



# Poly-Fine<sup>®</sup> ARD Series Filter Cartridges

prelude™

## SPIRAL WOUND ABSOLUTE RATED DEPTH FILTER CARTRIDGE

- Innovative depth filter cartridge technology
- All-polypropylene components
- Absolute rated at >99.9% efficiency with retention ratings from 0.5 to 70 microns
- Proprietary filter media produced directly by Pall for highly consistent, reproducible performance
- Cartridge free of surfactants, binders and adhesives
- Graded pore structure provides pre and final filtration in one cartridge
- Resists contaminant unloading even at high differential pressures



### ADDITIONAL INFORMATION

#### HOUSINGS

To order Housings for Poly-Fine ARD Filters, please [contact](#) Pall Water for more details.

#### ORDERING INFORMATION

To order Poly-Fine ARD Filters, please [contact](#) a Pall Water Representative or [visit our online store](#) today.

## PERFORMANCE SPECIFICATIONS

<b>Filter Grades<sup>1</sup></b>	0.5, 1, 3, 5, 10, 20, 40, 70 micron (µm)
<b>Maximum Differential Pressure</b>	5.2 bard @ 20°C (75 psid @ 68°F)
<b>Recommended Change-Out Differential Pressure<sup>2</sup></b>	2.4 bard (35 psid)
<b>Rinse-Up</b>	Rinse-up to 18 Megohm-cm with a minimum of throughput
<b>Purity</b>	Cartridges are free of surfactants, resins, binders, and adhesives
<b>Chemical Compatibility</b>	The Poly-Fine ARD Series Filter Cartridges are compatible with a broad array of fluids. Consult the factory for specific compatibility information

<sup>1</sup>>99.9% retention rating by ASTM F-795 test.

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

## PRODUCT SPECIFICATIONS

### MATERIALS OF CONSTRUCTION

<b>Filter Media</b>	Polypropylene
<b>Hardware</b>	Polypropylene
<b>Support Material</b>	Polypropylene
<b>Netting</b>	Polypropylene
<b>Gaskets / O-Rings</b>	Silicone elastomer, EPDM, nitrile, fluorocarbon elastomer, expanded PTFE, FEP encapsulated silicone, white silicone, white nitrile, white neoprene, Santoprene <sup>3</sup> (DOE only), FEP encapsulated fluorocarbon elastomer

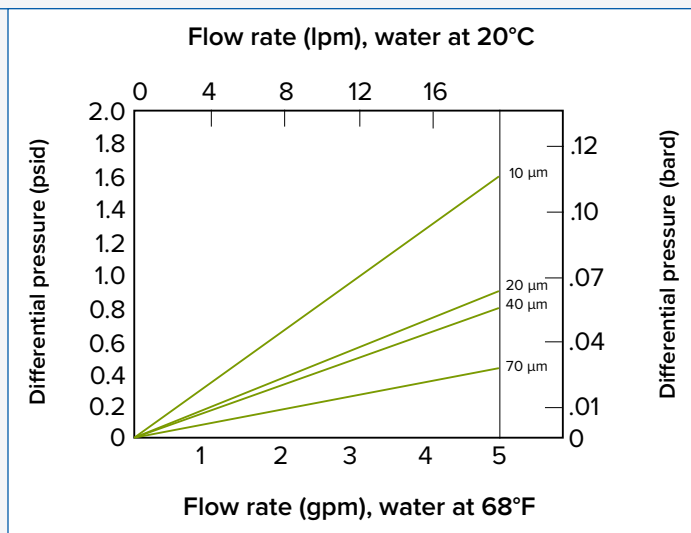
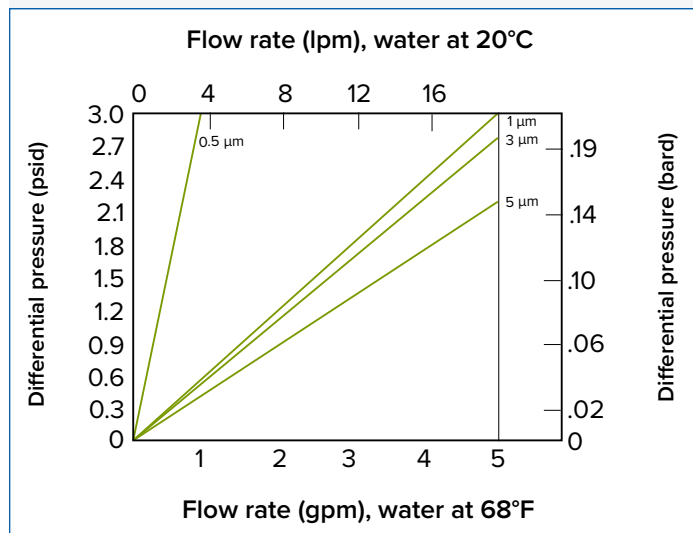
### DIMENSIONS (NOMINAL)

<b>Outside Diameter</b>	6.6 cm (2.6 in)
<b>Lengths</b>	10.2 cm (4 in), 24.8 cm (9.75 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), 102 cm (40 in)

<sup>3</sup> Registered trademark of Advanced Elastomer Systems.

## APPLICATION SIZING

### TYPICAL FLOW VS. DIFFERENTIAL PRESSURE



Unit conversion: 1 bar = 100 kPa.

<sup>4</sup> Flow rate is for a 25.4 cm (10 in) cartridge.



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