DURABOND Filter Cartridges

- thermally bonded
- polypropylene / polyethylene

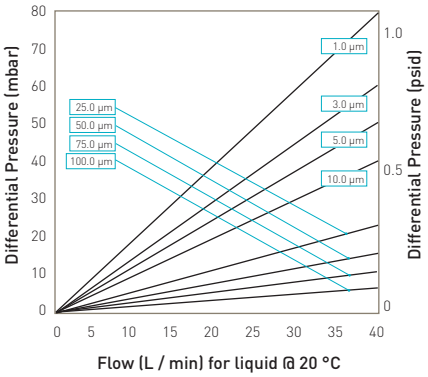
DURABOND cartridges are the most economical high strength filter cartridges available. Featuring an integral rigid thermally bonded construction, the DURABOND provides consistent filtration for a wide variety of fluids.

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

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% 1000	99% 100	95% 20	90% 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
1	1 µm
3	3 µm
5	5 µm
10	10 µm
25	25 µm
50	50 µm
75	75 µm
100	100 µm

Code	Material
M	FDA Grade Polypropylene

Code	Length (Nominal)
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)

Code	End Fitting
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

Available only in 9.75¨ (9-4) and 19.5¨ (19-4)

Code	Seal Material
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)

***Viton is a registered trademark of E.I. DuPont de Nemours & Co., Inc*

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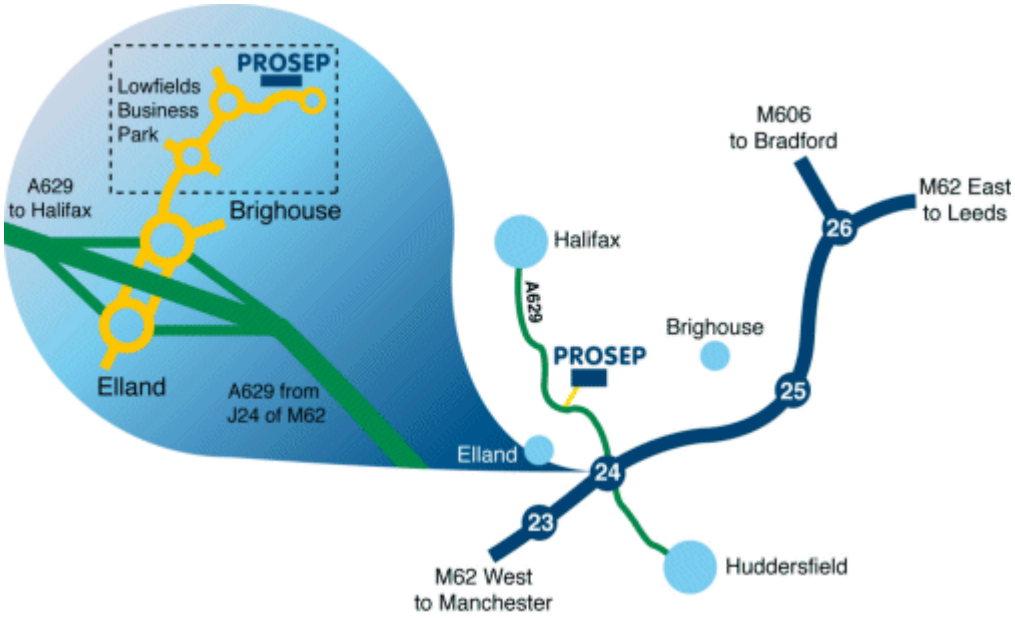
Map and Directions to Prosep Filters Limited



Leave M62 at Junction 24.
At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.
Take 1st exit slip road.
At roundabout at end of sliproad, take 3rd exit off.
This is the entrance to Lowfields Business Park.
Proceed straight over 1st roundabout.
At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

Link to Google Maps