



Nexis[®] A Series Filter Cartridges **prelude.**

DESCRIPTION

- Rated at >99.9% efficiency¹ with retention ratings from 0.5 – 120 µm
- Proprietary CoLD Melt™ fiber technology
- Resists contaminant unloading even at high differential pressures
- Micro-denier melt blown filtration fibers
- Media manufactured with a continuous gradient pore structure
- All-polypropylene construction
- Free of adhesives, binders, resins, and silicone
- Proprietary center core for added strength (0.5 – 20 µm)
- Fast rinse-up to 18 Megohm-cm
- Certification of conformance including lot identification

¹>99.9% retention rating by ASTM F-795 test



ADDITIONAL INFORMATION

HOUSINGS

To order Housings for Nexis A Series Filter Cartridges, please [contact](#) Pall Water for more details.

ORDERING INFORMATION

To order Nexis A Series Filter Cartridges please [contact](#) a Pall Water Representative or [visit our online store](#) today.

PERFORMANCE SPECIFICATIONS

Filter Grades	0.5, 1, 3, 5, 10, 20, 30, 40, 50, 70, 90, 120 micron (µm)
Maximum Differential Pressure (0.5 – 20 µm)	1.03 bard @ 82°C (15 psid @ 180°F) 4.14 bard @ 30°C (60 psid @ 86°F)
Maximum Differential Pressure (30 – 120 µm)	1.03 bard @ 82°C (15 psid @ 180°F) 4.14 bard @ 30°C (60 psid @ 86°F)
Recommended Change-Out Differential Pressure²	2.4 bard (35 psid)
Purity	Nexis A series filter cartridges are free of adhesives, binders, resins, and silicone
Rinse-Up	Rinse-up to 18 Megohm-cm with a minimum of throughput
Water Contact Use	Please contact Pall Water to verify that the product conforms to your national legislation and / or regional regulatory requirements for water contact use

PRODUCT SPECIFICATIONS

MATERIALS OF CONSTRUCTION

Filter Media	Polypropylene
Hardware	Polypropylene
Gaskets / O-Rings	Silicone elastomer, EPDM, nitrile, fluorocarbon elastomer, Santoprene ³ (DOE only), FEP, FEP encapsulated silicone, FEP encapsulated fluorocarbon elastomer

DIMENSIONS (NOMINAL)

Outside Diameter	6.4 cm (2.5 in)
Lengths	10.2 cm (4 in), 12.7 cm (5 in), 24.8 cm (9.75 in), 25.1 cm (9.875 in), 25.4 cm (10 in), 49.5 cm (19.5 in), 50.8 cm (20 in), 74.3 cm (29.25 in), 76.2 cm (30 in), 99.1 cm (39 in), 100.3 cm (39.5 in), 102 cm (40 in)

² Provided that the maximum differential pressure is not exceeded based on temperature limits defined above

³ Registered trademark of Advanced Elastomer Systems.

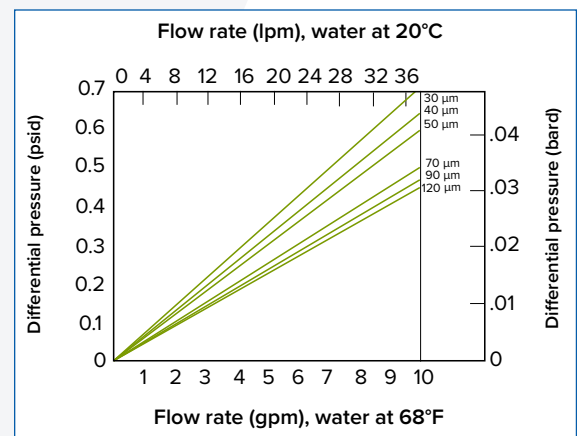
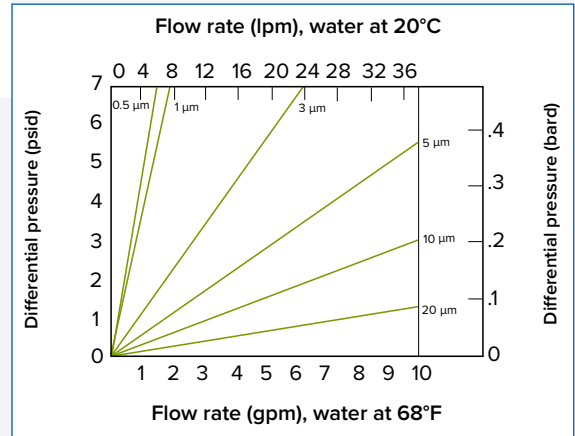
PARTICLE REMOVAL RATINGS (μm)⁴

CARTRIDGE DESIGNATION	99.9% EFFICIENCY	90% EFFICIENCY
NXA 0.5	0.5	<0.5
NXA 1	0.95	0.65
NXA 3	2.8	1.5
NXA 5	4.1	3.4
NXA 10	9.5	4.7
NXA 20	18.5	13
NXA 30	27	18
NXA 40	36	20
NXA 50	46	27
NXA 70	65	42
NXA 90	85	55
NXA 120	105	65

⁴ >90% and 99.9% retention ratings by ASTM F-795 test.

APPLICATION SIZING⁵

TYPICAL FLOW VS. DIFFERENTIAL PRESSURE



Unit conversion: 1 bar = 100 kPa

⁵ Flow rate is for a 25.4 cm (10 in) cartridge.



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Pall Water has installations all over the globe. To speak to a Pall Water representative in your area, please go to www.pallwater.com.

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