4 square feet of media standard bag

7 square feet (size 1) of media
versus 2 square feet of media standard bag

Fits in standard size 1 / size 2 housing

ORDER OPTIONS

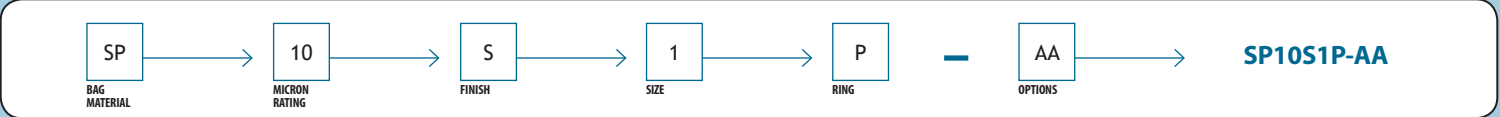
MATERIAL	
SP AP AR	Polypropylene Felt Polyester Felt* Aqua-Rite Polypropylene Felt* <small>*Not available in Absolute efficiency</small>
MICRON RATINGS	
1T, 1, 5, 10, 25, 50, 75*, 100*, 150*, 200* <small>*Not available in Absolute efficiency</small>	
EFFICIENCY RATING	
A -	Absolute Nominal
FINISH	
S P	Singed* Plain <small>*Not available in Absolute efficiency</small>
SIZE	
1 2	7" x 16" 7" x 32"
RING	
P M PER MER S SS	Polypropylene P-Flange Polypropylene M-Flange Polyester P-Flange* ** Polyester M-Flange* ** Carbon Steel Ring** Stainless Steel Ring** <small>*Not available in Aqua-Rite **Not available in Absolute efficiency</small>
OPTIONS	
EVP	Enhanced Vertical Pleat

AA - ADDITIONAL AREA NEEDLE-PUNCH FELT

Extended Life Bags

- ▶ INKS, PAINTS & COATINGS
- ▶ EDIBLE OILS
- ▶ PROCESS WATER
- ▶ WASTE WATER
- ▶ FOOD & BEVERAGE INDUSTRY

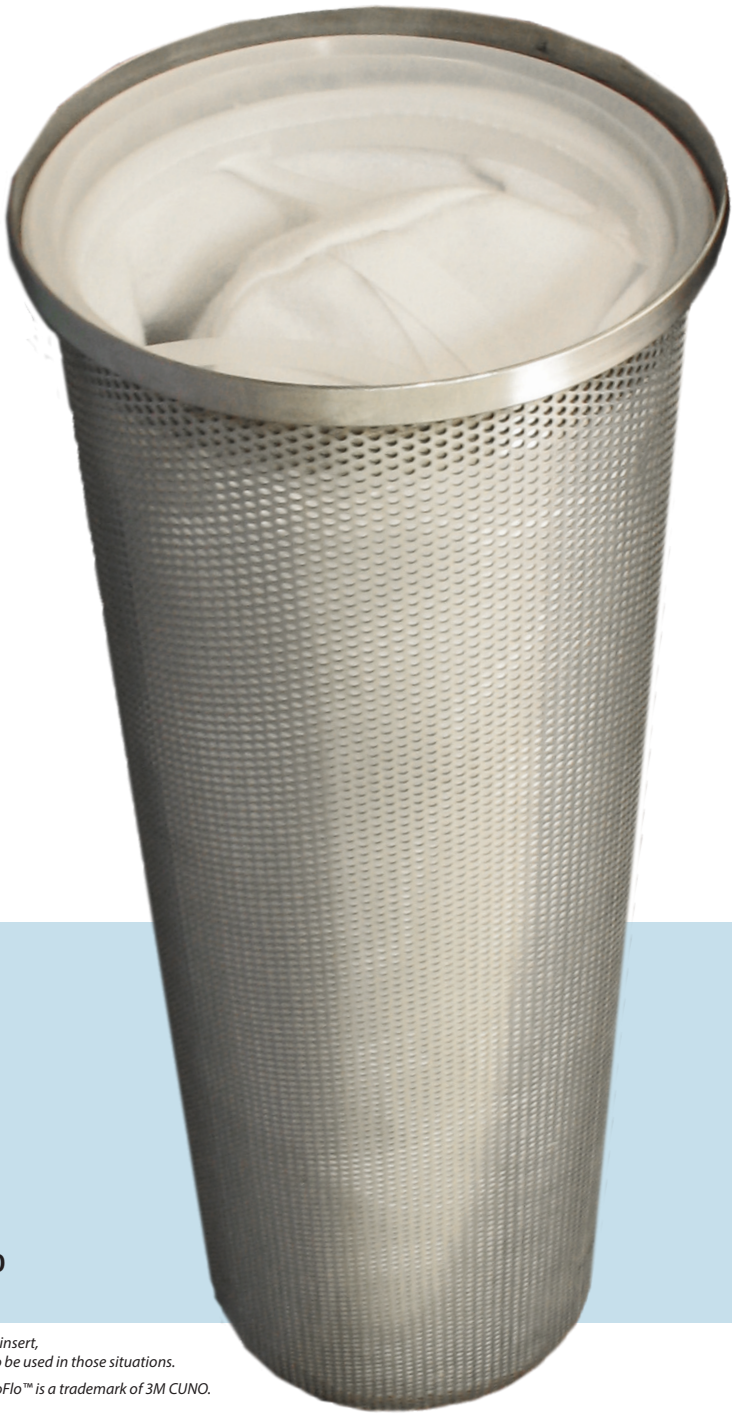
ORDER GUIDE



Added Area AA bags provide 65% more surface area and frequently provide a vastly disproportionate benefit – life advantages of 4-5 x have been reported (actual benefit for a given application must be assessed on a case-by-case basis).

The Strainrite Companies offer the widest range of needle punch felt filters in the market. We have formed long term strategic partnerships with North America’s largest and most respected needle punch manufacturers.

All of our fabrics are manufactured on state-of-the art high speed needling equipment that continuously monitor key specifications in real time resulting in the most uniform and consistent fabric across the entire web in our industry. By combining our technically advanced converting process with industry’s most reliable media The Strainrite Companies offers The AA, a felt filter bag that leads in product quality, reliability and repeatability.



The BRB-AA Resinator filter bag combines the benefits of added filter area with a resin-bonded filter medium that provides extra-ordinary life and high quality filtration for coatings, resins, paints, and adhesives. The non-compressible filter medium is ideal for high viscosity fluids. The phenolic-resin impregnated filter medium is tolerant to temperatures of 250°F when used with polyester hardware.

Note: The BRB-AA Resinator filter bag is not intended for food, beverage and pharmaceutical applications.



- ▶ 65% MORE SURFACE AREA THAN YOUR STANDARD SIZE 2 BAG FILTER
- ▶ UP TO 50% MORE FLOW THAN YOUR STANDARD SIZE 2 BAG FILTER
- ▶ LOWER TOTAL COSTS DUE TO HIGHER SOLIDS LOADING CAPABILITIES
- ▶ REDUCED LABOR COSTS FROM FEWER CHANGE-OUTS
- ▶ SMALLER HOUSING FOOT-PRINT IN NEW APPLICATION
- ▶ LOWER HOLD-UP VOLUME (67% LESS)
- ▶ LESS PRODUCT DRAG-OUT
- ▶ BAGS ARE FULLY WELDED, AVAILABLE IN BOTH 100% POLYPROPYLENE AND 100% POLYESTER CONSTRUCTION

For BRB-AA bags that will not be placed in a fully-welded Strainrite AA basket or will be installed using a non-welded AA insert, contact The Strainrite Companies or your distributor for additional ordering instructions – a length suffix code must also be used in those situations. Polyloc™ is a trademark of the Pall Corporation. Sentinel™ and Hayflow™ are trademarks of the Eaton Corporation. DuoFlo™ is a trademark of 3M CUNO.

NEED A VESSEL FOR YOUR BAGS?

For the AA Added Area, the following vessel types are most commonly used:

- SRX—PAGE 134 SRHD—PAGE 136 SRID—PAGE 138
SRMX—PAGE 134 SRVB—PAGE 142 SRVB—PAGE 140

As always, discuss your options with your local sales representative to find the best fit for your application.

STANDARD BAGS VS. AA BAGS

BAG SIZE	DIAMETER (INCHES)	LENGTH (INCHES)	TOTAL AREA (SQUARE FEET)
1	7.000	16.0	2.44
1-AA	7.000		4.03
2	7.000	30.5	4.66
2-AA	7.000		7.69

RETROFIT / REPLACEMENT FEATURES

Retrofits in standard #1 and #2 bag filter vessels (requires a basket change)

Ease of insertion with fully-welded bottoms

Drop-in replacement for DuoFlo™ and Hayflow™ (no basket change required)

Utilizes both Strainrite P-flange (Polyloc™) and M-Flange (Sentinel™)

ORDER OPTIONS

MATERIAL	
SP AP POXL PEXL BRB	Polypropylene Felt Polyester Felt Extended Life Polypropylene Extended Life Polyester Resin-Bonded Polyester Felt
MICRON RATINGS	
AP: 1T, 1, 5,10, 25, 50, 75, 100, 200 SP: 1T, 1, 5,10, 25, 50, 75, 100, 200 POXL: 1, 5,10, 25, 50, 75, 100 PEXL: 1, 5,10, 25, 50, 75, 100 BRB: 1T,1,5,10,25,50,75,100,200	
FINISH	
S P	*Singed **Plain
SIZE	
1 2	7" x 16" 7" x 32"
RING	
P M PER MER S SS	Polypropylene P-Flange Polypropylene M-Flange Polyester P-Flange Polyester M-Flange Carbon Steel Ring Stainless Steel Ring
OPTIONS	
AA AAH AAC SL-AA	Added Area ^{††} Added Area (Hayflow equivalent) ^{††} Added Area (Cuno equivalent) ^{††} BRB Single Layer Added Area

[†]Not available in BRB-AA
^{††}Not available in POXL or PEXL
^{†††}Not available in POXL, PEXL or BRB-AA
^{††††}Not available in BRB

SPMF HIGH EFFICIENT
High Efficiency Filter Bags

- INKS & PAINTS

► GENERAL CHEMICAL

► OIL INDUSTRY

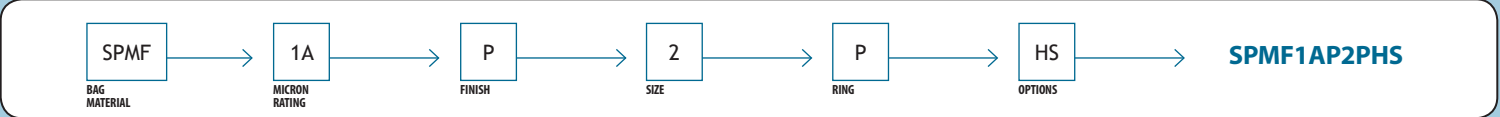
► PHARMACEUTICAL INDUSTRY
- AMINES

► PROCESS WATER

► MICROELECTRONICS INDUSTRY

► FOOD & BEVERAGE INDUSTRY

ORDER GUIDE



SPMF High Efficient Filter Bags are an excellent choice over cartridges for many applications and still offer absolute filtration. A series of different sieve opening layers achieves maximum surface area and longer life exceeding cartridge life substantially. SPMF bags do offer lower operating cost and still maintain the use of existing filter housings without the expense of new capital equipment.

All Strainrite SPMF bags are totally welded with our proprietary welding techniques to assure no particulate bypass and best cleanliness. Strainrite’s chemically resistant polypropylene flange withstands and responds to increased flow rates and improves over high ranges of pressure, temperatures and microns. The molded (built-in) handles make quick and easy bag removal.



Strainrite’s SPMF bags are developed to deliver longer life and absolute filtration. Each inner component is developed specifically to achieve continuous finer filtration inside to out with gradual particulate removal separation. Actual production runs have proven longer life and more effective clarity. 100% polypropylene construction, silicone free all in one easily disposable bag makes filtering very cost effective.

Strainrite’s SPMF filter bags give absolute micron filtration and are available in 1A, 5A, 10A and 25 A micron ratings. Our bags replace expensive absolute rated cartridges by reducing filter costs due to bags having substantially more surface area. Standard needle punched felt bags are made from nominally rated media that has a fiber structure that is not as fine a filtration grade as melt blown media used in Strainrite’s SPMF bags. Our bags have been designed to deliver calibrated fractional efficiency on very small particles down to less than one micron. Strainrite’s SPMF bags are completely welded and welded to our snap type polypropylene molded flange.

ABSOLUTE RATED RETENTION
1, 2, 5, 10, 25
FINISH
PLAIN

- ALL COMPONENTS USED IN SPMF BAGS ARE FDA/EC LISTED MATERIALS FOR FOOD AND BEVERAGE APPLICATIONS
- AVAILABLE IN 1A, 2A, 5A 10A AND 25A ABSOLUTE EFFICIENCIES
- AVAILABLE WITH ZERO-BYPASS, 5 POINTS-OF-SEAL, EDPM TOP FLANGE AND OPTIONAL COMPRESSION DEVICE

NEED A VESSEL FOR YOUR BAGS?
For the SPMF, the following vessel types are most commonly used:
SRX—PAGE 134 SRHD—PAGE 136 SRID—PAGE 138
SRMX—PAGE 134 SRMB—PAGE 142 SRL—PAGE 132
As always, discuss your options with your local sales representative to find the best fit for your application.

ORDER OPTIONS

MATERIAL	
SPMF	SPMF High Efficient
MICRON RATINGS	
1A, 2A, 5A, 10A, 25A	
FINISH	
P	Plain
SIZE	
1 2	*7" x 16" 7" x 32" <small>*Not available in 1A, 2A</small>
RING	
P M S SS	Polypropylene P-Flange Polypropylene M-Flange Carbon Steel Ring Stainless Steel Ring
OPTIONS	
HS	Handle Strap

HI-PRO MICRO
High Efficiency Filter Bags

- PAINTS
GENERAL CHEMICAL
FOOD & BEVERAGE INDUSTRY
- COATINGS
PRODUCED WATER FROM GAS DRILLING
HIGH PURITY WATER

ORDER GUIDE



The Strainrite Companies introduced the Hi-Pro Micro line of high-performance filter bags several years ago and it has proved to be a very successful product. This line provides a full range of absolute rated filter bags to meet all your exacting needs. All four editions of the Hi-Pro Micro (HPM) line incorporate Strainrite’s unique graduated layering of media — starting with a built-in pre-filter inner layer and progressing to the tighter outer layers. The smaller particles are systematically removed as fluid travels through multiple layers with each individual layer performing a special function. This graduation aids in the prevention of premature blinding which causes unnecessary filter change out.

The product line offerings include the Hi-Pro Micro 9200, the Hi-Pro Micro 9500, the Hi-Pro Micro 9700, and the ultimate in bag filtration, the Hi-Pro Micro 9900.



HPM-9200 & HPM-9500:

- WELL SUITED FOR APPLICATIONS REQUIRING REMOVAL OF SPECIFIC PARTICLE SIZES FROM LIQUIDS AT A REASONABLE COST/BENEFIT RATIO
- UP TO 95% EFFICIENCY

HPM-9700 & HPM-9900:

- UP TO 99% EFFICIENCY
- BEST CHOICE FOR OIL CONTAMINATION
- EFFECTIVE REMOVAL OF GEL-LIKE PARTICLES

AQUA-RITE HPM-9900:

- ANSI/NSF STANDARD 61 COMPLIANT
- MEETS REQUIREMENTS OF 40 CFR PARTS 141 & 142
- LT2 ENHANCED SURFACE WATER TREATMENT RULE (INDEPENDENTLY PERFORMED BY BIOVIR LABORATORIES INC.)
- APPROVED IN CALIFORNIA FOR 3 LOG REDUCTION USING STRAINRITE’S PRE & FINAL BAG SYSTEM
- BEST CHOICE FOR GIARDIA AND CRYPTOCYSTS

NEED A VESSEL FOR YOUR BAGS?
For the Hi-Pro Micro, the following vessel types are most commonly used:
SRX—PAGE 134 SRHD—PAGE 136 SRID—PAGE 138
SRMX—PAGE 134 SRMB—PAGE 142 SRL—PAGE 132

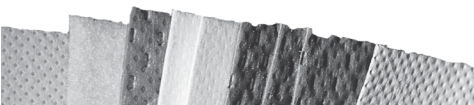
For the Aqua-Rite Hi-Pro Micro, the following vessel type is most commonly used:
AQ2—PAGE 146

As always, discuss your options with your local sales representative to find the best fit for your application.

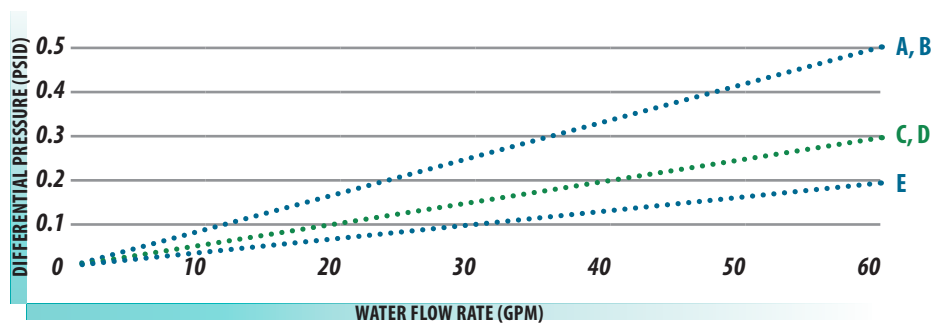
An unrivaled product, Strainrite’s Aqua Rite Hi-Pro Micro line is the product suggested by the U.S. Environmental Protection Agency for the most effective removal of giardia and other cysts. Strainrite’s product has the lowest standard deviation of any other filter, which means users achieve more consistent results from batch to batch. Equally important, this product presents the ultimate value in high purity filtration. The product line includes the HPM99-CC-2SR and HPM99-CCX-2SR, the ultimate in bag filtration. The two bags work in combination to achieve our drinking water approved system

UNIQUE GRADUATED FILTER DESIGN

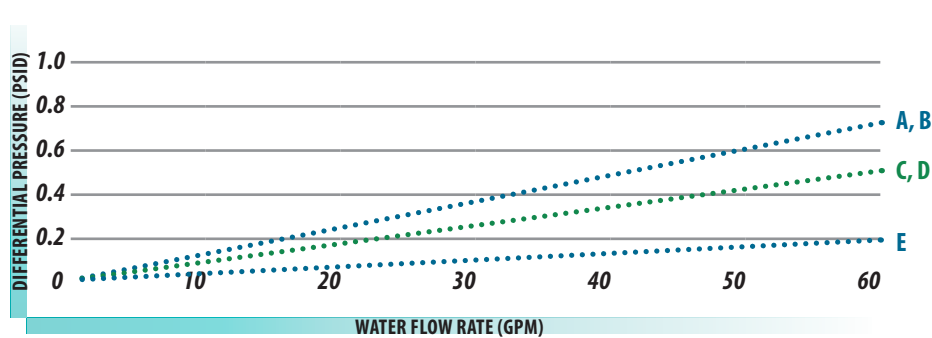
All four editions of the Hi-Pro Micro (HPM) line incorporate Strainrite’s unique graduated layering of media — starting with a built-in pre-filter inner layer and progressing to the tighter outer layers.



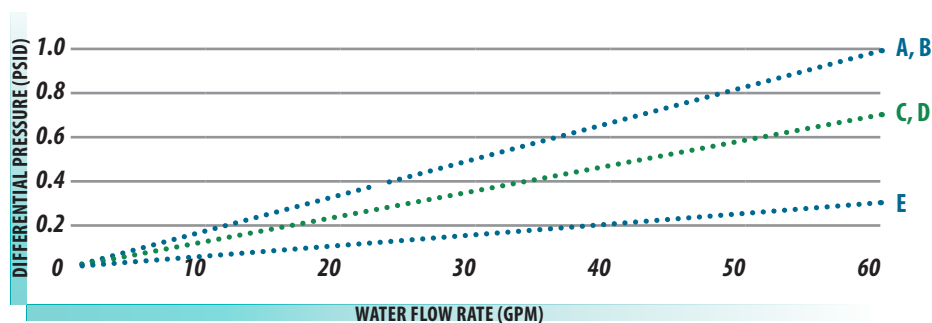
PERFORMANCE CHARACTERISTICS - HPM 9200 SERIES



PERFORMANCE CHARACTERISTICS - HPM 9500 SERIES



PERFORMANCE CHARACTERISTICS - HPM 9700 SERIES



ORDER OPTIONS - HPM

MATERIAL	
HPM	Hi-Pro Micro
EFFICIENCY	
99	9900 Series - 99%
97	9700 Series - 97%
95	9500 Series - 95%
92	9200 Series - 92%
MICRON RATING	
A	1.0
B	3.5
C	5.0
D	10.0
E	25.0
SIZE	
1	7" x 16"
2	7" x 32"
3	4.08" x 8"
4	4.08" x 14"
25	4" x 9"
30	4.118" x 10"
50	4" x 21"
65	4.118" x 22"
RING	
P	Polypropylene P-Flange
M	Polypropylene M-Flange
S	Carbon Steel Ring
SS	Stainless Steel Ring
Z	Polypropylene Z-Flange*
*Fits Size 25, 50 bags only	

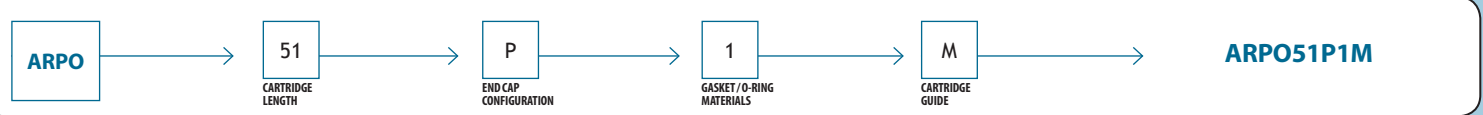
ORDER OPTIONS: AQUA-RITE HPM

AQUA-RITE HI-PRO MICRO	
HPM99-CC-2SR	Primary Filter (pre-filter)
HPM99-CCX-2SR	Secondary Filter (final filter)

ACCURITE ULTRA-EFFICIENT
High Efficiency Filter Bags - Polypropylene Support

- INKS & PAINTS
GENERAL CHEMICAL
PETROCHEMICAL
PHARMACEUTICAL INDUSTRY
COATINGS
PROCESS WATER
MICROELECTRONICS INDUSTRY
FOOD & BEVERAGE INDUSTRY

ORDER GUIDE



Accu-Rite Ultra-Efficient Filter Bags achieve efficiencies greater than 99% and are available in 1.5, 3, 10 and 25 micron ratings. They are an excellent choice where the convenience of bag filtration is required in combination with absolute filtration. We employ specially-engineered filtration layers in combination to achieve maximized performance in terms of filter life and particle retention. Accu-Rite bags offer lower operating cost while permitting the use of existing filter housings without the expense of new capital equipment.



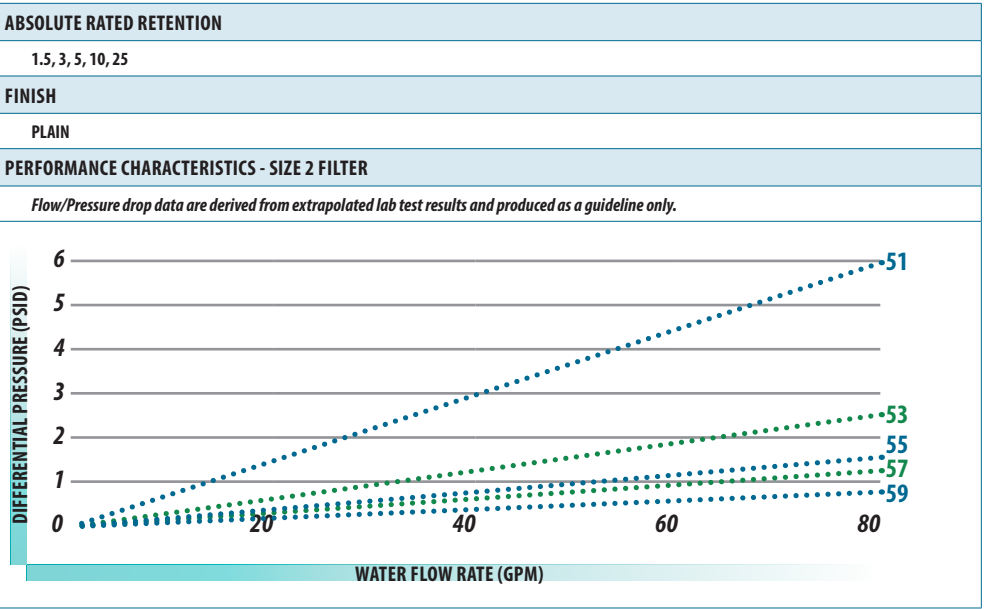
- ALL COMPONENTS USED IN ACCU-RITE ULTRA-EFFICIENT FILTER BAGS ARE FDA/EC LISTED MATERIALS FOR FOOD AND BEVERAGE APPLICATIONS
- AVAILABLE IN 1.5, 3, 5, 10 AND 25 ABSOLUTE EFFICIENCIES
- AVAILABLE WITH ZERO-BYPASS, 5 POINTS-OF-SEAL, EDPM TOP FLANGE AND OPTIONAL COMPRESSION DEVICE
- POLYPROPYLENE COVER INCLUDED ON SIZE 1 AND 2 FILTER BAGS TO FACILITATE CHANGE-OUT.

All Strainrite Accu-Rite bags are totally welded with our proprietary welding techniques to assure absence of particulate bypass and best cleanliness. Strainrite’s chemically-resistant polypropylene flange withstands and responds to increased flow rates, performing reliably over high ranges of pressure and temperature, and providing a high-performance seal consistent with the micron rating of the filter. The molded (built-in) handles make quick and easy bag removal.

Strainrite has achieved superior results by engineering a filter construction that removes progressively smaller contaminants as fluids move from upstream to downstream through our proprietary filter media. Actual production runs have proved that the Accu-Rite Ultra-Efficient Filter Bags provide longer life and superior clarity. These filters, comprised of 100% polypropylene filter medium with polypropylene support, are manufactured in a silicone free facility in which each employee has received CRATER training.

Accu-Rite filters are available with a variety of rings and flanges to fit most filter housings. This includes Strainrite’s M-Flange which is employed in retrofitting a competitor’s Sentinel™ flange*.

*Sentinel™ is a trademark of Eaton Corporation.



ORDER OPTIONS

MATERIAL	
ARPO	Accu-Rite
CARTRIDGE LENGTH	
51 53 55 57 59	1.5µ - 99% 3µ - 99% 5µ - 99% 10µ - 99% 25µ - 99%
FINISH	
P	Plain
SIZE	
1 2	7" x 16.5" 7" x 30.5"
RING	
P M S SS	Polypropylene P-Flange Polypropylene M-Flange Carbon Steel Ring Stainless Steel Ring

NEED A VESSEL FOR YOUR BAGS?
For the Accu-Rite, the following vessel types are most commonly used:
SRX—PAGE 134 SRHD—PAGE 136 SRID—PAGE 138
SRMX—PAGE 134 SRMB—PAGE 142 SRL—PAGE 132
As always, discuss your options with your local sales representative to find the best fit for your application.

BRB / BRB-AA RESINATOR

Resin-Bonded Specialty Bags

- INKS

► PAINTS

► COATINGS

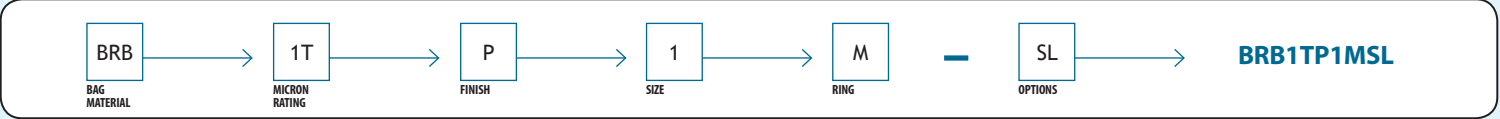
► HYDRAULIC FLUIDS
- RESINS

► ADHESIVES

► PRODUCED FLUIDS

► PETROLEUM PRODUCTS

ORDER GUIDE



Once again, The Strainrite Companies delivers true filtration innovation by combining only the positive qualities of resin-bonded cartridges with the proven advantages of a Strainrite premium quality filter bag.

Resinator users gain the non-compressible media depth of a resin filter, along with the greatly enhanced solids loading capacity and cost saving features of a Strainrite gradient-density filter bag. This product excels in a wide variety of high viscosity fluid filtration applications where authoritative removal of problematic gels is required.

These “hard body” filter bags represent a significant advancement in the utilization of rigid fiber technology and illustrate the leadership role The Strainrite Companies plays in supplying vision and technical leadership when designing and manufacturing liquid filter bags.

This graduated double layer product design combines the depth loading efficiency of resin bonded cartridges with the greater dirt loading capacity of a filter bag creating the most cost effective method for filtering both low and high viscosity fluids.



New: **Resinator** filter bags are now available in an **AA (added area) configuration**. This configuration provides 70% more surface area and often provides a disproportionately larger benefit. A **Resinator** filter bag in the **AA** configuration combines the benefits of a non-compressible filter medium and the extended filter life and greater throughputs of added surface area. (Requires use of an **AA basket**.)



ORDER OPTIONS

MATERIAL	
BRB	Resin-Bonded Polyester Felt
MICRON RATINGS	
1T,1,5,10,25,50,75,100,200	
FINISH	
P	Plain
SIZE	
1	7" x 16"
2	7" x 30.5"
RING	
P	Polypropylene P-Flange
M	Polypropylene M-Flange
PER	Polyester P-Flange
MER	Polyester M-Flange
SHS	Carbon Steel Ring w/ Handle Strap*
SSHS	Stainless Steel Ring w/ Handle Strap*
PRHS	Polypropylene Ring w/ Handle Strap*
*Not available for AA bags	
OPTIONS	
-	Double Layer Standard Bag
SL	Single Layer Standard Bag
SLAA	Single Layer Added Area Bag

- NON-COMPRESSIBLE MEDIA DEPTH
- RIGID FIBER TECHNOLOGY
- GRADUATED DOUBLE LAYER
- HIGH DIRT LOADING CAPACITY

** note: for AA bags that will not be placed in a Strainrite-manufactured AA basket, or that will be used with a basket-insert, a non-standard length bag may be required. Contact your Strainrite distributor for assistance.

NEED A VESSEL FOR YOUR BAGS?

For the BRB Resinator, the following vessel types are most commonly used:

SRX—PAGE 134

SRHD—PAGE 136

SRID—PAGE 138

SRMX—PAGE 134

SRMB—PAGE 142

SRVB—PAGE 140

As always, discuss your options with your local sales representative to find the best fit for your application.

MAXIMUM OPERATING TEMPERATURE

180°F (80°C) with polypropylene hardware

250°F (121°C) with polyester hardware or metal ring