

Hypure* PF

Resin Bonded Filter Cartridge

The Hypure PF filter is a resin-bonded, spiral wound filter cartridge suitable for a wide range of applications. Hypure PF utilizes phenolic resin impregnated, long-strand polyester fibers for efficiency and long life. Uses for Hypure PF include adhesives, coatings, and inks, and many more applications both water and solvent based.

Features and Benefits

- High dirt holding capacity
- Wide range of micron retention
- Faster flow rates
- High efficiency
- Less change-outs
- Consistent quality

Applications

- Printing inks
- Water
- Hot, non-aqueous fluids
- Adhesives
- Antifreeze
- Insecticides
- Photo resists
- Solvents
- Paints and varnishes
- Thinners
- Fuels and Lubricating oils
- Coolants
- Coatings

Available Nominal Micron Ratings

3, 5, 10, 15, 25, 50, 75, 100 μm



Materials of Construction

Phenolic resin impregnated, wound polyester fibers with coreless construction.

Dimensions

Outside Diameter – 2.5" (6.4 cm)

Inside Diameter – 1" (2.5 cm)

Lengths

9 ¾" (24.8 cm)	29 ¼" (74.3 cm)
10" (25.4 cm)	30" (76.2 cm)
19 ½" (49.5 m)	39" (99.1 cm)
20" (50.8 cm)	40" (101 cm)



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Operational Limits

Maximum Temperature Rating:

250°F (121°C) in gases

180°F (82°C) in aqueous and non-aqueous liquids

Non Aqueous Liquids

To size a housing, determine several variables: the desired micron size, the pressure drop permitted, the maximum flow rate and the fluid viscosity. If any

three are known, the fourth may be plotted on the nomograph above. Example:

1. Draw a line from the desired Micron Size (Cartridge Type) through the desired initial Pressure Drop to intersect with Index Line.
2. Draw a second line from Fluid Viscosity through the Index Line intersection to determine the recommended Flow Rate
3. Read Flow Rate in GPM. (See Figure 1)

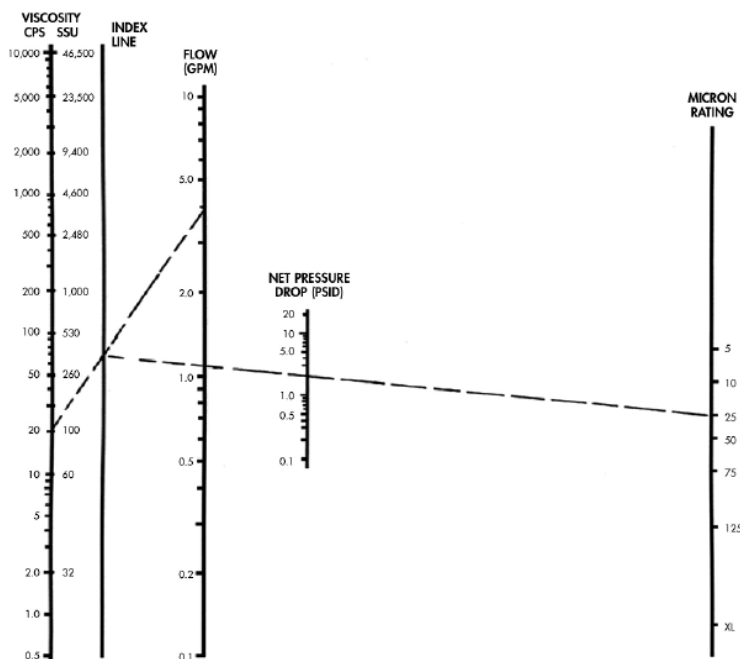


Figure 1: Nomograph for High Viscosity Liquids per 10-in. Length

Note: SSU conversion assumes a gravity limit of 1.0

Ordering Information

Type	Nominal Micron Rating (µm)	Length, inch (cm)	End #1 Adapter	End #2 Adapter	Elastomer Material
HPF	03 = 3	9 ¾ (24.8)	E = 222 O-ring	S = Solid End	O-Rings
	05 = 5	10 (25.4)	L = Extended Core	X = Plain End (no gasket)	S= Silicone
	10 = 10	19½ (49.5)	X = Standard Plain End (no gasket)		V = Viton ¹
	15 = 15	20 (50.8)			B = Buna
	25 = 25	29¾ (74.3)			
	50 = 50	30 (76.2)			
	75 = 75	39 (99.1)			
	100 = 100	40 (101.6)			

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End adapters extended core option - polyester extended core 222 O-Ring