

# FILTER DATASHEET

CMI FILTRATION



**Global Delivery and Fulfillment**

The Reliable Company

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# CMI AGF Filter Bag

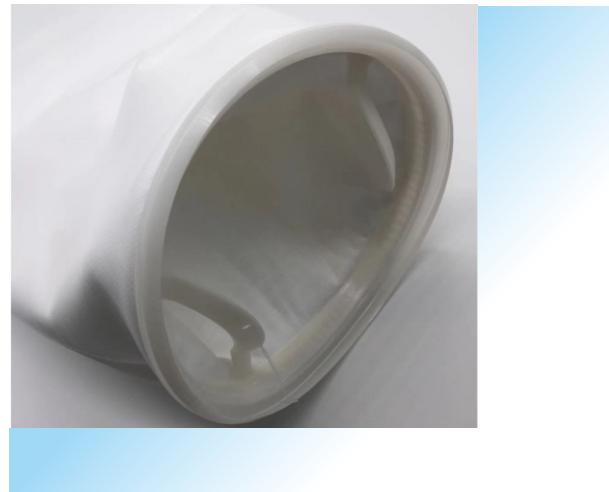
AGF Series

100% Pure Melt-Blown Polypropylene

## Description

CMI AGF filter bags are manufactured from 100% pure melt-blown polypropylene which provides the benefits of a clean, chemically resistant and silicone-free material in an economical, self-contained and easy-dispose-of filter bag.

Unique single step welding provides a more consistent weld-seam with greater control over entire process. With a strong, flexible welding seam, the bag can be fitted in basket more effectively, which creates a greater resistance to shock loading.



## Features

- Highly efficient filter media
- Maximize dirt holding capacity and prolong service life
- Double downstream protection layer
- No fiber release from basket abrasion
- No bypass with totally welded construction
- Unique construction provides stronger weld-seam

## Specifications

- **Material:** Polypropylene melt blown
- **Max. DP (@25°C):** 2.5bar (36psi)
- **Max. Operating Temp.:** 90°C (194°F)
- **Max. flow rate.:** Size 1: 8 m<sup>3</sup>/h Size 2: 15m<sup>3</sup>/h
- **Types:** 51,53,55,57,59
- **Size selection:**

Size	Dimension	Area
01	7" dia x 16" L	0.24 m <sup>2</sup>
02	7" dia x 32" L	0.48 m <sup>2</sup>
03	4" dia x 8" L	0.08 m <sup>2</sup>
04	4" dia x 14" L	0.16 m <sup>2</sup>

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# CMI LCR Filter Bag

IDEAL FOR OIL REMOVAL NEEDS

## LCR Series

### Description

LCR filter bags are manufactured from melt-blown polypropylene which provides the benefits of a clean, chemically resistant and silicone-free material in an economical, self-contained and easy-dispose-of filter bag.

It makes absolute filtration viable in many applications where only standard bags could be used due to cost constraints.

There are two styles available: Series 100 and Series 500, which makes it possible to match the requirements of a wide range of applications, depending on the needs of efficiency and long life.



### Features

- Perfect for removal of Gelatinous Materials
- Maximize dirt holding capacity and prolong service life
- Polypropylene outer migration barrier
- All welded multi-pleated construction for series 500
- No bypass with totally welded construction
- Prefilter with large filter surface before final filter layer

### Specifications

- **Material:** 100 series: 3 layers Polypropylene melt blown  
500 series: 8-12layers Polypropylene melt blown
- **Max. Operating Temp.:** 90°C (194°F)
- **Max. flow rate.:** LCR100: Size 1: 8 m<sup>3</sup>/h, Size 2: 15m<sup>3</sup>/h  
LCR500: Size 2: 12m<sup>3</sup>/h
- **Types:** LCR100: 113/123,114/124,115/125...130,135  
LCR500: 522,525,527,529
- **Size selection:**

Size	Dimension
01	7" dia x 16" L
02	7" dia x 32" L

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# CMI Max Pong Filter Bag

LARGE DIRT-HOLDING CAPACITY

## Max Pong Series

### Description

The Max Pong heavy duty extended life filter bag is the leader in high-efficiency, low-cost filtration. Its seamless micro-fiber graded density cartridge insert removes trace oils that frequently occur in process fluids, and provides up to four times dirt holding capacity of conventional PP bags. With its welded seam felt cover and patented ring for elimination of unfiltered bypass, it becomes the perfect choice for uses where longer-lasting, high-efficiency filter bags are needed. It is ideal for continuous flow applications such as e-coat and phosphate batch applications including oils, edible oils and syrups, or any final or polishing filtration applications.



### Features

- High-efficiency, low cost filtration
- Suitable for continuous flow applications
- Large dirt-holding capacity
- Filters wide range of particle sizes
- Pure polypropylene microfiber insert
- Welded seam construction eliminates unfiltered bypass

### Specifications

- **Material:** Polypropylene filter bag with 100% polypropylene rigid insert
- **Max. Operating Temp.:** 93°C-104°C (200°F-220°F)
- **Suggested DP.:** dirty-35 PSIG maximum; 10-15PSIG optimum change out
- **Micron Rating:** 1,5,10,25,50,100
- **Size selection:**

Size	Dimension
01	7" dia x 16" L
02	7" dia x 32" L

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# CMI MFB Filter Bag

HIGH PERFORMANCE AND LONG LIFE

## MFB Series

### Description

Our MFB series of absolute rated filter bag designed for your high filtration efficiency particle removal and heavy dirt load application.

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 is made of melt blown PP fiber in several layer effectively removal particle of up to 99% efficiency. Pure PP media contain no silicone oil, ideally for application in automotive paint and coating industry.



### Features

- High-efficiency, low cost filtration
- Suitable for continuous flow applications
- Large dirt-holding capacity
- Filters wide range of particle sizes
- Pure polypropylene melt blown
- Welded seam construction eliminates unfiltered bypass

### Specifications

- **Material:** Polypropylene Melt Blown
- **Max. Operating Temp.:** 93°C-104°C (200°F-220°F)
- **Micron Rating:** Absolute rated 1-100 micron
- **Size selection:**

Size	Dimension
01	7" dia x 16" L
02	7" dia x 32" L

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# CMI Standard Filter Bag

SIMPLE AND COST EFFECTIVE

## General Filter Bags

### Description

CMI manufactures a wide range of filter bags which are affordable and reliable to meet customer's general applications. Conventional filter bags include PO, PE, NMO. They are made by silicone free material with high-quality heavy-duty thread to ensure high filtration performance.

Extend life filter bags POXL, PEXL are also available. They are made by unique two layers combination of needle felt fiber which increases its dirt holding capacity in filtration performance without affecting its initial pressure drop. This extends your filter bags lifetime by up to five times and gives good cost saving in both material and labor cost.



### Features

- Affordable and reliable
- Great cost savings
- High quality control
- Silicon free material
- Special surface finishing to prevent fiber migration
- Both welded and sew rings are available

### Specifications

- **Material:** Polypropylene, Polyester, Nylon monofilament
- **Micron ratings:** 1,5,10,25,50,75,100,150,200 micron
- **Types:** PO, PE, POXL, PEXL, LCR, AGF, MBF, Box Max
- **Size selection:** Size 1, Size 2, Size 3, Size 4, Size 5

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# CMI Standard Filter Bag

## Data & Dimensions

Size No.	Diameter	Length	Max.Flow Rate	Filter Area	Volume
# 01	7" (177.8mm)	17" (431.8mm)	20m3/h	0.25m <sup>2</sup>	8.0 L
# 02	7" (177.8mm)	32" (812.8mm)	40m3/h	0.50m <sup>2</sup>	17.0 L
# 03	4" (101.6mm)	8" (203.2mm)	6m3/h	0.09m <sup>2</sup>	1.30 L
# 04	4" (101.6mm)	14" (355.0mm)	12m3/h	0.16m <sup>2</sup>	2.50 L
# 05	4" (101.6mm)	20" (508.0mm)	18m3/h	0.20m <sup>2</sup>	3.80 L

## Filter Bag Collars



"S"

C.S galvanized Ring



"A"

Stainless Steel



"E"

Polypropylene Ring



"H"

Polyester Ring



"Z"

Nylon Ring

## Filter Media

Media Code	Description of Bag Material	Manufacture Type
PE	Polyester Felt	Sewn/ Welded
PO	Polypropylene Felt	Sewn/ Welded
PEXL	Polyester Extended Life Felt	Sewn/ Welded
POXL	Polypropylene Extended Life Felt	Sewn/ Welded
NMO	Nylon Monofilament	Sewn
PO-LCR-100	3 layers Polypropylene Melt blown	Sewn/ Welded
PO-LCR-500	8-12 layers Polypropylene Melt blown	Sewn/ Welded

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# CMI Standard Filter Bag

## Filtration Rate

Material	Micron Retention Ratings Available															
	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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

## Ordering Table

Material	Micron Rating	Bag Size	Bag Collar
PE, PO, PEXL, POXL, NMO, PO-LCR-100 PO-LCR-500	0.5, 1, 5 - 1000	01, 02, 03, 04, 05	S, A, E, H, Z

## Sample

PO-	1-	P02-	A
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