PARSWOOD™

PP SERIES / SEDIMENT AND PROCESS PREFILTRATION

Melt-Blown Polypropylene Filter Cartridges

PARSWOOD melt-blown polypropylene cartridges provide depth filtration of suspended particles, sediment and rust in compatible liquids. Thermally bonded fibres form a graded-density structure without added chemical glues.

Select the micron grade, exact length, diameter and end connection for the installed housing. Ratings are nominal depth-filtration references, not absolute membrane or sterilizing-grade ratings.

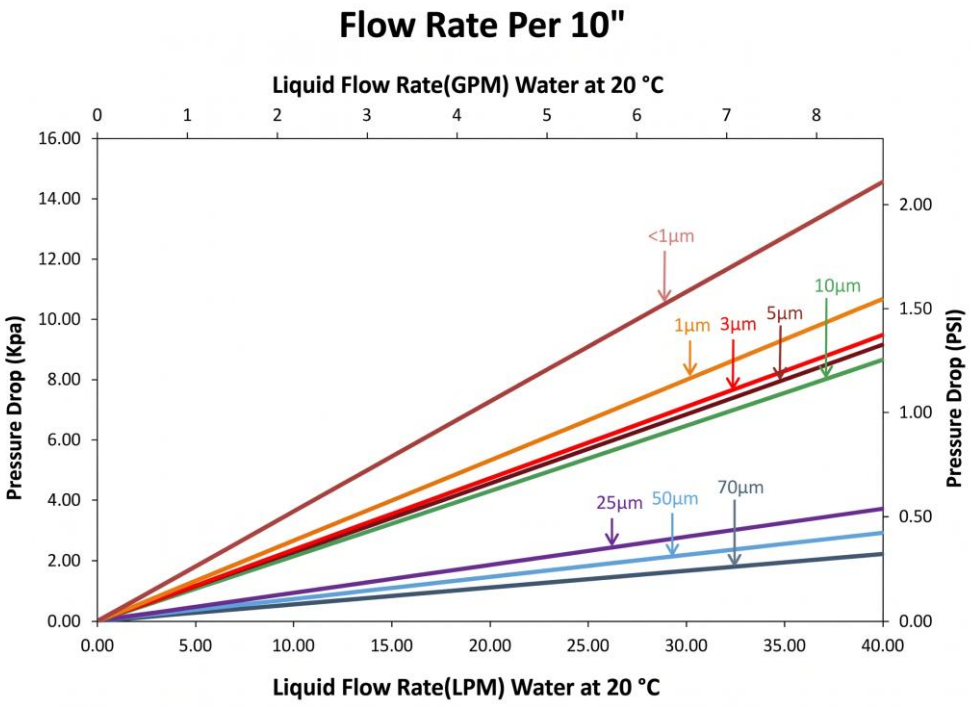


FEATURES	TYPICAL APPLICATIONS
Graded-density polypropylene structure	RO and process-water prefiltration
Thermally bonded without chemical glues	Compatible food and beverage process liquids
Smooth, coarse, deep-groove and mini-groove family options	Compatible coolants, plating solutions and chemicals

MATERIALS DIMENSIONS AND OPERATING LIMITS

PROPERTY	SPECIFICATION
Media / end caps	Polypropylene (PP); end caps depend on configuration
Core / seals	Coreless or PP core; no seal, silicone, EPDM, NBR or FKM, as specified
Family diameters	63 or 115 mm outside diameter; 28 mm inside diameter
Family lengths	9.75, 9.87, 10, 20, 30 or 40 inches
Maximum operating temperature	65°C
Maximum differential pressure	2.0 bar at 20°C

REFERENCE FLOW CURVE



Reference: water at 20°C, per 10-inch cartridge. The curve covers the broader family; its 70 µm label is reproduced as supplied and is not an ordering grade in this sheet.

Actual pressure drop depends on cartridge format, fluid viscosity, flow and fouling. Confirm sizing for the selected configuration.

The differential-pressure limit is across the cartridge, not the housing pressure rating. Do not assume maximum temperature and differential pressure apply simultaneously.

Configuration and Technical Reference

PARSWOOD ORDERING GUIDE

PP-S-010-40-B-N-N

Example: 10 µm, 40-inch cartridge, DOE connection. Use the complete PARSWOOD SKU for repeat orders.

PP + Diameter + Removal rating + End cap + Length + Seal + Core + Surface

FIELD	PARSWOOD CODE AND OPTION	SELECTION NOTES
Diameter	S = Ø2.5″ OD / Ø1.10″ ID (Ø63 mm / Ø28 mm) B = Ø4.53″ OD / Ø1.10″ ID (Ø115 mm / Ø28 mm)	Outside diameter / inside diameter.
Removal rating	001 = 1 µm 003 = 3 µm 005 = 5 µm 010 = 10 µm 025 = 25 µm 050 = 50 µm 075 = 75 µm 100 = 100 µm	
Length	975 = 9.75 in (248 mm) 987 = 9.87 in (250 mm) 10 = 10 in (254 mm) 20 = 20 in (508 mm) 30 = 30 in (762 mm) 40 = 40 in (1016 mm)	
End cap type	B = DOE (No end caps) G = DOE (With PE gaskets) M = 222 / Flat P = 222 / Fin Q = 226 / Fin T = 226 / Flat	DOE = double open end. Match the end connection and gasket arrangement to the housing.
Seal material	N = No seal S = Silicone E = EPDM B = NBR V = FKM	Select for fluid compatibility and the chosen end connection.
Core	N = No core P = PP core	PP = polypropylene. Core construction is a separate choice from filter media.
Surface	Blank = Smooth D = DG (Deep groove) M = MG (Mini-groove) H = H (Coarse surface)	Smooth: graded-density structure. DG: increased surface area. MG: tight fibre structure. H: coarse surface. Mechanically robust.

REPORTED PARTICLE REMOVAL

PARTICLE SIZE	REPORTED EFFICIENCY	Note
1, 5 µm	85%	These percentages do not constitute absolute or sterilizing-grade retention.
3 µm	85%	
10, 25, 50, 75, 100 µm	90%	

TECHNICAL NOTICE

Select the cartridge configuration based on your application's fluid compatibility, operating temperature, pressure, flow rate and filtration requirements. For assistance evaluating your application or selecting the appropriate cartridge, contact PARSWOOD at sales@parswood.ca.