



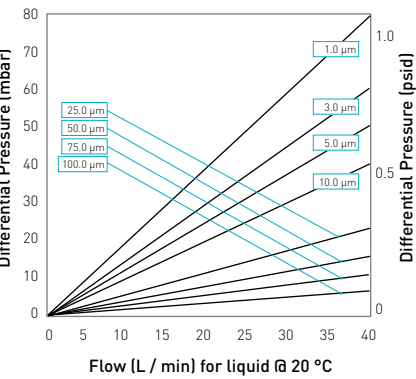
DURABOND cartridges are the most economical high strength filter cartridges available. Featuring an integral rigid thermally bonded construction, the DURABOND provides consistent filtration for a wide variety of fluids.

Its fixed pore structure acts as a sieve-like particle 'classification' filter for pigmented coatings allowing pigments to pass while stopping large agglomerates.

Features and Benefits

- Fixed pore structure provides efficiency, integrity and optimum particle retention
- Thermally bonded bicomponent fibre matrix provides rigid dimensionally stable construction without fibre migration
- Rigid construction eliminated contaminant unloading and channelling
- Corrugated porous surface maximises dirt holding capacity
- Silicone free construction will not change coating properties

Performance Characteristics



10" Size (250 mm) Cartridge

DURABOND Filter Cartridges

- thermally bonded
- polypropylene / polyethylene



DURABOND Filter Cartridges

Specifications

Materials of Construction

- Filtration Media: Thermal Bonded biocomponent matrix of polypropylene / polyethylene
- End Caps / Adapters: (optional) Polyolefin copolymer
- Seal Options: Refer to ordering information

Dimensions
1-1/16 in (27 mm) ID x 2-7/16 (62 mm) in OD

Recommended Operating Conditions
Maximum Temperature
80°C (175°F)

Maximum Differential Pressure
6.8 bar (100 psid) at 27°C (72°F)
3.4 bar (50 psid) at 80°C (175°F)

Maximum Flow Rate
18.9 lpm per 10" in length

Changeout dP
2.1 bar (30 psid)

Retention Characteristics

The retention characteristics of DURABOND filter cartridges have been determined by a single-pass technique using suspensions of ISO 12103 Pt. 1 A2 Fine and A4 Course test dust in water.

Micron Rating at Various Efficiencies				
99.90%	99%	95%	90%	
1000	100	20	10	
1	5	4	2	1
3	10	8	4	3
5	20	16	10	5
10	30	25	15	10
25	55	50	30	25
50	90	80	70	50
75	>100	>100	100	75
100	>100	>100	>100	100

Applications

- Photographic chemicals
- Plating solutions
- Bleach
- Organic solvents
- Membrane prefiltration
- Industrial coatings
- Magnetic coatings
- Processing fluids

Ordering Information

DBC

Code Micron	Code Material	Code Length (Nominal)	Code End Fitting	Code Seal Material
1 1 µm 3 3 µm 5 5 µm 10 10 µm 25 25 µm 50 50 µm 75 75 µm 100 100 µm	M FDA Grade Polypropylene	9-4 9.75" (247 mm) 10 10" (254 mm) 19-4 19.50" (495 mm) 20 20" (508 mm) 29-4 29.25" (743 mm) 30 30" (762 mm) 39-4 39" (991 mm) 40 40" (1016 mm) 50 50" (1270 mm)	None DOE (w/o gaskets) AR 020 / Flat (Gelman) DO Double open end (DOE) LL 120 O-Ring both ends* LR 120 O-Ring / Recessed* OB Standard open End / Polypro spring closed end PR 213 O-Ring Recessed* SC 226 O-Ring / Flat SF 226 O-Ring / Fin TC 222 O-Ring / Flat TF 222 O-Ring / Fin TX 222 O-Ring / Flex Fin XA DOW w / Extended Core XB Ext. Core open end Polypropylene spring closed end	None No Seal Material (Std DOE) P Poly Foam Gaskets w / Collars (DO only) E EPR N Buna-N S Silicone (O-Ring only) T PFA Encapsulated Viton** (222, 226 O-Ring only) V Viton** W Poly Foam Gaskets without collars (DO only)

*Available only in 9.75" [9-4] and 19.5" [19-4]

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