



Marksman™ PFT Series Filter Cartridges

prelude™

HIGH CAPACITY PLEATED POLYPROPYLENE FILTER ELEMENTS

- New, larger cartridge geometry
- High flow capacity
- Poly-Fine® II proprietary media for highly consistent filtration
- Inside-out flow traps contaminant inside the element
- Available to fit most Size 1 and Size 2 bag vessels with no hardware changes
- Available in 101.6 cm (40 in) for use in unique 101.6 cm (40 in) Pall vessels
- Unique sealing device adjusts to fit in most conventional bag filter vessels
- High surface area for long service life
- All polypropylene construction



ADDITIONAL INFORMATION

HOUSINGS

To order Housings for Marksman PFT Series Filter Elements, please [contact](#) Pall Water for more details.

ORDERING INFORMATION

To order Marksman PFT Series Filter Elements, please [contact](#) a Pall Water Representative or [visit our online store](#) today.

PERFORMANCE SPECIFICATIONS

Filter Grades	1, 3, 5, 10, 20, 40, 70, 90, 150 micron (µm)
Maximum Differential Pressure	to 5.2 bard @ 20°C (75 psid @ 68°F)
Recommended Change-Out Differential Pressure¹	2.4 bard @ up to 54°C (35 psid @ up to 130°F)
Purity	Cartridges do not use surfactants, binders, and adhesives
Water Contact Use	Please contact Pall Water to verify that the product conforms to your national legislation and / or regional regulatory requirements for water use

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

PRODUCT SPECIFICATIONS

MATERIALS OF CONSTRUCTION		DIMENSIONS (NOMINAL)	
Filter Media	Polypropylene	Outside Flange Diameter	Three diameters are available
Hardware	Polypropylene	Outside Filter Diameter	15.2 cm (6 in)
Support Material	Polypropylene	Lengths	Size 1, Size 2, Size 4 — 101.6 cm (40 in)
Gaskets	EPDM, fluorocarbon elastomer, nitrile		
Sealing	Thermal bond		

TYPICAL FLOW

FILTER GRADE	MBARD / LPM (PSID / GPM) WATER @ 20°C (68°F)		
	SIZE 1	SIZE 2	SIZE 3
1	0.838 (0.046)	0.364 (0.020)	0.273 (0.015)
3	0.346 (0.019)	0.164 (0.008)	0.109 (0.006)
5	0.109 (0.006)	0.054 (0.003)	0.018 (0.001)
10	0.054 (0.003)	0.018 (0.001)	0.018 (0.001)
20	0.036 (0.002)	0.018 (0.001)	0.018 (0.001)
40	0.018 (0.001)	0.018 (0.001)	0.018 (0.001)
70	0.018 (0.001)	0.018 (0.001)	0.018 (0.001)
90	0.018 (0.001)	0.018 (0.001)	0.018 (0.001)
150	0.018 (0.001)	0.018 (0.001)	0.018 (0.001)

For kPa, multiply mbard/lpm by 0.1

² Marksman PFT 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. NOTE: PFTM grade designations for 1, 3, 40, and 90 based on Beta 10 values, and all other grade designations are based on Beta 1000 values.

PARTICLE REMOVAL RATINGS² (µm)

CARTRIDGE DESIGNATION	EFFICIENCY	
	90%	≥90%
PFTM 1	1	—
PFTM 3	2	—
PFTM 5	—	5
PFTM 10	—	9
PFTM 20	—	15
PFTM 40	20	—
PFTM 70	—	70
PFTM 90	57	—
PFTM 150	—	145



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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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