



Nexis® T Series Filter Cartridges

prelude™

DESCRIPTION

Pall's proprietary CoLD Melt fiber media technology is designed to assure efficient use of the entire gradient depth of the filter. The CoLD Melt process produces a mixture of micro-thin fibers intermingled and thermally bonded with large diameter CoLD Melt fibers to provide an integral support and fluid transport network. The large internal void area created by the CoLD Melt process enables Nexis T filter cartridges to capture more contaminant than conventional cartridges while the rigid support fibers hold the filtration fibers firmly in place. The result is less potential random unloading of contaminant and more efficient filtration under a variety of operating conditions.

FEATURES & BENEFITS

- Proprietary CoLD Melt™ fiber technology
- Continuous gradient pore structure media provides both prefiltration and final filtration
- Proprietary center core for greater mechanical strength
- Resists contaminant unloading even at high differential pressures
- Computer controlled CoLD Melt manufacturing process increases product consistency
- Polypropylene media construction
- Thermally bonded structure - not employing adhesives
- Plastic and metal spring assembly end configurations are available



ADDITIONAL INFORMATION

HOUSINGS

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

ORDERING INFORMATION

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

PERFORMANCE SPECIFICATIONS

Filter Grades¹	0.5, 1, 3, 5, 7, 10, 15, 20, 25, 30, 40, 50, 75, 100, 120, 150, 200 micron μm
Maximum Differential Pressure (0.5 – 10 μm)	1.03 bard @ 82°C (15 psid @ 180°F) 4.14 bard @ 30°C (60 psid @ 86°F)
Maximum Differential Pressure (15 – 120 μm)	3.45 bard @ ambient (50 psid @ ambient)
Recommended Change-Out Differential Pressure²	2.4 bard (35 psid)
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

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

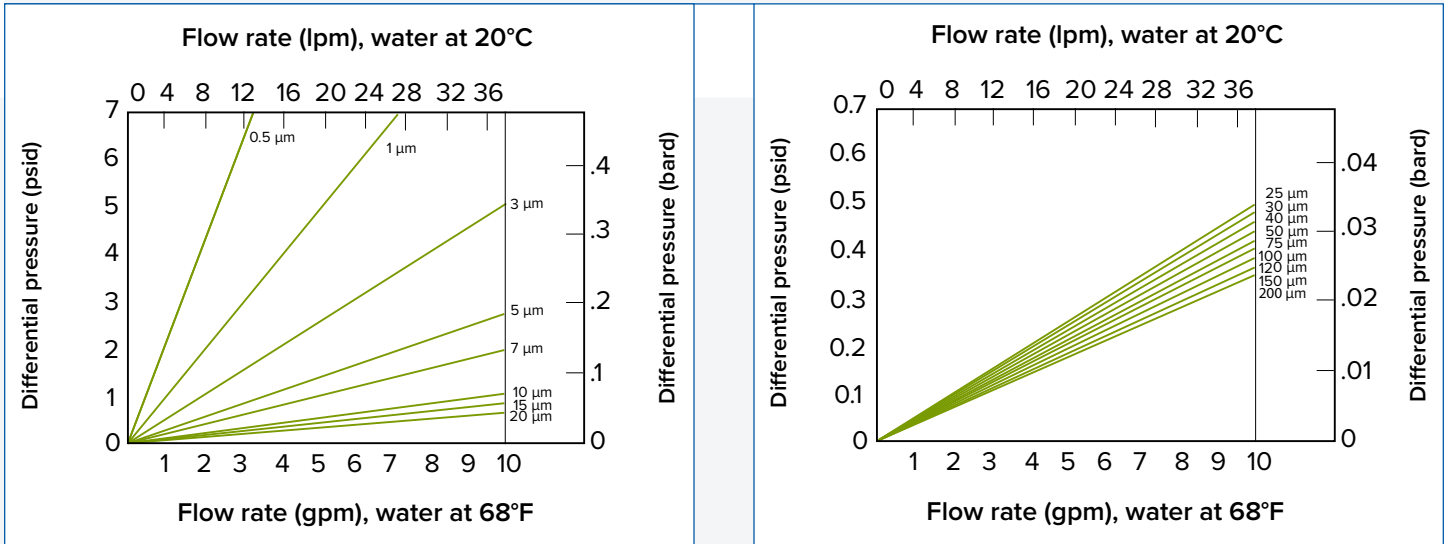
DIMENSIONS (NOMINAL)

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)

¹ >90% retention rating by ASTM F-795 test. Nexis T 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 0.5 to 20 micron range. Coarse test dust is used for micron ratings above 20 micron. Additional information can be obtained by contacting Pall Corporation.

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

TYPICAL FLOW VS. DIFFERENTIAL PRESSURE



Unit conversion: 1 bar = 100 kPa

³ Due to the very low flow resistance of the media in the more open grades, pressure drop is primarily related to turbulent loss through the center core. Flow rate is for a 25.4 cm (10 in) cartridge.



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