



Vector™ High Flow Series Filter Cartridges

For coarse large volume particle filtration

The Vector High Flow filter cartridge utilizes Pall's unique "Laid-Over-Pleat" or Ultipleat® technology with felt media to extend on-stream service life to your process applications. Vector High Flow elements are available in 20, 40, 60, and 80 inch lengths with media and hardware configurations that allow for broad temperature and chemical compatibility. Additionally, Vector High Flow elements offer the opportunity to employ Pall's Ultipleat technology and system solution resources in coarse high flow applications.

Features and Benefits

- Coreless large diameter cartridge
- Available in both polypropylene and polyester felt media
- High flow rate per filter cartridge
- Up to 2x service life vs. comparable coarse large-volume filter elements
- Available in a variety of filter lengths and grades
- Features proprietary unique crescent-shaped pleat geometry
- Inside-to-outside flow pattern that traps contaminants inside the element thus preventing polluting the treated process liquid or gas during cartridge change-out
- Handle for easy cartridge replacement

Typical Applications

- **Oil & Gas:** condensate feed, gas filtration, natural gas transportation pipeline, wastewater filtration, frac water disposal, produced water, general disposal well protection
- **Chemicals:** epoxy resin, disposal wells, feed streams, industrial resins and coatings, agricultural chemicals, acids, alkalis, solvents, silicone solutions, disposal wells, water treatment, final product, tank car loading and unloading
- **Pulp & Paper:** white liquor, black liquor, demin water, shower press, bleach tower processed water treatment
- **Paint/Automotive:** paint feedstocks, intermediates, final products

Performance Specifications

Filter grades

1, 5, 10, 25, 50, 100 µm



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Maximum differential pressure

5.2 bard (75 psid) @ 20°C (68°F)

2.4 bard (35 psid) @ 74°C (165°F)

Maximum operating temperature¹

82°C (180°F) with typical polypropylene configuration

100°C (212°F) with typical polyester configuration²

Product Specifications

Materials of construction

Filter media:	Polyester, polypropylene
Hardware:	Polypropylene, acetal
O-rings:	EPDM, fluoropolymer elastomer, silicone, Buna N, teflon encapsulated fluoropolymer elastomer
U-cup seals:	Buna N, silicone, fluoropolymer elastomer, Nordel ³

Dimensions (nominal)

Outside Diameter: 152 mm (6 in)

Lengths: 508 mm (20 in), 1016 mm (40 in),
1524 mm (60 in), 2032 mm (80 in)

¹ With compatible fluids.

² The maximum operating temperature should not exceed 60°C (140°F) when using polyester media in aqueous solutions.

³ Nordel is a trademark of The Dow Chemical Company.

Ordering Information

Pall Part Number = HFV 6 1 2 3 4 5 6

Table 1

Code	Cartridge lengths (mm/in)
20	508/20
40	1016/40
60	1524/60
80	2032/80

Table 2

Code	Media type
PP	Polypropylene
PE	Polyester

Table 3

Code	Filter grades (µm)
001	1
005	5
010	10
025	25
500	50
100	100

Table 4

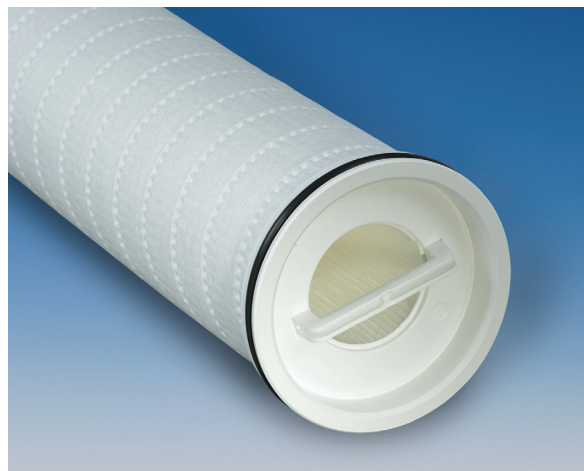
Code	Hardware
P	White polypropylene
A	Acetal caps

Table 5

Code	Sealing material (O-ring/U-cup)
J	Nordel/EPDM O-ring
H	Fluoropolymer elastomer O-ring
H4	Silicone O-ring
H13	Buna N O-ring
H1	Teflon encapsulated fluoropolymer elastomer O-ring
H13U	Buna N U-cup
H4U	Silicone U-cup
HU	Fluoropolymer elastomer U-cup
JU	Nordel/EPDM U-cup

Table 6

Code	Bubble test option
Blank	No bubble test
B	100% bubble test



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Produced in the USA

May 2017