



High Efficiency Filter Bag MLC Series

SBR201912341

HIGH EFFICIENCY FILTER BAG

HIGH EFFICIENCY FILTER BAG UNIT

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High Efficiency Filter Bag MLC Series



CHOICE OF HIGH PERFORMANCE AND LONG SERVICE LIFE

Our MLC series of absolute rated filter bag is designed for high filtration efficiency particle removal applications.

We have two ranges of absolute rated, high efficiency bags for your choices:

1. MLC- 1 series
2. MLC- 5 series for high dirt loading & Gel Retention

Features

High efficiency filter bag designed for your long service life, high dirt load application with demand for absolute particle removal efficiency of up to 99%.

It is also effective in removing gelatinous contamination due to its unique structure. It made of melt blown PP fiber in several layer effectively removal particle of up to 99% efficiency.

The combination of microfiber media break up the gels and retain them within the media. Pure PP media contain no silicone oil, ideally for application in automotive paint and coating industry.

Specification

- Material used :
Polypropylene Micro Fiber Media
- 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 Code¹

Filter Bag Code **MLC-1 – 1A - P 1 E**

MLC Micro Fiber Bag

1 – 1 series

5 – 5 series

Micron Rating (Absolute)

1,3,5,10,25,50

Cover

P – Plain

PN – Polypropylene Netting

Size

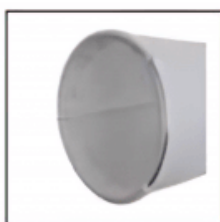
1 – 7" X 17" 2 – 7" X 32"

3 – 4" X 9" 4 – 4" X 15"

Plastic Collar

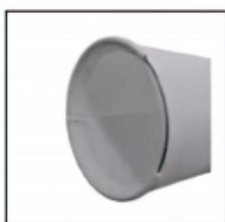
E - Polypropylene

Filter Bag Ring Materials



"S"

Steel Ring (STD)



"SS"

Stainless steel Ring



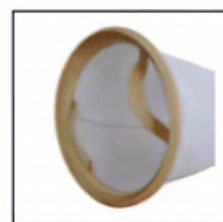
"E"

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

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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