

Product Information

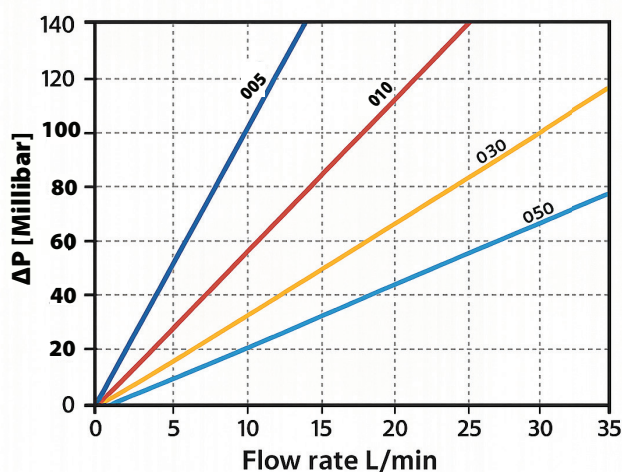
- The FilterBOR cartridges use a filter medium made of positively charged borosilicate fibres.
- The fibres are fixed to a depth support. This design gives high mechanical resistance. The filter medium does not release fibres.
- In addition to size-based sieving, the positively charged filter medium retains colloids, organic material, and bacteria. These contaminants have a negative electrical charge.
- Optimized pleating increases service life and contaminant storage capacity.
- The filtration range is from 0.5 μm to 5.0 μm .
- Absolute retention is more than 99.98% for particles of the specified filtration rating. FilterBOR meets the requirements for food contact with water solutions.
- This product is for food contact with water solutions, excluding alcoholic and fatty foods, or for air and gas filtration for particle removal.

Quality Standards

- The product is designed, developed, and manufactured in accordance with an ISO 9001-certified quality management system.

Typical Gas Flow Versus Differential Pressure

Water at 20 °C per 10" module



Applications:

- Sterile air and gas filtration
- Gas analysis and emission monitoring
- Compressed air systems
- Laboratory and instrumentation

Sectors:

- Food and beverage
- Pharmaceutical
- Electronics
- Water treatment

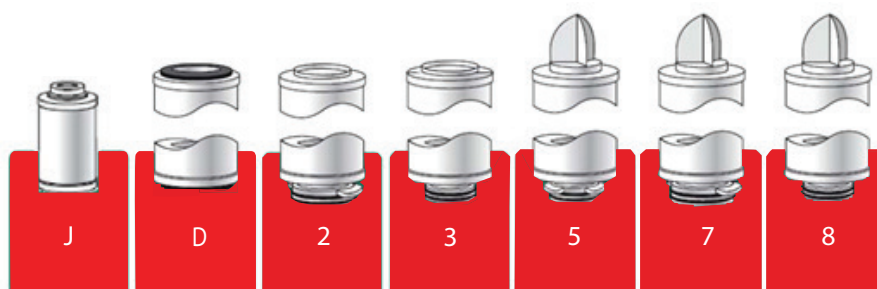
Technical Specifications

Materials of Construction		Microbial Retention Efficiency	
Filter Media	Borosilicate	< 99.98% (ASTM 795)	Absolute rated – filter performance
Support & Drainage Layers	Polypropylene		
Cage	Polypropylene		Consistent and reproducible
Adapter Insert	AISI1316L		Contaminant removal

Operating Conditions		Sterilisation	
Maximum Operating Temperature	Up to 70 °C	Steam	Up to 130 °C per 30 minutes
Max Differential Pressure	5.5 bar at 24 °C	Hot Water	Up to 90 °C per 30 minutes
Max. Forward Flow Dp	1.8 bar at 24 °C		

Nominal Dimensions					Integrity Test Values
Junior					Not applicable to non-membrane filters
Length	62 mm	125 mm	Diameter	56 mm	
Standard					
Length	250 mm	500 mm	Diameter	70 mm	
	750 mm	1000 mm			

Order Information



Adapter Types						
PBOR	7	10	010	S	0	PH
Product ID	Adapter	Length	Filtration Rating	Gasket O-Ring Material	Insert	Version
PBOR	D = DOE (double open end)				I = with (*)	PH = Pharma version
	2 = 226/2 bayonet/no fin	10 = 10"	005 = 0.5 µm	E = EPDM	0 = without	
	3 = 222/2 without fin	20 = 20"	010 = 1.0 µm	S = Silicone		
	5 = 222/3 bayonet with fin	30 = 30"	020 = 2.0 µm	V = FPM		
	7 = 226/2 bayonet with fin	40 = 40"	030 = 3.0 µm	X = FEP		
	8 = 222/2 with fin		050 = 5.0 µm			
	J = JUNIOR	05 = 05"			(*)When filter is to be sterilised with steam	