



Marksman™ NXA Series Filter Elements

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High Capacity Melt Blown Depth Filter Elements

- New, larger cartridge geometry
- Same proprietary CoLD Melt™ fiber technology used in Pall's Nexis® series filters
- 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 101.6 cm (40 in) for use in unique 101.6 cm (40 in) 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 micron (µm)

Maximum operating differential pressure

to 2.9 bard @ 20°C (42 psid @ 68°F)

to 1.0 bard @ 79°C (15 psid @ 175°F)

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

Recommended change-out differential pressure¹

2.4 bard @ up to 54°C (35 psid @ up to 130°F)

Food and water contact use

Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

Purity

Cartridges do not use adhesives and silicones² (fluorocarbon elastomer and nitrile gaskets excluded).

Sanitization

Contact Pall Corporation for assistance.

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.



Product Specifications

Materials

Filter media:	Polypropylene/polyethylene
Hardware:	Polypropylene
Gaskets:	EPDM, fluorocarbon elastomer, nitrile
Sealing:	Thermal bond

Dimensions (nominal)

Outside flange diameter:	Three diameters are available. Contact Pall for information on sizes.
Outside filter diameter:	15.2 cm (6 in)
Lengths:	Size 1 - Standard, Short Size 2 - Standard, Short, Extra Short Size 4 - 101.6 cm (40 in)

Particle Removal Ratings³ (µm)

Cartridge Designation	90% Efficiency	≥99.9% Efficiency
NXAM 5	2.5	4.3
NXAM 10	5.5	9.2
NXAM 20	13	17
NXAM 40	20	35
NXAM 70	51	72

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.

Typical Flow

Filter Grade	mbard/lpm (psid/gpm) Water @ 20°C (68°F)			mbard/lpm (psid/gpm) Fluid with 40 cps viscosity		
	Size 1	Size 2	40 in	Size 1	Size 2	40 in
5	2.058 (0.113)	0.892 (0.049)	0.565 (0.031)	34.242 (1.880)	16.593 (0.911)	10.655 (0.585)
10	0.856 (0.047)	0.382 (0.021)	0.237 (0.013)	21.310 (1.170)	6.375 (0.350)	4.098 (0.225)
20	0.291 (0.016)	0.127 (0.007)	0.073 (0.004)	8.925 (0.490)	3.096 (0.170)	1.985 (0.109)
40	0.127 (0.007)	0.055 (0.003)	0.036 (0.002)	3.279 (0.180)	1.038 (0.057)	0.674 (0.037)
70	0.073 (0.004)	0.018 (0.001)	0.018 (0.001)	1.821 (0.100)	0.729 (0.040)	0.474 (0.026)

NOTE: For kPa, multiply mbard/lpm by 0.1000.

³ Marksman NXA series filter cartridge retention ratings are based on Pall's Dynamic Efficiency test protocol. This single pass, destructive challenge test is based on ASTM F-795 test procedures for determining the performance of a filter medium. Fine test dust is used as the test contaminant for filters in the 1 to 20 micron range. Coarse test dust is used for micron ratings above 20 micron. Additional information can be obtained by contacting Pall Corporation.

⁴ Size 2 (only).

⁵ Select "XS" for Extra Short, "2" for Size 2 bag, and add "68" to the end of the part number (e.g., NXAMXS70-2UN-PFC 68).

⁶ For housings not listed or other than original equipment baskets, consult your

Ordering Information

Pall Part Number = NXAM 1 2 - 3 U 4 - 5 6

Table 1

Code	Short length option
Blank	Standard
S	Short
XS	Extra short ^{4, 5}

Table 2

Code	Filter grades (µm)
5	5
10	10
20	20
40	40
70	70

Table 5

Code	End configurations
PF	Plastic self-adjusting flange
SF	Stainless steel self-adjusting flange (required for temperatures >43°C/110°F)
NF	No flange (for use with reusable SS flange)

Table 6

Code	Flange/gasket styles ⁶
A7	Rosedale ⁹ , Strainrite, Krystil Klear ⁹ , Pall
B	GAF ¹⁰ , FSI ¹¹ side entry
C	FSI over the top, Hayward ¹² over the top

⁷ Requires "A" flange if using any of the Marksman 101.6 cm (40 in) products in the 101.6 cm (40 in) Pall Marksman housing.

⁸ Rosedale is a registered trademark of Rosedale Products, Inc.

⁹ Krystil Klear is a registered trademark of Pentair Water Filtration.

¹⁰ GAF is a registered trademark of GAF Corporation.

¹¹ FSI is a registered trademark of Filter Specialists, Inc.

¹² Hayward is a registered trademark of Hayward Industrial Products, Inc.

Table 3

Code	Cartridge lengths nominal
1	Size 1 bag
2	Size 2 bag
4	101.6 cm (40 in)

Table 4

Code	Gasket materials
Blank	For NF version
N	Nitrile
E	EPDM (peroxide cured)
V	Fluorocarbon elastomer

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