

## M3 DFT Classic® Series Filter Cartridges

### High Capacity Depth Filter Cartridges With Positive Double O-ring Sealing

- Double O-ring sealing effectively eliminates potential fluid bypass in most applications
- No epoxies or glues to contaminate fluid streams
- Fits most standard 222 O-ring housings
- Wide range of retention ratings to meet specific application requirements
- Inexpensive alternative to pleated cartridges
- Polypropylene or cotton media suitable for a wide range of applications
- Extends life of expensive final filters in many applications

### Performance Specifications

#### Filter grades

0.5, 1, 3, 5, 10, 25 µm

#### Maximum differential pressure

3.45 bard @ 25°C (50 psid @ 77°F)

#### Maximum operating temperature

2.8 bard @ 60°C (40 psid @ 140°F)

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

2.4 bard (35 psid)

### Product Specifications

#### Materials of construction

Filter media:	Bleached cotton, standard cotton, FDA-listed polypropylene <sup>2</sup>
Center core:	Polypropylene
Sealing:	Thermal bond
O-rings:	Nitrile, fluorocarbon elastomer, hydrocarbon rubber, silicone elastomer



#### Dimensions (nominal)

Outside diameter:	6.4 cm (2.5 in)
Lengths:	25.4 cm (10 in), 50.8 cm (20 in), 76.2 cm (30 in), 102 cm (40 in)

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

<sup>2</sup> Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

## Material Selection Guide

Material	Filter Medium	
	Cotton	Polypropylene
Polypropylene core	60°C (140°F) maximum temperature	60°C (140°F) maximum temperature
Potable liquids, water	Excellent	Excellent
Oils	Excellent	Good
Organic acids	Good	Excellent
Alkalies	Good	Excellent
Oxidizing agents	Fair	Poor
Strong inorganic acids	Not recommended	Excellent
Dilute inorganic acids	Fair	Excellent
Microorganism resistance	Poor	Excellent

## Ordering Information

Pall Part Number = 1 2 AW 3 U 4 - M3

Table 1

Code	Filter medium
C	Bleached cotton
SC	Standard cotton
U	FDA-listed polypropylene

Table 2

Code	Filter grades (µm)
0.5	0.5
001	1.0
003	3.0
005	5.0
010	10
025	25

Table 3

Code	Cartridge lengths (cm/in) nominal
10	25.4 / 10
20	50.8 / 20
30	76.2 / 30
40	102 / 40

Table 4

Code	O-ring materials
S	Silicone
E	Hydrocarbon rubber
V	Fluorocarbon elastomer
N	Nitrile



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