

SDB Series

High Performance Nonwoven Depth Filters

DEPTH FILTER



The SDB Series high-performance depth filters are made from PE/PP bi-component nonwoven media. The dual-layer fiber design provides superior filtration efficiency, strength, and fine particle retention. Offering excellent chemical and thermal stability, they are ideal for semiconductor, pharmaceutical, and precision chemical processes requiring high-purity filtration.

Specifications

Construction Materials

Filtration Media	Polyolefin
Core Support	Polypropylene
Gaskets / O-rings	Silicone, TEV, Viton, EPDM, Foamed PE

Dimensions

Length	250, 500, 750, 1000 mm
Inner Diameter	28, 30 mm
Outer Diameter	62, 65 mm
Micron Rating	0.5 - 100 µm (Nominal)

Operating Conditions

Differential Pressure	Max. 4.0 bar at 20 °C
Change-out ΔP	Max. 2.0 bar at 20 °C
Temperature	Max. 80 °C

Features and Benefits

- PE/PP bi-component media for high filtration quality
- Dual fiber layers improve retention and strength
- Excellent thermal and chemical resistance
- Designed for high-purity and precision processes
- Longer lifespan with stable differential pressure

Applications

- Semiconductor
- Pharmaceutical
- Precision chemical
- Food & beverage
- Electronics
- DI water
- Coating fluids
- Industrial filtration

Ordering Information

SDB	MICRON	MEDIA	LENGTH	ID/OD	CORE	END STYLE	SEALS
	A05 : 0.5µm	B1 : Polyolefin	K10 : 250mm	1 : Ø28/62	A : None	1 : DOE	A : None
	001 : 1µm		K20 : 500mm	2 : Ø30/62	B : PP	2 : 222/FLAT	B : Silicone
	005 : 5µm		K30 : 750mm	3 : Ø28/65	C : SUS304	3 : 222/FIN	C : TEV
	010 : 10µm		K40 : 1000mm	4 : Ø30/65		4 : 226/FLAT	D : Viton
	025 : 25µm					5 : 226/FIN	E : EPDM
	050 : 50µm						
	075 : 75µm						
	100 : 100µm						