

PCB Series Depth Filter Cartridge

Rigid depth filter cartridges for high efficiency, particulate reduction

The PCB range of rigid, depth disposable cartridge filters represents the latest innovation in cost effective depth filtration.

Using state of the art manufacturing, PCB cartridges employ a unique process which produces controlled fibre diameters to create a cartridge with large void volumes for enhanced dirt capture and extended service life.

All PCB depth filters feature 100% virgin polypropylene fibres with the option of glass microfibres for use in critical processing applications. All cartridges feature a grooved surface structure for greater surface area for enhanced dirt holding, lower pressure drops and longer overall filter life.



All PCB cartridges are designed to yield high particle capture even under pulsating flow. Each grade is benchmarked to yield consistency in terms of end filtrate quality throughout the life of the filter. Available in a range of ratings from 0.5 to 100 µm, PCB filters are available in a range of lengths & end Treatment options including various DOE & SOE, configurations.

FEATURES	BENEFITS
<ul style="list-style-type: none"> High efficiency, graded density construction Grooved surface 	<ul style="list-style-type: none"> Superior dirt holding capability and lower pressure drops for enhanced overall economics
<ul style="list-style-type: none"> Rigid filter construction 	<ul style="list-style-type: none"> Consistent and reproducible filtration, without any chance of by-pass
<ul style="list-style-type: none"> 100% polypropylene construction with the option of glass Microfibres for enhanced filter performance in critical applications 	<ul style="list-style-type: none"> Broad chemical compatibility, ideal for use in a myriad of applications
<ul style="list-style-type: none"> USFDA CFR 21 Listed 	<ul style="list-style-type: none"> Ideal for food & beverage contact
<ul style="list-style-type: none"> Manufactured Under an ISO 9000 regime 	<ul style="list-style-type: none"> Consistent, reproducible product quality Lot release tested.

PERFORMANCE

Flow Rates

PCB series rigid depth filters have been developed to fill the need for high contaminant holding capability while also producing consistent reproducible filtration. For sizing and pressure drop queries please contact Saipol directly.

Applications

PCB series depth filter cartridges are used in a myriad of applications including :

Oil & Gas Processing – Amine & Glycol, Completion Fluids, Waterflood, Hydrocarbon Streams
 Industrial – Plating, Desalination, process cooling water, strong oxidising acids and bases
 Food & Beverage – Bottled Water, Soft Drinks, Juice, RTD's, make up water
 Pharmaceutical – PRE RO, Rinse Water, Particle control in WFI, API's

Product Specifications

MATERIALS OF CONSTRUCTION	
Filter Media	Polypropylene
End Treatment Options	Various available
OPERATING PARAMETERS	
Maximum Differential Pressure (Forward)	5.1 Bar @ 20C, 2.2 Bar @ 85C
Maximum Operating Temperature	80C
Recommended Changeout Differential Pressure	35psid (240Kpa)
NOMINAL FILTER DIMENSIONS	
Filter Diameter	2.75" (70 mm)
Nominal Lengths	9 3/4", 10", 19 1/2", 20", 29 1/4", 30", 29" & 40"

PCB – Ordering Guide

PCB Series	Retention Rating (µm)	Cartridge Length	End Treatments	Gaskets / O-Rings
PCB	0.5, 1, 2,3, 5, 10, 20, 30, 50, 75,100	9 3/4", 10", 19 1/2", 20", 29 1/4", 30", 29" & 40"	Code 3,8 &7 DOE & Flat Closed End	EDPM, Viton, Silicone, Encaps PTFE

For further information :

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