

Universal Filters, Inc.



High Efficiency Filter Bags

- ◆ **POMB** “Standard” Series Meltblown Polypropylene Filter Bags
- ◆ **POMA** “High Efficiency” Series Meltblown Polypropylene Filter Bags
- ◆ **POMX** “Ultra” Series Meltblown Polypropylene Filter Bags

High Efficiency Filter Bags

Universal Filters, Inc. manufactures a complete line of High Efficiency filter bags. These filter bags are effective in applications where higher filtration efficiencies are needed. All High Efficiency filter bags are available in a wide variety of sizes to fit common filter bag housings. Custom size High Efficiency filter bags can be manufactured.

POMB Series

The POMB "Standard" Series Meltblown Polypropylene Filter Bag features multi-layer construction to achieve high efficiency ratings.

The POMB series is available in micron ratings from 0.5 to 200. Use when high filtration efficiencies are desired.



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POMA Series

The POMA “High Efficiency” Series Meltblown Polypropylene Filter Bag utilizes both multi-layer and prefilter construction to achieve high efficiency ratings AND high dirt loading capacities.

The POMA series is available in micron ratings from 0.5 to 200.

Excellent for filtering large amounts of particulate, especially in small micron ranges.



POMX ULTRA Series

The **POMX** “Ultra” Series Meltblown Polypropylene Filter Bag achieves even higher efficiency ratings than the POMA Series AND high dirt loading capacities.

Use the POMX “Ultra” Series Filter Bag when maximum filtration efficiency is required.

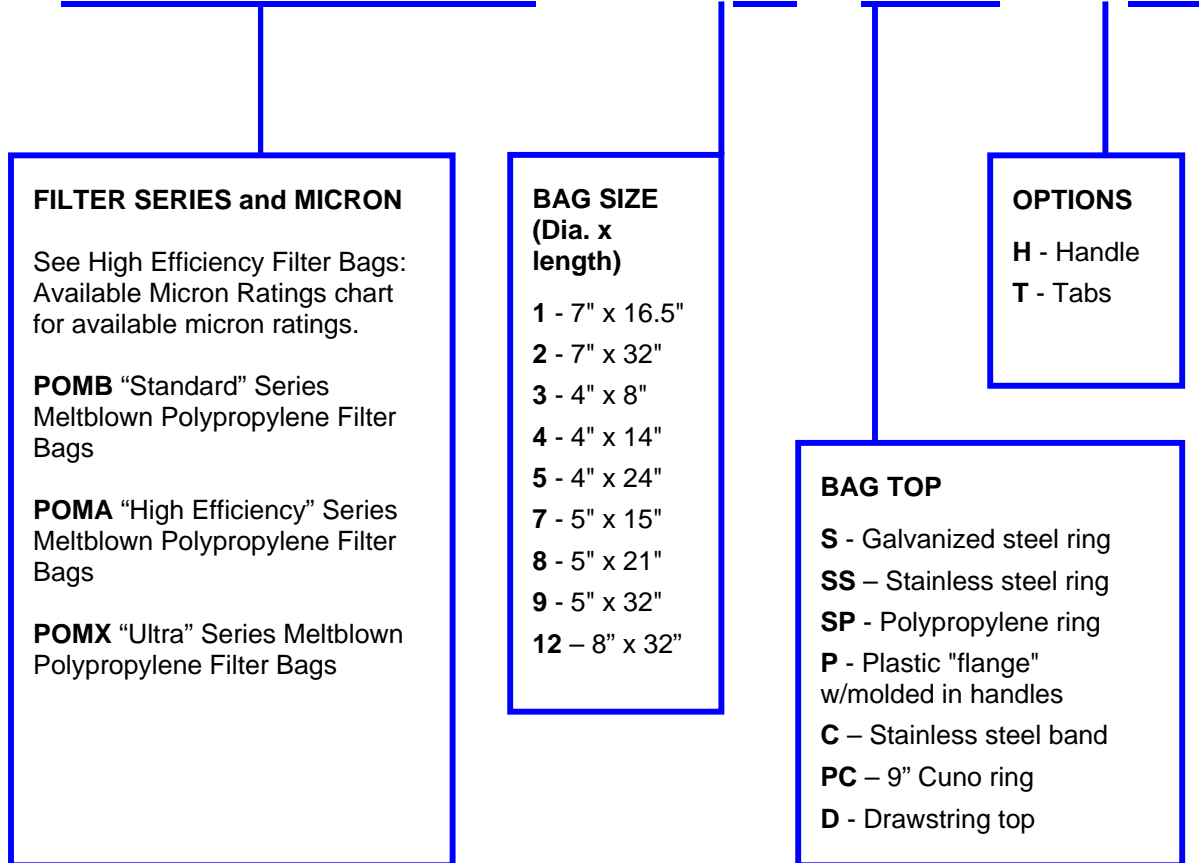
High Efficiency Filter Bags: Available Micron Ratings

SERIES	0.5	1	2	3	5	8	10	15	20	25	50	75	100	200
POMB		●		●	●		●			●	●	●	●	●
POMA	●	●		●	●		●	●		●	●	●	●	●
POMX	●	●	●	●	●	●	●	●	●	●	●			

How To Order

Build an ordering code as shown in this example:

POMA - 1 - P 2 SP - H



This chart shows only the most common part numbers. There are additional sizes, bag tops, and options available that do not appear here. Please call with your needs.

Universal Filters, Inc.

100 Series High Efficiency Filter Bag



Features:

- ◆ Meltblown microfiber construction for efficient particle removal
- ◆ High dirt loading capacity
- ◆ FDA food grade materials throughout
- ◆ Oil-adsorbent
- ◆ Silicone-free
- ◆ Available in all industry sizes
- ◆ Available with ring or plastic top

Technical Data

Universal Filters, Inc. 100 Series High Efficiency filter bags are constructed of meltblown polypropylene microfiber filter media for precise and consistent filtration. All 100 Series filter bags have initial efficiency figures of over 90%.

Materials of Construction

Filter Media	Meltblown Polypropylene Microfiber
Thread	All polypropylene
Handle	All Polypropylene (used with ring)
Ring top	Steel, Stainless Steel, or Polypropylene
Plastic top	Polyethylene

All nominal micron ratings have efficiency ratings over 90%.

All guidelines below are approximate and vary with application.

Nominal Micron Rating

Product No.	Micron Rating
123	1.0
124	2.5
125	5.0
126	10.0
128	25.0

Operating Guidelines

Max. Temperature	180 F
Recommended Flow	25 gpm
Max. Flow (water)	65 gpm
Max. System Pressure	300 psi
Max. Differential Pressure (ΔP)	40 psid

Micron ratings at specific efficiency ratings can be determined using the Particle Removal Efficiency Chart below.

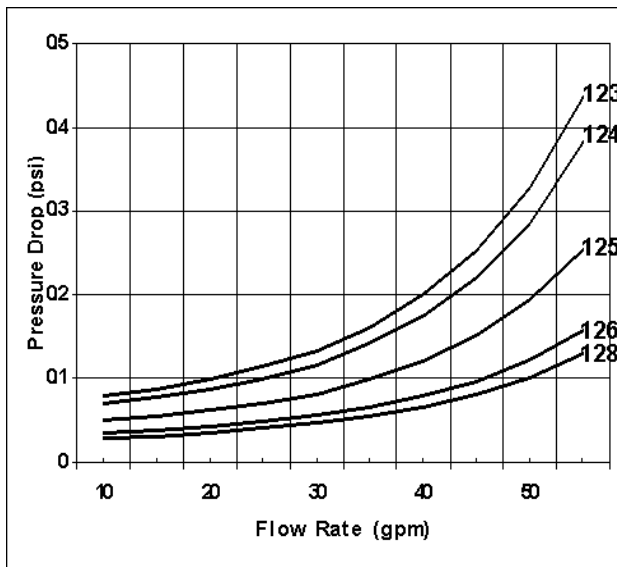
Particle Removal Efficiency Chart

Product Number	123	124	125	126	128
Efficiency @ 95%	1.5	2.5	7.5	10.0	34.0
Efficiency @ 90%	1.3	1.4	6.5	8.0	29.0
Efficiency @ 75%	1.1	1.2	2.6	7.5	21.0
Efficiency @ 50%	<0.8	<1.0	<1.0	5.0	7.0

Capacities Chart

Product Number	123	124	125	126	128
Dirt Holding Capacity (g)	88	175	203	No data	No data
Oil Capacity (g approx)	1750	1750	1600	1130	1130

Pressure Drop Chart



Pressure drop figures above are for water, higher viscosity fluids will have higher ΔP . Filter housing ΔP is not included in this chart and must be added for correct ΔP .

The statements & technical data presented here are based on test data which Universal Filters deems to be reliable, but the accuracy or completeness of such statements and technical data is not guaranteed. Universal Filters makes no warranties, express or implied, including, but not limited to, any implied warranty or merchantability or fitness for a particular purpose. User is responsible for determining whether the product is fit for a particular purpose & suitable for user's application.

How To Order

Build an ordering code as shown in this example:

PO-123 - P2 SS - H
 1 2 3 4

- Product Number
- Bag Size (dia x length)
 - 1 : 7" x 16.5"
 - 2 : 7" x 32"
 - 3 : 4" x 8"
 - 4 : 4" x 15"
 - 12 : 8" x 32"
- Bag Top
 - S : Galvanized steel ring
 - SS : Stainless steel ring
 - SP : Polypropylene ring
 - P : Plastic "flange"
 - C : Parker "C" band
- Options
 - H : Handle
 - T : Pull tabs

Additional sizes, bag tops, and options are available, please call with your requirements.

Universal Filters, Inc.

500 Series High Efficiency Filter Bag



Features:

- ◆ Meltblown microfiber construction for efficient particle removal
- ◆ High dirt loading capacity
- ◆ FDA food grade materials throughout
- ◆ Oil-adsorbent
- ◆ Silicone-free
- ◆ Available in all industry sizes
- ◆ Available with ring or plastic top

Technical Data

Universal Filters, Inc. 500 Series High Efficiency filter bags are constructed of meltblown polypropylene microfiber filter media for precise and consistent filtration. All 500 Series filter bags have initial efficiency figures of over 95%.

Materials of Construction

Filter Media	Meltblown Polypropylene Microfiber
Thread	All polypropylene
Handle	All Polypropylene (used with ring)
Ring top	Steel, Stainless Steel, or Polypropylene
Plastic top	Polyethylene

All nominal micron ratings have efficiency ratings over 95%.

All guidelines below are approximate and vary with application.

Nominal Micron Rating

Operating Guidelines

Product No.	Micron Rating	Max. Temperature	180 F
521	1.0	Recommended Flow	25 gpm
523	1.5	Max. Flow (water)	50 gpm
525	3.0	Max. System Pressure	300 psi
527	8.0	Max. Differential	
529	19.0	Pressure (ΔP)	35 psid

Micron ratings at specific efficiency ratings can be determined using the Particle Removal Efficiency Chart below.

Particle Removal Efficiency Chart

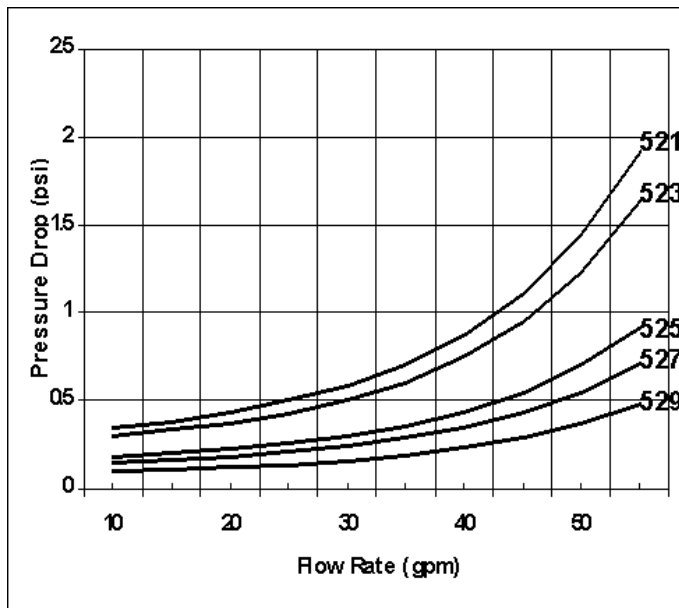
Product Number	521	523	525	527	529
Efficiency @ 98%	2.0	2.5	5.0	19.0	24.0
Efficiency @ 95%	1.0	1.5	3.0	8.0	19.0
Efficiency @ 90%	0.9	0.9	1.5	7.0	17.0
Efficiency @ 75%	<0.8	<7.0	1.0	4.0	10.0

Capacities Chart

Product Number	521	523	525	527	529
Dirt Holding Capacity (g)	244	310	455	No data	No data
Oil Capacity (g approx)	4600	5500	6000	3600	3600

Pressure Drop Chart

Pressure drop figures above are for water, higher viscosity fluids will have higher ΔP . Filter housing ΔP is not included in this chart and must be added for correct ΔP .



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How To Order

Build an ordering code as shown in this example:

PO-525 - P2 SP - H
 1 2 3 4

- Product Number
- Bag Size (dia x length)
 - 1 : 7" x 16.5"
 - 2 : 7" x 32"
 - 3 : 4" x 8"
 - 4 : 4" x 15"
 - 12 : 8" x 32"
- Bag Top
 - S : Galvanized steel ring
 - SS : Stainless steel ring
 - SP : Polypropylene ring
 - P : Plastic "flange"
 - C : Parker "C" band
- Options
 - H : Handle
 - T : Pull tabs

Additional sizes, bag tops, and options are available, please call with your requirements.