

PROFLOW™ II ABR MINI-CAPSULES

Pleated PTFE membrane capsules for sterile venting & gas delivery



Proflo® II Aerosol Bacterial Retentive (ABR) capsules are validated to produce sterile air for tank venting and air supply applications. These capsules exhibit some of the highest air flow rates of any sterilizing-grade filters, and are offered in a choice of three sizes to meet specific gas delivery requirements.

The encapsulated design maximizes efficiency by providing faster, easier changeout without laborious cleaning procedures. Eliminating the need to open reusable housings minimizes the chance of introducing contamination into the process.

BENEFITS

- High air flow rates for effective venting
- 100% integrity tested for reliable product performance
- Wide variety of filter sizes and fittings to meet most system requirements
- Custom ordering option allows different inlet/outlet fittings for specific needs
- Improved vent design eliminates the risk of vent caps breaking free under pressure

APPLICATIONS

- | | |
|---|---|
| <p>Sterile Venting</p> <ul style="list-style-type: none"> • Bioreactors/fermenters • Formulation tanks • RO water storage tanks | <p>Sterile Air/Gas Feed</p> <ul style="list-style-type: none"> • Aseptic packaging • Head space blanketing • Blow/fill/seal |
|---|---|

SPECIFICATIONS

Materials of Construction:

Membrane	PTFE
Support Layers	Polypropylene
Structure	Polypropylene
Housing	Polypropylene

All components meet current USP criteria, and are thermally bonded to assure integrity.

Operating Differential Pressure:

Forward	70 psid (4.8 bar) @ 75°F (24°C)
	35 psid (2.4 bar) @ 140°F (60°C)
	20 psid (1.4 bar) @ 167°F (75°C)
Reverse	30 psid (2.1 bar) @ 75°F (24°C)

Autoclavable and Sanitizable:

Capsules can be autoclaved up to 50 times (60 minutes) at 275°F (135°C), or chemically sanitized in place using common sanitizing agents.

Bacteria Retention:

Proflo® II ABR capsules will provide a sterile effluent when challenged with up to $10^7/cm^2$ CFU of *Brevundimonas diminuta* per filter using an Aerosolized Bacteria Challenge methodology.

Standard Packaging Option:

- Non-sterile
- Pre-sterilized

Integrity Test Values:

Double size capsule

EFA	MINIMUM BUBBLE POINT*		MAXIMUM DIFFUSIONAL FLOW*		
	psig	bar	cc/min	TEST PRESSURE	
ft ² (cm ²)				psig	bar
3.1 (2880)	21	1.4	4	17	1.2

*In a 60/40 IPA/DI Water

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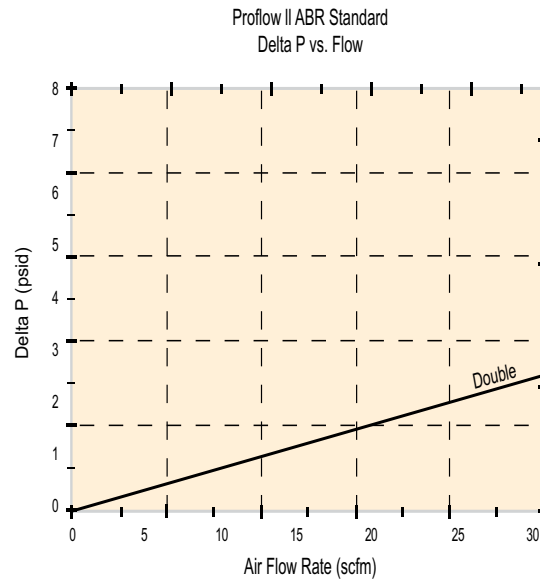
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PERFORMANCE ATTRIBUTES

Typical Air Flow Rates*

Double 0.2 µm 14 scfm/psid (34.7 Nm³/hr/100 mbar)

* At 75°F (24°C) and 15 psia (1 bar)



ORDERING INFORMATION

34 **C** **P** 0 0 2

Size	
CODE	DESCRIPTION
H	Half
S	Standard
D	Double

Inlet/ Outlet	
CODE	DESCRIPTION
B	1/4" Hose barb
H	1/2" Hose barb
S	1-1/2" Sanitary flange
D	Quick Disconnect
P	1/4" NPT (male)
J	1/2" NPT (male)
K	3/8" NPT (female)
G	Swagelok®

Vent O-ring	
CODE	DESCRIPTION
0	Buna N
1	EPR
2	Silicone
4	Viton®
5	FEP Encap Viton®
6	FEP Encap Silicone
N	None
Z	No vents

Standard Packaging Options	
CODE	DESCRIPTION
(blank)	Non-Sterile
S	Pre-SerIALIZED

TECHNICAL SUPPORT AND PRODUCT INFORMATION

Parker provides our customers with unsurpassed product consistency and cost efficiency. Our experienced professionals can help you select the right solution for your application. Orders can be emailed directly to PAFsales@parker.com. For additional information contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at www.parker.com or through the Oxnard office.

Parker designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Coatings and Inks, Process and Chemical industries.

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