

## Vector™ Series Filter Cartridges

### Retrofit filter for existing bag filter housings

#### Introduction

The Vector bag filter upgrade filter cartridge employs Pall's unique "Laid Over Pleat" technology to offer extended service life to your process applications. Directly retrofitable into bag housings, the Vector filter is available in traditional Size 1, Size 2 and 40 inch options. Available with both polypropylene and polyester filter media, the Vector filter offers a versatile option for coarse applications that require greater dirt-holding capacity and chemical compatibility versus that typically seen with bag filters or bag filter upgrade cartridge options.

- Ideal for continuous flow applications where nominally-rated, coarse filtration is needed
- Greater chemical compatibility vs. conventional bag filters (polyester media option)
- Greater surface area with Pall's proprietary laid-over pleat geometry allows for more dirt-holding capacity
- Longer on stream life vs. competitive bag filter upgrades
- Manufactured under ISO 9001 quality system

#### Typical Applications

- Oil and Gas: frac water disposal, produced water, general disposal well protection
- Chemicals: epoxy resin, disposal wells, feed streams, industrial resins and coatings, agricultural chemicals, acids, alkali's, solvents, silicone solutions, disposal wells, water treatment, final product, tank car loading and unloading
- Pulp & Paper: shower press, spray nozzle protection
- Paint/Automotive: paint feedstocks, intermediates, final products

#### Performance Specifications

##### Filter grades

1, 5, 10, 25, 50, 100 µm

##### Recommended change-out differential pressure<sup>1</sup>

2.4 bard (35 psid)

##### Maximum differential pressure

5.2 bard (75 psid) @ 20°C (68°F)

2.4 bard (35 psid) @ 74°C (165°F)

##### Maximum operating temperature<sup>2,3</sup>

80°C (176°F)



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#### Product Specifications

##### Materials of construction

Filter media: Polypropylene, polyester

Cage: Polypropylene

Support/drainage: Nylon

Flange options: Stainless steel, polypropylene

Flange gasket options: Fluorocarbon elastomer, nitrile, EPDM

##### Dimensions (nominal)

Outside Diameter: 158.8 mm (6.25 in)

Lengths: Size 1 cartridge, Size 2 cartridge, 40 inch cartridge (1016 mm)

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

<sup>2</sup> With compatible fluids.

<sup>3</sup> Stainless steel flange is recommended for operating temperatures above 43°C (110°F)

## Ordering Information

Pall Part Number =  V  -    -   - NH

Table 1

Code	Media
PE	Polyester
PO	Polypropylene

Table 2

Code	Filter grades (µm)
1	1
5	5
10	10
25	25
50	50
100	100

Table 3

Code	Cartridge lengths nominal
1	Size 1 cartridge
2	Size 2 cartridge
4	40 inch cartridge (1016 mm)

Table 4

Code	Hardware
U	Polypropylene

Table 5

Code	Sealing material
N	Nitrile
E	EPDM
V	Fluorocarbon elastomer

Table 6

Code	End configurations <sup>4</sup>
PF	Plastic self-adjusting flange
SF	Stainless steel self-adjusting flange
NF	No flange (for use with reusable stainless steel flange)

Table 7

Code Flange/gasket style	Vessel
A	Pall Marksman Series vessels, Rosedale <sup>5</sup> , Strainrite, Krystil Klear <sup>6</sup>
C	FSI Non-Polylock (Square Bore) FSPN Series vessels
F	FSI Polylock FSPN Series vessels
CB	FSI CBFP Series vessels <sup>7</sup>

<sup>4</sup> Stainless steel flange is recommended for operating temperatures above 43°C (110°F).

<sup>5</sup> Rosedale is a registered trademark of Rosedale Products, Inc.

<sup>6</sup> Krystil Klear is a registered trademark of Pentair Water Filtration.

<sup>7</sup> Installation of Marksman cartridge with CB flange requires an additional housing hold down plate as follows:

Part Number	Description
ERA286666C	CBFP 11/12 Hold-Down Plate, Stainless Steel, 2" Inlet
ERA286667C	CBFP 11/12 Hold-Down Plate, Stainless Steel, 3" Inlet

### Flange Part Numbers

PN	Description
T20095030	A style s/s slide flange
T20095031	B style s/s slide flange
T20095032	C style s/s slide flange
T20095036	CB style s/s slide flange
T20095035	F style s/s slide flange



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