

SUPAWIND

Wound Depth Cartridges



SupaWind depth filter cartridges are manufactured from high quality yarn wound continuously around a cylindrical support core.

The wind pattern is designed to create tapered spiral passageways. During manufacture fibres are combed across these passageways and locked into place by successive layers. The passageways being tapered, provide finer filtration towards the centre of the cartridge.

The traditional wound construction of the SupaWind provides inherent strength, is not easily punctured and is capable of withstanding severe operating conditions. Solid matter in the liquid is removed by impingement entrapment in this highly efficient filter media, both on the surface, and throughout the entire depth of the cartridge.

Our SupaWind elements are manufactured in controlled conditions in a state of the art manufacturing facility. The yarn is spun from high quality staple fibre specifically for filter cartridge manufacture.



Product Features

- Wide range of fibre types
- Integral support core
- Wide chemical compatibility
- All cartridges continuously wound
- Washed yarn option

Cartridge filtration systems generally operate most effectively and economically on applications having contamination levels less than 0.01% by weight (100ppm). For heavier contamination applications, cartridges are normally only used as the final polishing filters.

Amazon DuoLine bag filters are often used as suitable pre filters; please contact Amazon Filters for more information on this range of products.

Features and Benefits

- Range of nominal ratings from 1 to 100µm
- Temperature range up to 400°C
- Wide choice of fibre types and core materials for maximum chemical compatibility
- Graded density structure for high dirt holding capacity
- Most medias suitable for Food contact applications

Industries and Applications

Food and Beverage	• Bottled water, Flavours, Polishing lines, Trap filters, Aromatic oils, Concentrates
Fine Chemicals	• Solvents, Process streams, Acids, Alcohols
Petrochemicals	• Amine streams, Glycol, Heat transfer oils, Strong Oxidisers
Cosmetics	• Alcohols, Essential oils, Water lines, Transfer filters
Water Treatment	• Membrane protection (Reverse Osmosis, Nano), Resin trap, Potable water
Metal Finishing	• Plating solutions, Paint and resin products, Wash solutions

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SupaWind Technical Data

Dimensions

Outside Diameter: 62mm
Core Diameter: 28mm

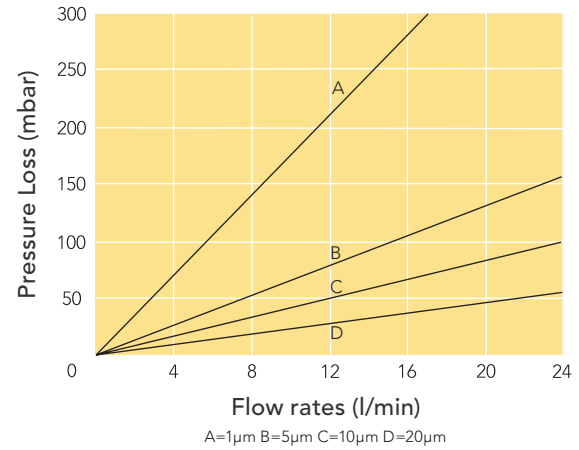
Maximum Operating Conditions

Temperature 01PP: 80°C
01PT: 100°C
01CT: 120°C
01GT: 400°C

Recommended change-out differential pressure: 2.5 Bar

Maximum ΔP	PP Media PP Core	PP Media Tinned St Core	PP Media St.St Core
@ 20°C	4.0	4.0	4.0
@ 50°C	1.5	4.0	4.0
@ 80°C	0.25	4.0	4.0
@ 100°C	-	4.0	4.0

Flow Rates for Water
(10" Element)



Ordering Guide

01P	P	005 -	20	N	N	P	
Media	Core/Assembly	Micron Rating	Length	End Caps	Seal	Branding	Options
01C - Bleached Cotton 01G - Glass Fibre 01P - Polypropylene	P - Polypropylene T - 316 St.Steel	001 - 1.0µm 005 - 5.0 010 - 10 020 - 20 050 - 50 075 - 75 100 - 100	05 - 125mm 09 - 251 10 - 254 19 - 500 20 - 508 29 - 752 30 - 762 39 - 1002 40 - 1016	N - None	N - None		

Example: 01PP005-20NNP = Polypropylene media, Polypropylene core, 5µm rating, double length 508mm (20") long.

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