

DUO-FINE® P Series Filter Cartridges

High Surface Area Pleated Cartridges With Polyester Hardware

- High Surface Area Pleated Cartridges Combine Excellent Retention Characteristics with High Contaminant Holding Capacity
- Polyester Hardware Provides Excellent Compatibility
- Available in Retention Ratings of 0.2 to 50 µm
- Thermal Bonding Eliminates Epoxies, Adhesives and Glues
- Manufactured Under ISO 9001 Quality System

Performance Specifications

Filter Grades:

0.2, 0.45, 1, 3, 10, 30, 50 µm (normally rated)

Recommended Change Out Differential Pressure¹:

35 psid (2.41 bard)

Maximum Differential Pressure:

75 psid (5.2 bard) @ 68°F (20°C)

40 psid (2.8 bard) @ 200°F (93°C)

Maximum Operating Temperature:

200°F (93°C)

Product Specifications

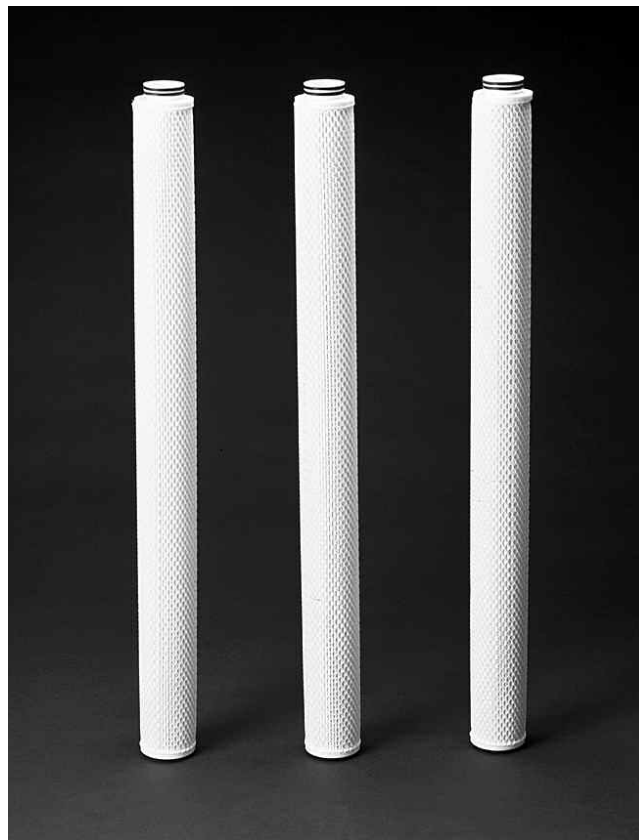
Materials of Construction:

Filter Media:	Borosilicate Microfiberglass with Acrylic Binder
Support Material:	Polyester
Hardware:	Polyester
Sealing:	Thermal Bond
Gaskets/O-rings:	Viton ² A, Buna N, Nordel, Silicone Elastomer, FEP Encapsulated Silicone

Dimensions (nominal):

Outside Diameter: 2 ½" (6.4 cm)

Lengths (tip-to-tip): 10" (25.4 cm), 20" (50.8 cm),
30" (76.2 cm), 30 ⅝" (78.5 cm),
40" (102 cm)



¹ - Provided that the maximum differential pressure is not exceeded based on temperature limits defined above.

² - Registered trademark of DuPont Dow Elastomers.

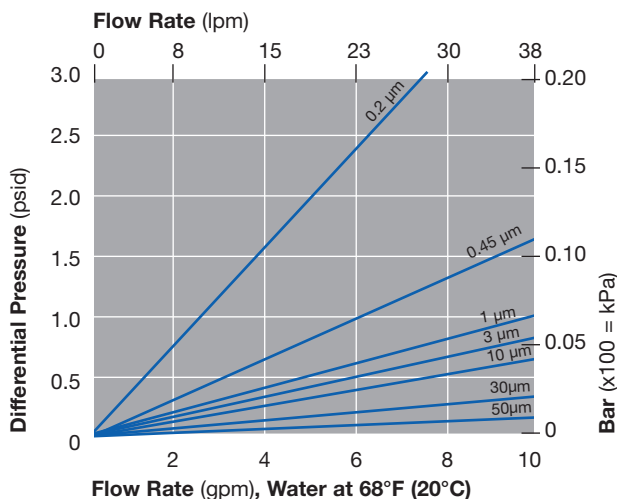
Particle Retention

Cartridge Designation	Liquid Service (by ASTM F-795 Test)		Gas Service
	90% Efficiency	>99.9% Efficiency	Removal Efficiency by DOP Test
DFPT 0.2	0.2	1.0	99.999%
DFPT 0.45	0.45	2.0	99.998%
DFPT 1	1.0	4.0	96%
DFPT 3	3.0	10.0	_____
DFPT 10	10.0	18.0	_____
DFPT 30	30.0	45.0	_____
DFPT 50	50.0	65.0	_____

Duo-Fine P Series filter cartridges have been extensively laboratory and field tested to determine removal efficiencies in the most stringent of operating conditions.

The removal rating of any filtration device will depend, to some extent, on the conditions under which it is used or tested. The test results will be influenced by the nature of the fluid, its viscosity, the flow rate, the type of contaminant, and the temperature. The absolute ratings given above represent the diameter of the largest hard spherical particle that will pass through the filter under normal operating conditions. Consult Pall for a complete description of Pall's test procedures.

Typical Flow vs. Differential Pressure for Application Sizing



Flow rate is per 10" (25.4 cm) cartridge. For liquids other than water, multiply pressure drop by fluid viscosity (cP).

Part Numbers/Ordering Information

DFPT ■ – ● E ◆ – ▼ (e.g. DFPT 1–40EV–M3)

Code	Filter Grades*	Code	Gasket/O-ring Materials
0.2	0.2 µm	S	Silicone
0.45	0.45 µm	N	Buna N
1	1 µm	E	Nordel
3	3 µm	V	Viton A
10	10 µm	T	FEP Encapsulated Silicone (O-rings)
30	30 µm		
50	50 µm		

Code	Cartridge Lengths (nominal)	Code	End Configurations
●		▼	
10	10"	DOE	DOE with elastomer gasket seals & end caps
20	20"	M3	SOE flat closed end, external 222 O-rings (retrofits other manufacturers' Code 0) ³
30	30"		
30.9	30.9"		
40	40"	M8	SOE fin end, external 222 O-rings (retrofits other manufacturers' Code 5) ³

³ - For details, contact Pall Corporation.



25 Harbor Park Drive
 Port Washington, New York 11050
 +1 888 873 7255 toll free (U.S. only)
 +1 516 484 3600 phone
 +1 516 484 0364 fax
 www.pall.com web

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Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Arab Emirates, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.