



## Marksman™ Poly-Fine® XLD Series Filter Elements

### High Capacity Pleated Depth Polypropylene Filter Elements

- New, larger cartridge geometry
- Innovative merger of depth and pleated technologies
- High surface area, high flow capacity
- Excellent retention of deformable contaminant
- Proprietary gel guard media
- Available to fit most Size 1 and Size 2 bag housings with no hardware changes
- Available in 40" (1016 mm) for use in unique 40" (1016 mm) Marksman housings
- Inside-out flow traps contaminant inside the element
- Quick, easy change outs
- All polypropylene construction
- Short length option to accommodate shorter baskets

### Performance Specifications

#### Filter Grades:

1.5, 3, 4.5, 10, 20, 30, 70 micron (µm)

#### Maximum Operating Differential Pressure:

Polypropylene Cage: to 75 psid (5.1 barg) @68°F (20°C)  
to 35 psid (2.4 barg) @130°F (54°C)

**NOTE:** Stainless steel flange required for temperatures in excess of 110°F (43°C).

#### Recommended Change Out Differential Pressure<sup>1</sup>:

35 psid (2.4 barg) up to 130°F (54°C)

#### FDA Listed Materials:

All materials are FDA listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations (Fluorocarbon Elastomer gaskets excluded).

#### Toxicity:

All components meet the specifications for biological safety as per the USP for Class VI-50°C plastics (gaskets excluded).

#### Purity:

Cartridges are free of surfactants, resins, binders, and adhesives.

#### Rinse-Up:

Rinse-up to 18 Megohm-cm with a minimum of throughput.

#### Sanitization:

Cartridges may be sanitized in hot water (170-180°F/77-82°C) for 20 minutes (recommended).



### Product Specifications

#### Materials of Construction:

Filter Media:	Polypropylene
Hardware:	Polypropylene
Support Material:	Polypropylene
Gaskets:	EPDM, Fluorocarbon Elastomer, Nitrile
Sealing:	Thermal Bond

#### Dimensions (nominal):

Outside Flange Diameter:	7 ¼" (184 mm) (equal to Size 1/Size 2 Bags)
Outside Filter Diameter:	6" (152 mm)
Lengths:	Size 1 - Standard, Short Size 2 - Standard, Short, Extra Short 40" (1016 mm)

<sup>1</sup> - Provided that the maximum differential pressure is not exceeded based on temperature limits defined above.

## Particle Removal Ratings

Filter Grade	Beta 10
XLDM 1.5	1 µm
XLDM 3	3 µm
XLDM 4.5	4 µm
XLDM 10	6 µm
XLDM 20	11 µm
XLDM 30	17 µm
XLDM 70	26 µm

## Liquid Flow Specifications

Filter Grade	PSID per 1 GPM (mbard/lpm) - Water @68°F (20°C)				
	Size 1	Size 2	40"	Size 1 (short)	Size 2 (short)
1.5	0.051 (0.929)	0.022 (0.401)	0.014 (0.255)	0.057 (1.038)	0.026 (0.474)
3	0.020 (0.364)	0.009 (0.164)	0.006 (0.109)	0.022 (0.401)	0.011 (0.200)
4.5	0.012 (0.218)	0.005 (0.091)	0.003 (0.054)	0.013 (0.237)	0.006 (0.109)
10	0.008 (0.146)	0.003 (0.054)	0.002 (0.036)	0.009 (0.164)	0.004 (0.073)
20	0.003 (0.054)	0.001 (0.018)	0.001 (0.018)	0.003 (0.054)	0.001 (0.018)
30	0.004 (0.073)	0.002 (0.036)	0.001 (0.018)	0.004 (0.073)	0.002 (0.036)
70	0.005 (0.091)	0.002 (0.036)	0.001 (0.018)	0.006 (0.109)	0.002 (0.036)

### NOTE:

- For kPa, multiply mbard/lpm by 0.1.

<sup>2</sup> - Size 2 (only)

<sup>3</sup> - Select "XS" for Extra Short, "2" for Size 2 Bag, and add "68" to the end of the part number (e.g., XLDMXS20-2UE-SFA 68).

<sup>4</sup> - For housings not listed or other than original equipment baskets, consult your Pall sales representative for proper flange/gasket style.

<sup>5</sup> - Requires "A" flange if using any of the Marksman 40" products in the 40" Pall Marksman housing.



## Part Numbers/Ordering Information

XLDM □ □ - □ U □ - □ □ (e.g., XLDM 20-2UE-SFA)

Code □	Short Length Option	Code □	Cartridge Lengths (nominal)
Blank	Standard Length	1	Size 1 Bag
S	Short Length <sup>2</sup>	2	Size 2 Bag
XS	Extra Short Length <sup>2,3</sup>	4	40" Length

Code □	Filter Grades	Code □	Gasket Materials
1.5	1.5 µm	Blank	For NF Version
3	3 µm	N	Nitrile
4.5	4.5 µm	E	EPDM (peroxide cured)
10	10 µm	V	Fluorocarbon Elastomer
20	20 µm		
30	30 µm		
70	70 µm		

Code □	End Configurations
PF	Plastic Self-Adjusting Flange
SF	Stainless Steel Self-Adjusting Flange (required for temperatures >110°F/43°C)
NF	No Flange (for use with reusable SS Flange)

Code □	Flange/Gasket Styles <sup>4</sup>
A <sup>5</sup>	Rosedale, Strainrite, Krystil Klear, Pall
B	GAF, FSI side entry
C	FSI over the top, Hayward over the top

Visit us on the Web at [www.pall.com](http://www.pall.com)

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.

*Filtration. Separation. Solution.<sup>SM</sup>*

© Copyright 2007, Pall Corporation. Pall, Marksman and Poly-Fine are trademarks of Pall Corporation. ® Indicates a Pall trademark registered in the USA. *Filtration. Separation. Solution.<sup>SM</sup>* is a service mark of Pall Corporation.

Bulletin #1262-5C

3/07



EFC Filtration b.v. | P.O. Box 3034 | 1801 GA Alkmaar | The Netherlands  
T +31 (0) 72 540 5454 | [efcfiltration.com](http://efcfiltration.com) | [info@efcfiltration.com](mailto:info@efcfiltration.com)