Pall Corporation

DFT Classic® Fluoropolymer Series Filter Cartridges

Depth Filters for Aggressive and High Temperature Fluids

- All PTFE construction for compatibility with a wide range of process fluids
- Available in retention ratings of 0.5, 1, 3, 10, or 25 microns (µm)
- Fits into most standard housings
- May be used as a final filter in many applications, or to provide superior protection for membrane final filters
- PVDF and PFA housings are available for use in all fluoropolymer filtration systems
- M3[1] or DOE end configurations are available as standard products

Performance Specifications

Filter grades

0.5, 1, 3, 10, 25 µm

Maximum operating temperature

PTFE is broadly compatible with many chemicals up to 185°C (365°F)[2]

Product Specifications

Materials of construction

Filter media:	PTFE (fluoropolymer)
Center core:	PTFE
222 O-ring:	FEP encapsulated fluorocarbon elastomer (standard)

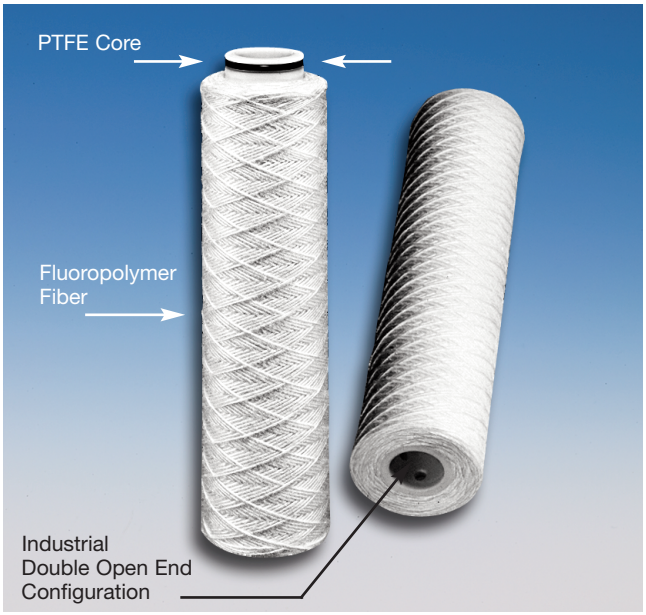
Dimensions (nominal)

Outside diameter:	6.35 cm (2.5 in), DOE only 7.14 cm (2.81 in), M3 only
Lengths:	25.4 cm (10 in), 50.8 cm (20 in), 76.2 cm (30 in)

[1] *Modified M3 end cap configuration features single 222 O-ring; M3 equivalent to Pall Code 3.*

[2] *Because so many factors (e.g. elevated temperatures) can affect the chemical resistance of a given product, you should pre-test under your own operating conditions observing applicable safety practices such as those given in the Material Safety Data Sheet for each chemical. Pall Corporation can provide specific compatibility guidance, testing and data upon request.*

*Filtration. Separation. Solution.*SM



Applications

Acid etch systems - including Piranha Etch Solvent Strip applications

Most aggressive and/or high temperature acids or solvents

Additional High Temperature Materials

Pall can also supply DFT Classic filter cartridges in polyphenylene sulfide (PPS) for high temperature and aggressive applications. Additional PTFE products are also available, including the Fluoryte™ Series filter cartridge, an all-fluoropolymer membrane cartridge. Contact your local Pall representative or distributor for specific information on these products.

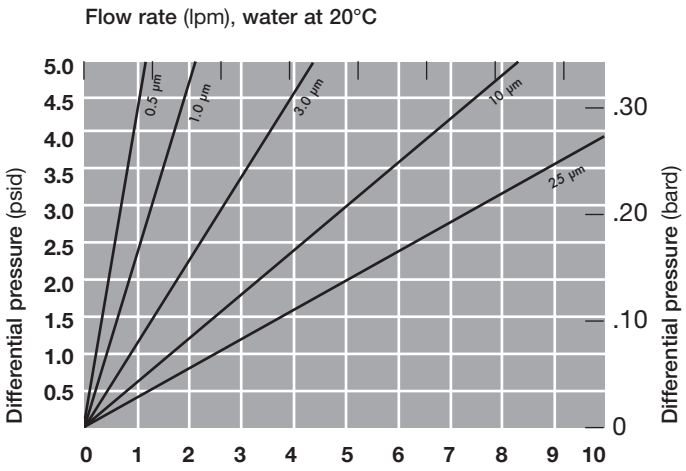
Recirculating Applications

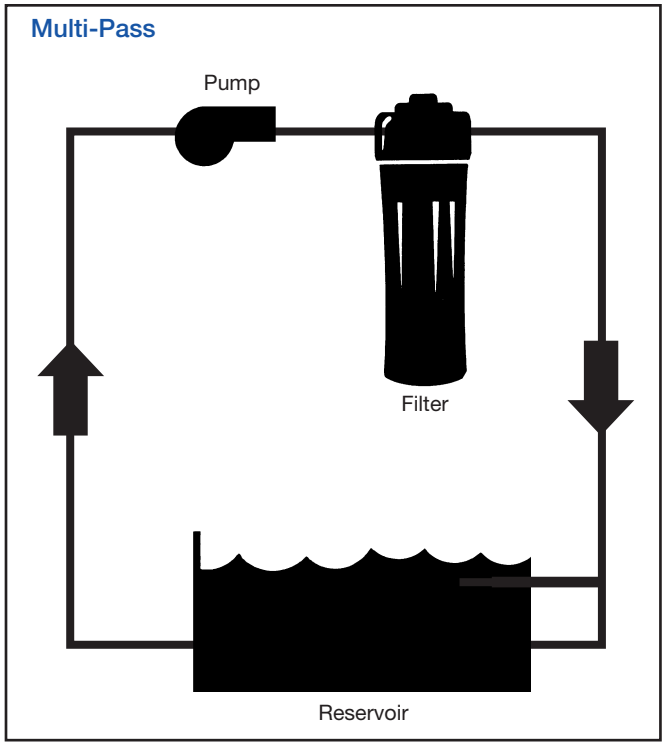
Retention ratings, by convention, are for single pass applications. Many applications involve recirculating systems, where the filter media has several opportunities to capture contaminant. For example, in a 15.1 liter (4 gallon) system circulating at 7.6 lpm (2 gpm), the fluid passes through the filter cartridge five times in ten minutes. Thus, the effective retention of a filter cartridge is much finer. Specifically, a cartridge rated at 0.5 µm (nominal) on a single pass is often an effective 0.2 µm (nominal) filter on a recirculating basis.

Liquid Retention Ratings (µm) (by ASTM F-795 Test)

Single Pass	Multi-Pass
0.5	0.2
1	0.5
3	1
10	3
25	10

Typical Flow vs. Differential Pressure for Application Sizing





Unit conversion: 1 bar = 100 kPa

Flow rate is for a 25.4 cm (10 in) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP).

Ordering Information

Pall Part Number = T [1] [2] [3] Y – [4]

Table 1

Code	Filter grades (µm)
0.5	0.5
001	1
003	3
010	10
025	25

Table 2

Code	Diameter (cm/in) nominal
A	6.35/2.5
BB	7.14/2.81

Table 3

Code	Cartridge lengths (cm/in) nominal
10	25.4/10
W20	50.8/20
W30	76.2/30

Table 4

Code	End configurations
Blank	DOE industrial
M3	SOE flat closed end, external 222 O-ring (retrofits other manufacturers' Code 0)[3] ("BB" diameter) – only

[3] *For details, contact Pall Corporation.*

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Visit us on the Web at www.pall.com

Pall Corporation has offices and plants throughout the world. For Pall representatives in your area, please go to www.pall.com/contact.

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.

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit www.pall.com to verify that this information remains valid.