

NYLON MELT-BLOWN CARTRIDGE

FCN series



Feature-Tec's FCN nylon meltblown filter cartridges provides filtration characteristics that are more consistent than melt-blown polypropylene filter cartridges. They are suitable for applications with higher temperatures and perfect for special solvent filtration.

Applications

- Vapor degreasing
- Solvents
- Amine
- Clarification of kerosene, gasoline and diesel
- Paints & varnishes
- Lacquers
- Hydraulic oils
- E-coat
- Liquid propane gas (LPG)
- High temperature fluids
- Emulsions and many more

Features and benefits

- Excellent chemical and thermal compatibility
- No binders or additives
- High void volume provides low differential pressure and excellent dirt holding capacity

- Excellent for applications with temperatures up to 125 °C
- Available in a wide variety of adapter/end cap configurations
- Graded density for maximum dirt holding capacity
- According to FDA requirements title 21 (CFR 177.1500)

Filter specifications

Material

Nylon 6 melt-blown

Inner core

Nylon 6

O-rings / Gaskets

Buna N, Silicone, EPDM, Viton

Retention ratings

1, 5, 10, 25, 50, 75, 100 µm

Dimensions / Parameters

Nominal lengths

10", 20", 30", 40"
(254, 508, 762, 1016 mm)

Outside diameter

2.48" (63 mm)

Inside diameter

1.1" (28 mm)

Maximum operating temperature

125 °C (257 °F)

Max. differential pressures

Without nylon core

1 – 25 µm:

2.45 bar @ 21 °C (35.5 psid @ 70 °F)

50 – 100 µm:

0.98 bar @ 21 °C (14.2 psid @ 70 °F)

Recommended change-out

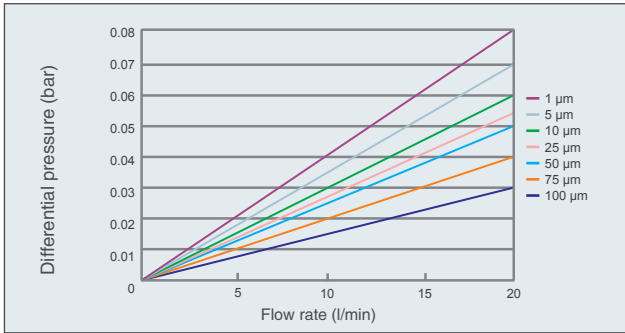
pressure drop for disposal

With nylon core

3.5 bar @ 21 °C (50.8 psid @ 70 °F)

1 bar @ 125 °C (14.5 psid @ 257 °F)

FCN Flow Rate (10" length)*



* For fluids with a dynamic viscosity of 1 mPa·s @ 20 °C

FCN Filter Efficiency (%)

Removal ratings (µm)	Filtration Efficiency (%)	
1	2µm	90%
5	5µm	90%
10	10µm	90%
25	25µm	90%
50	50µm	90%
75	75µm	90%
100	100µm	90%

Ordering information

Nominal lengths

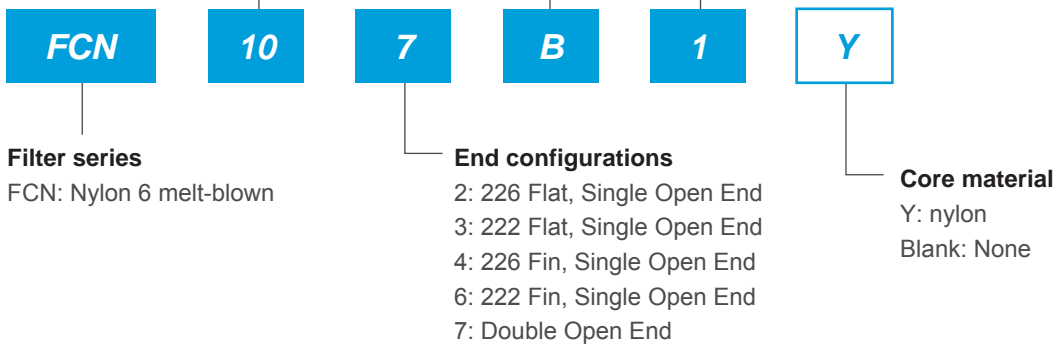
- 10: 10" (254 mm)
- 20: 20" (508 mm)
- 30: 30" (762 mm)
- 40: 40" (1016 mm)

O-rings / Gaskets

- B: Buna N
- S: Silicone
- E: EPDM
- V: Viton
- U: None

Retention ratings

- 1: 1 µm
- 5: 5 µm
- 10: 10 µm
- 25: 25µm
- 50: 50 µm
- 75: 75 µm
- 100: 100 µm



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