



Marksman™ Nexis® A Series Filter Elements

High Capacity Melt Blown Depth Filter Elements

- New, Large Cartridge Geometry
- Features Proprietary CoLD Fiber Technology
- Gradient Pore Structure
- Absolute Rated at 99.9% Efficiency With Retention Ratings From 4.3 to 72 Micron (µm)
- Available To Fit Most Size 1 and Size 2 Bag Housings With No Hardware Changes
- Available in 40" (102 cm) for use in Unique 40" (102 cm) Marksman Housings
- Inside-Out Flow Traps Contaminant Inside The Element
- Unique Sealing Device Adjusts To Fit In Most Bag Filter Housings
- Quick, Easy Change Outs
- Short Length Option To Accommodate Shorter Baskets

Performance Specifications

Filter Grades:

5, 10, 20, 40, 70 µm

Maximum Forward Differential Pressure:

to 42 psid (2.9 bard) @ 68°F (20°C)

to 26 psid (1.8 bard) @ 130°F (54°C)

to 15 psid (1.0 bard) @ 175°F (79°C)

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

Recommended Changeout Differential Pressure¹:

35 psid (2.4 bard)

Toxicity:

All components and available polypropylene flange offerings are manufactured from components which meet the specifications for biological safety as per the **USP** for Class VI-50°C plastics (gaskets excluded).

Purity:

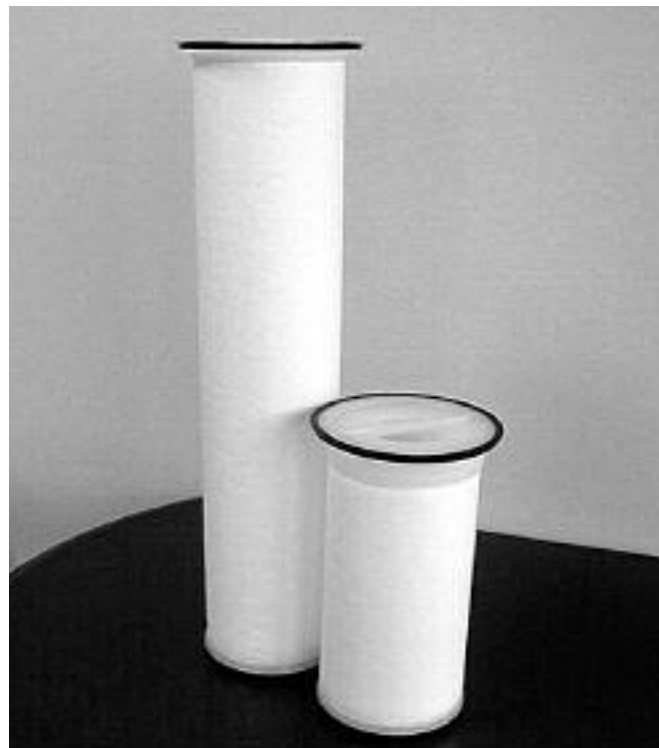
Cartridges are free of adhesives and silicones² (Fluorocarbon Elastomer and Nitrile gaskets excluded).

Rinse-Up:

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

Sanitization:

Cartridges may be sanitized in hot water (170-175°F/77-79°C) for 20 minutes (minimum).



Product Specifications

Materials of Construction:

Filter Media:	Polypropylene/Polyethylene
Hardware:	Polypropylene
Gaskets:	EPDM, Fluorocarbon Elastomer, Nitrile
Sealing:	Thermal Bond

Dimensions (nominal):

Outside Flange Diameter:	7 ¼" (18.4 cm) (equal to Size 1/Size 2 Bags)
Outside Filter Diameter:	6" (15.2 cm)
Lengths:	Size 1 - Standard, Short Size 2 - Standard, Short, Extra Short 40"

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

² - Elements do not come into contact with silicone, silicone containing items, or adhesives during manufacturing.

Liquid Retention Ratings (µm) (by ASTM F-795 Test)

Cartridge Designation	90% Efficiency	99.9 % Efficiency
NXAM 5	2.5	4.3
NXAM 10	5.5	9.2
NXAM 20	13.0	17.0
NXAM 40	20.0	35.0
NXAM 70	51.0	72.0

Cartridge retention ratings are determined using a single pass, destructive challenge test. Fine test dust is used as the test contaminant for filters in the 10 to 20 micron range. Coarse test dust is used for micron ratings above 20 micron. Additional information can be obtained by contacting Pall.

Liquid Flow Specifications

Filter Grade	PSID per 1 GPM (mbard/lpm) - Water @ 68°F (20°C)			PSID per 1 GPM (mbard/lpm) - Fluid with 40 cps viscosity		
	Size 1	Size 2	40"	Size 1	Size 2	40"
5	0.113 (2.06)	0.049 (0.88)	0.0318 (0.5802)	1.88 (34.3)	0.911 (16.6)	0.5921 (10.7867)
10	0.0470 (0.8600)	0.0210 (0.3800)	0.0136 (0.2477)	1.1700 (21.3000)	0.3500 (6.4000)	0.2275 (4.1441)
20	0.0160 (0.2900)	0.0070 (0.1300)	0.0046 (0.0840)	0.4900 (8.9000)	0.1700 (3.1000)	0.1105 (2.0129)
40	0.0070 (0.1300)	0.0028 (0.0500)	0.0018 (0.0328)	0.1800 (3.3000)	0.0570 (1.0000)	0.0370 (0.6633)
70	0.0040 (0.0700)	0.0014 (0.0300)	0.0009 (0.0164)	0.1000 (1.8200)	0.0400 (0.7300)	0.0260 (0.4736)

NOTE:

- For kPa, multiply mbard/lpm by 0.1000.

Part Numbers/Ordering Information

NXAM * ■ - ● U ◆ - ▼ ■ (e.g., NXAMS70-2UN-PFC)

Code *	Short Length Option	Code ●	Cartridge Lengths (nominal)
Blank	Standard Length	1	Size 1 Bag
S	Short Length ³	2	Size 2 Bag
		4	40" Length

Code ■	Filter Grades	Code ◆	Gasket Materials
5	5 µm	Blank	For NF Version
10	10 µm	N	Nitrile
20	20 µm	E	EPDM (peroxide cured)
40	40 µm	V	Fluorocarbon Elastomer
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 ⁴
A ⁵	Rosedale, Strainrite, Krystil Klear, Pall
B	FSI side entry, GAF
C	FSI over the top, Hayward over the top

³ - Size 2 (only) Extra Short Length Option is available. Select "S" for Short Length, "2" for Size 2 Bag and add "68" to the end of the part number (e.g., NXAMS70-2UN-PFC 68). **NOTE:** PSID will be higher than shown in chart above for short and extra short elements.

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

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



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