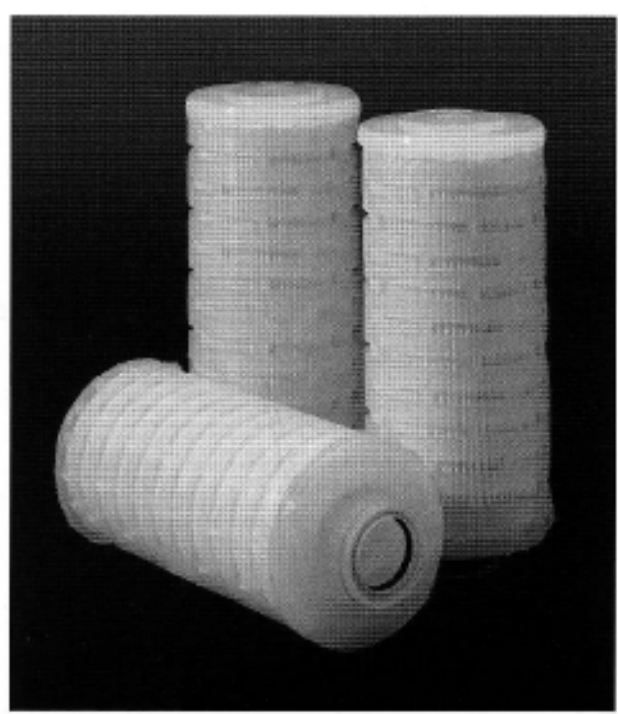


# PROFLOW® II ABR MINI-CARTRIDGES

Pleated PTFE membrane cartridge for sterile venting and gas delivery



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

Proflow II mini-cartridges provide a secure seal and available with a choice of material to fulfill a range of application demands.

## BENEFITS

- High air flow rates for effective venting
- Qualitative retention of aerosolized bacteria offers high titre reduction
- Long service life minimizes changeout frequency
- 100% integrity tested for reliable product performance
- End fittings provide a secure O-ring seal (-116) that is available with a number of material choices

## APPLICATIONS

- Sterile Venting**
- Bioreactors/Fermenters
  - Formulation tanks
  - RO water storage tanks
  - Finished product liquid tanks
- Sterile Air/Gas Feed**
- Aseptic packaging
  - Sparging

## SPECIFICATIONS

### Materials of Construction:

Membrane	PTFE
Support Layers	Polypropylene
Structure	Polypropylene

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

### Maximum 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)

### Bacteria Retention:

Proflow® II ABR mini-cartridges will provide a sterile effluent when challenged with up to 10<sup>7</sup>/cm<sup>2</sup> CFU of *Brevundimonas diminuta* per filter using an Aerosolized Bacteria Challenge methodology.

### Autoclavable and Sanitizable:

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

### Integrity Test Values:

EFA	MINIMUM BUBBLE POINT*		MAXIMUM DIFFUSIONAL FLOW*	TEST PRESSURE	
	psig	bar		cc/min	psig
3.1 (2880)	13	0.9	4	10	0.7

\*In 60/40 IPA/DI Water

# PROFLOW™ II ABR MINI CARTRIDGES

Pleated PTFE membrane cartridge for sterile venting and gas delivery

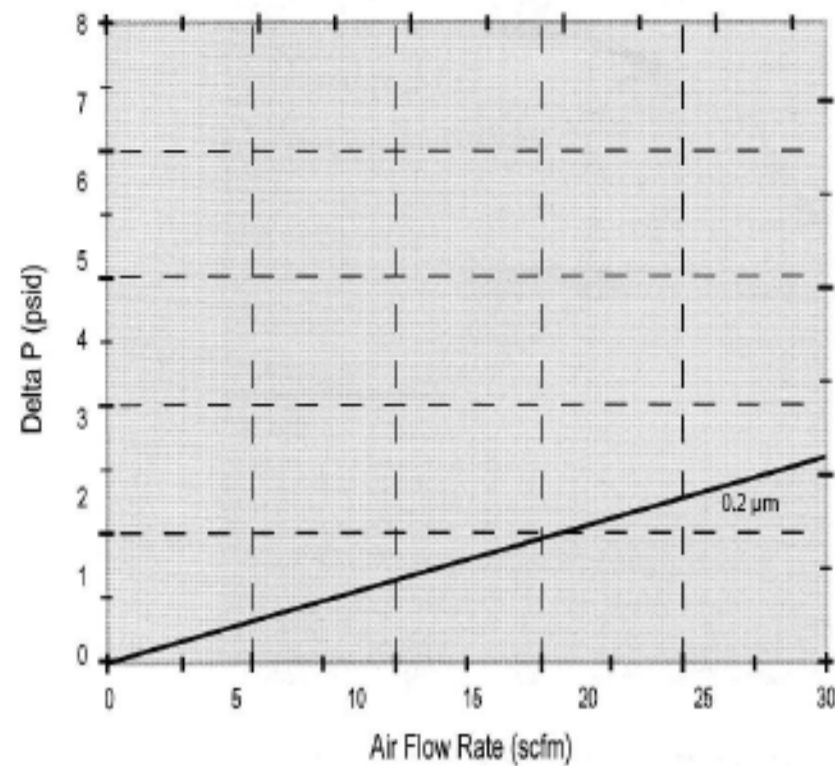
## PERFORMANCE ATTRIBUTES

### Typical Air Flow Rates

0.2 µm      14 scfm/psid      (34.7 Nm<sup>3</sup>/h/1 mbar)

\*At 75°F (24° C) and 15 psia (1 bar)

Proflow II ABR Standard  
Delta P vs. Flow



## ORDERING INFORMATION

34 - M D P M M - 002 -

O-ring	
CODE	MATERIAL
0	Buna N
1	EPDM
2	Silicone
4	Viton®
N	None

## 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](mailto: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](http://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.

## DISTRIBUTED BY:

### FISCHER-ROBERTSON, INC.

3890 Symmes Rd. Hamilton, Ohio 45015 USA  
 p: 513-860-3445 f: 513-860-4744  
[www.fischer-robertson.com](http://www.fischer-robertson.com)  
[sales@fischer-robertson.com](mailto:sales@fischer-robertson.com)

Specifications are subject to change without notification.  
 Proflow® is a trademark of Parker Hannifin Corporation.  
 Viton® is a registered trademark of E.I. DuPont de Nemours & Co., Inc.  
 © 2007 Parker Hannifin Corporation.

