



# Absolute Rated Filter Bag MAB Series

SBR201912341

ABSOLUTE RATED FILTER BAG

ABSOLUTE RATED FILTER BAG UNIT

# Contents

<b>Absolute Rated Filter Bag Series</b>	<b>Page 1</b>
<b>Technical Detail</b>	<b>Page 2</b>
<b>How to order</b>	<b>Page 3</b>
<b>Universal Filtration Reference</b>	<b>Page 4</b>

## Absolute Rated Filter Bag MAB Series



### 99% PARTICLE REMOVAL FILTRATION EFFICIENCY

Our new series of absolute rated filter bag designed for high filtration efficiency particle removal of up to 99%, is an ideal replacement for expensive pleated cartridges for cost effective and demanding applications.

Our MAB bags are fully welded, with multi-layers of High efficient PP Melt Blown material to give you precise filtration material used also in FDA compliance that suitable for food & beverage application.

Every MAB bags are covered with a layer of PP woven material, to make it easy for you to install the filter bag, as well as prevent fiber migration.

### Features

- No Silicone Oil or Blinder
- PP Micro Fiber to give you high efficiency filtration
- No sewing hole for possibility of by pass  
Unique design plastic collar for compression sealing mechanism

	Particle removal efficiency
	99 % ( Micron )
MAB-1A	1.5
MAB-3A	3
MAB-5A	5
MAB-10A	10
MAB-25A	25

### Specification

- Material used :  
PP Melt Blown Micro-Fiber
- Filter Bag Size
  - #1 ( 7" dia X 17" length )
  - #2 ( 7" dia X 32" length )
  - #3 ( 4" dia X 9" length )
  - #4 ( 4" dia X 15" length )

## Order Specification Code<sup>1</sup>

### Filter Bag Code **MAB -1A- P 2 E**

Material

PO- Polypropylene

Absolute Rating

1, 3, 5, 10, 25

Size

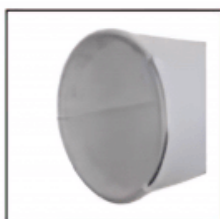
1 – 7" X 17"    2 – 7" X 32"

3 – 4" X 9"    4 – 4" X 15"

Plastic Collar

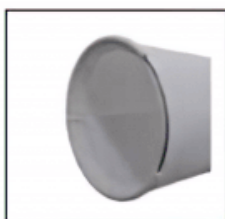
E – Polypropylene

## Filter Bag Ring Materials



"S"

Steel Ring (STD)



"SS"

Stainless steel Ring



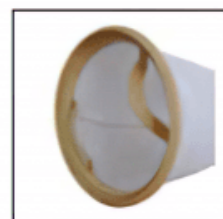
"E"

Polypropylene Ring



"H"

Polyester Ring



"Z"

Nylon Ring

## How To Order From Us

### Send us an inquiry, we will respond with a quote

Whether its for filter housing, filter bags, cartridges, or customisable solutions, we'll respond with a quotation for your needs. We ensure the highest quality finishes and consistency in our products. Email us your requirements and we'll get in touch.

### Purchase order & agreement, and production

Once a purchase order is made and our payments terms are agreed to, we'll begin production of your order. Depending on the order, our lead time would vary between one week to four weeks. We'll keep you updated on the progress and status.

### Completion, delivery, and sea freight

Once completed, we'll arrange a sea freight shipment to your specified location. We deliver internationally. Delivery by courier is also available. Clients can choose to arrange for self collection direct from our factories through a forwarder, if they would like to handle their own shipment.

For Inquiry contact us at [Sales-Inquiry@universal-filtration.com](mailto:Sales-Inquiry@universal-filtration.com)

# Universal Filtration<sup>1</sup> Material Reference

## Universal Filter Bag Materials

Product Code	Bag Material	Manufacture Type
PO	Polypropylene Felt	Sewn/ Welded
POXL	Polypropylene Extended Life Felt	Sewn/ Welded
PE	Polyester Felt	Sewn/ Welded
PEXL	Polyester Extended Life Felt	Sewn/ Welded
NT	Polyaramide	Seam
PTFE	Teflon	Seam
NMO	Nylon Monofilament	Seam
PO-LCR-100	3 layers Polypropylene Meltblown	Sewn/ Welded
PO-LCR-500	8-12 layers Polypropylene Meltblown	Sewn/ Welded

## Universal Filter Bag Specifications

Product Code	Material	Structure	Sewing method	Filtering Method	Operating temperature	Accuracy
PO	Polypropylene	Needle Felt	Sewn/ Welded	Deep	80	engineering
POXL	Long life polypropylene		Sewn/ Welded	Deep	80	engineering
PE	Polyester		Sewn/ Welded	Deep	170	engineering
PEXL	Long life Polyester		Sewn/ Welded	Deep	170	engineering
NT	Polyaramide		Seam	Deep	220	engineering
PTFE	Teflon		Seam	Deep	270	engineering
NMO	Nylon	Monofilament	Seam	Surface	170	absolute
PO-LCR-100	3 layers Polypropylene Meltblown	Meltblown	Sewn/ Welded	Adsorption	80	absolute
PO-LCR-500	8-12 layers Polypropylene Meltblown		Sewn/ Welded	Adsorption	80	absolute

SBR201912341

# Universal Filtration <sup>1</sup> Specification Reference

## Universal Filter Bag Micron Rating Choices

Material	Micron Retention Ratings															
	0.5	1	5	10	25	50	75	100	150	200	250	300	400	600	800	1000
PE	*	*	*	*	*	*	*	*	*	*						
PO	*	*	*	*	*	*	*	*	*	*						
PEXL	*	*	*	*	*	*										
POXL	*	*	*	*	*	*										
NMO				*	*	*	*	*	*	*	*	*	*	*	*	*
PO-LCR-100	*	*	*	*	*	*										
PO-LCR-500	*	*	*	*	*	*										
NT		*	*	*	*	*		*								
PTFE		*	*	*						*						

Sizes and ratings are in microns (1 micron = 0.000001 meters)

## Universal Filter Bag Length and Size Selection

Size Code	Diameter	Bag Length	Flow Rate	Filter Surface Area	Inflated Volume
01	7" (177.8mm)	17" (431.8mm)	20m <sup>3</sup> /h	0.25m <sup>2</sup>	8.0 L
02	7" (177.8mm)	32" (812.8mm)	40m <sup>3</sup> /h	0.50m <sup>2</sup>	17.0 L
03	4" (101.6mm)	8" (203.2mm)	6m <sup>3</sup> /h	0.09m <sup>2</sup>	1.30 L
04	4" (101.6mm)	14" (355.0mm)	12m <sup>3</sup> /h	0.16m <sup>2</sup>	2.50 L
05	4" (101.6mm)	20" (508.0mm)	18m <sup>3</sup> /h	0.20m <sup>2</sup>	3.80 L

\*Custom diameter and bag length available on request

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