Pall Corporation

DFT Classic® Series Filter Cartridges

Reliable, Consistent Filtration Performance From Each Cartridge

- Graded pore structure for efficient removal of a wide range of particle sizes
- Cost savings from long service filter life
- Diverse range of removal ratings
- Wide chemical compatibility
- Suitable for liquid and gas filtration
- High contaminant-holding capacity
- Cartridges fit into most standard housings
- Various cartridge sealing options
- Numerous cartridge configurations
- Manufactured under ISO 9001 quality system

Performance Specifications

Filter grades
0.5, 1, 2, 3, 5, 7, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200, 250, 300, 350 µm

Maximum temperature rating
See Material Selection Guide (page 2)

Product Specifications

Materials of construction

Filter media
Bleached cotton, standard cotton, natural cotton, glass fiber, heat purified glass fiber, premium polypropylene, standard polypropylene, rayon, polyester, nylon, acrylic, polyphenylene sulfide (PPS).

Center core
Polypropylene, electrolytic tin plated steel (ETP), 304 stainless steel, 316 stainless steel.

Core cover option
Used to control fiber migration; compatible with existing fiber. Materials include polypropylene, nylon, fiberglass, and polyester.

End treatment option
Additional fiber migration control; compatible with existing fiber material.

Dimensions (nominal)

Outside diameter:	5.1 cm (2 in), 6.0 cm (2.375 in), 6.4 cm (2.5 in), 6.7 cm (2.625 in) optional
Inside diameter:	2.5 cm (1 in)
Lengths[1]:	24.8 cm (9.75 in), 25.4 cm (10 in), 49.5 cm (19.5 in), 50.8 cm (20 in), 74.9 cm (29.5 in), 76.2 cm (30 in), 99.1 cm (39 in), 100.3 cm (39.5 in), 102 cm (40 in), 125.7 cm (49.5 in), 127 cm (50 in)

[1] For additional length requirements, consult your Pall representative.

Typical Applications

- **Chemicals:** polishing of chemical solutions, bulk industrial chemicals, solvents, acids, bases, monomers, process and cooling water
- **Magnetic Coatings:** audio, video & computer tape, floppy discs, computer hard discs, solvents
- **Photographic:** photo emulsions, chemicals, wash & rinse water
- **Oil Production:** well completion fluids, water flood
- **Air & Gas:** compressed air, instrument air, most gases including nitrogen, hydrogen, helium, freon, most corrosive gases
- **Other:** solution mining, deep well disposal, paint, ink & coatings, lubricating oils, electropolishing solutions, plating solutions, pigments & dyes, cleaning fluids, adhesives.

Material Selection Guide

Filter Medium	Premium Cotton	Premium Polypropylene	Rayon	Polyester
Maximum Temperature				
with metal core	149°C (300°F)	93°C (200°F)	149°C (300°F)	121°C (250°F)
with polypropylene core	60°C (140°F)	60°C (140°F)	60°C (140°F)	60°C (140°F)
Compatibility with:				
Potable Liquids, Water	Excellent	Excellent	Good	Good
Organic Solvents	Excellent	Good	Excellent	Excellent
Oils	Excellent	Fair	Excellent	Good
Organic Acids	Good	Excellent	Good	Good
Alkalies	Good	Excellent	Good	N/R
Oxidizing Agents	Fair	Poor	Fair	Good
Steam, Non-Continuous	N/R	Fair	N/R	Fair
Strong Inorganic Acids	N/R	Excellent	Poor	Fair
Dilute Inorganic Acids	Fair	Excellent	Fair	Good
Microorganism Resistance	Poor	Excellent	Poor	Excellent

Filter Medium	Glass Fiber	PPS	Nylon	Acrylic
Maximum Temperature				
with metal core	399°C (750°F)	191°C (375°F)	121°C (250°F)	93°C (200°F)
with polypropylene core	60°C (140°F)	60°C (140°F)	60°C (140°F)	60°C (140°F)
Compatibility with:				
Potable Liquids, Water	Poor	Excellent	Poor	Good
Organic Solvents	Excellent	Excellent	Excellent	Good
Oils	Excellent	Excellent	Excellent	Good
Organic Acids	Excellent	Excellent	Fair	Good
Alkalies	Poor	Excellent	Excellent	Fair
Oxidizing Agents	Excellent	Poor	Fair	Good
Steam, Non-Continuous	N/R	Fair	Fair	Poor
Strong Inorganic Acids	Excellent	Excellent	N/R	Good
Dilute Inorganic Acids	Excellent	Excellent	Poor	Excellent
Microorganism Resistance	Excellent	Excellent	Excellent	Excellent

N/R = Not Recommended

Ordering Information

-U0010AW40S---

Pall Part Number = 1 2 3 4 5 6 7 8 9 10 11

Table 1

Code	Type of service
Blank	Liquid
G	Gas/air

Table 2

Code	Filter medium
C	Bleached cotton
E	Polyester
F	Glass fiber
G	Heat purified glass fiber
U	Premium polypropylene
P	Standard polypropylene
RT	PPS
N	Nylon
O	Acrylic
R	Rayon
NC	Natural cotton
SC	Standard cotton

Table 3

Code	Filter grades (µm)
0.5	0.5
001	1
002	2
003	3
005	5
007	7
010	10
015	15
020	20
025	25
030	30
040	40
050	50
075	75
100	100
150	150
200	200
250	250
300	300
350	350

Table 4

Code	Outside diameter (nominal)
A	2.5 in (standard)
B	2.625 in
D	2 in
R	2.375 in

Table 5

Code	Integrally wound
Blank	For under 10 inches
W	All cartridges over 10 inches are integrally wound

Table 6

Code	Cartridge lengths nominal (cm/in)
9.75	24.8/9.75
10	25.4/10
19.5	49.5/19.5
20	50.8/20
29.5	74.9/29.5
30	76.2/30
39	99.1/39
39.5	100.3/39.5
40	102/40
49.5	125.7/49.5
50	127/50

Table 7

Code	Core material
A	304 stainless steel
S	316 stainless steel
T	Electrolytic tin plated steel (ETP)
U	Polypropylene

Table 8

Code	Core cover
Blank	None
C	Compatible with and equal to resistance of filter medium

Table 9

Code	End treatment
Blank	None
E	Compatible with and equal to resistance of filter medium

Table 10

Code	Extended core
Blank	None
EC1A	304 stainless steel
EC1S	316 stainless steel
EC1T	Electrolytic tin plated pteel (ETP)
EC1U	Polypropylene

Table 11

Code	Packaging
Blank	Bulk
1PK	Individually wrapped

Pall Corporation

25 Harbor Park Drive
Port Washington, NY 11050
+1 516 484 3600 telephone
+1 800 289 7255 toll free US

Portsmouth - UK
+44 (0)23 9233 8000 telephone
+44 (0)23 9233 8811 fax
industrialeu@pall.com

Filtration. Separation. Solution.SM

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.

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