



Fully Welded Filter Bag Series

SBR201912341

FULLY WELDED FILTER BAG

FULLY WELDED FILTER BAG UNIT

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Fully Welded Filter Bag Series



ELIMINATE WORRY OF BY PASS DURING FILTRATION

Our fully welded filter bag series ensures there is no by pass in particles. For no compromises, our fully welded filter bags offer 100% by pass free filtration process with full weld around the plastic collar for perfect sealing as well as the seam of felt bag done by ultrasonic technology.

Features

- Five standard industrial sizes available
- Strong and reliable construction
- No sewing hole for possibility of by pass
- Unique design plastic collar for compression sealing mechanism
- Available in 100% construction
- Polypropylene and Polyester Bag
- Silicone free needle felt

Specification

- Material used :
Polypropylene, Polyester
- Micron rating available :
0.5, 1, 5, 10, 25, 50, 75, 100, 150, 200 micron
- 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)
 - #5 (6" dia X 20" length)

Order Specification Code¹

Filter Bag Code **PO – 1 – P 1 E - M**

Material

PO- Polypropylene

PE- Polyester

Rating

0.5, 1, 5, 10, 25, 50, 100,
150, 200 micron

Cover

P – Plain

PN – Polypropylene Netting

Size

1 – 7" X 17" 2 – 7" X 32"

3 – 4" X 9" 4 – 4" X 15"

5 – 6" X 20"

Plastic Collar

E – Polypropylene

H – Polyester

N – Nylon

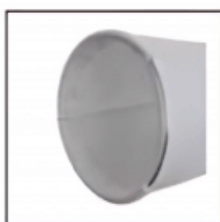
EF – FSI Polypropylene Ring

HF- FSI Polyester Ring

Suffix –

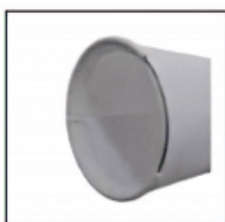
M - Modification

Filter Bag Ring Materials



"S"

Steel Ring (STD)



"SS"

Stainless steel Ring



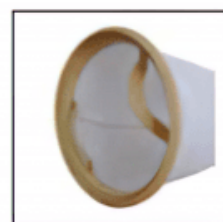
"E"

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

Universal Filtration¹ 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

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Universal Filtration ¹ 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 ³ /h	0.25m ²	8.0 L
02	7" (177.8mm)	32" (812.8mm)	40m ³ /h	0.50m ²	17.0 L
03	4" (101.6mm)	8" (203.2mm)	6m ³ /h	0.09m ²	1.30 L
04	4" (101.6mm)	14" (355.0mm)	12m ³ /h	0.16m ²	2.50 L
05	4" (101.6mm)	20" (508.0mm)	18m ³ /h	0.20m ²	3.80 L

*Custom diameter and bag length available on request

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For Inquiry contact us at Sales-Inquiry@universal-filtration.com

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