



PROPOR ME Filter Cartridges

- liquid filters
- membrane protection

PROPOR ME is an advanced filter cartridge that provides a cost effective means of particulate removal and microbial reduction in Wine applications.

PROPOR ME filter cartridges are available in a range of removal ratings, ensuring optimum performance for the application. The filter utilises an advanced hydrophilic polyethersulphone membrane, resulting in high flow rates, long life and improved throughputs. Componentry has been specifically selected to maximise mechanical strength and maintain efficiency over long installation periods. The filter cartridges are constructed using asymmetric polyethersulphone membrane pleated between polypropylene support and spacing layers. The configuration provides high effective surface area (EFA). All materials of construction are suitable for food contact and meet the current food contact regulations laid down in EC1935 / 2004 framework.

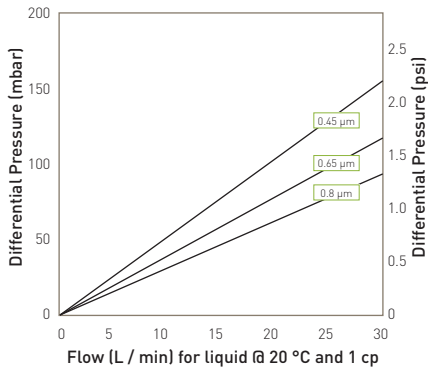
Features and Benefits

- 0.45, 0.65 & 0.8 micron polyethersulphone membrane
- Inherently hydrophilic membrane
- Particulate removal and microbial reduction
- All materials of construction meet EC1935 / 2004 food contact regulations
- Increased protection of final membrane stage



Note: PROPOR is a registered trademark of Parker domnick hunter

Performance Characteristics



For K size for a given flow rate multiply 10" size differential pressure by 2

10" Size (250 mm) Cartridge

Specifications

Materials of Construction

- Filtration Membrane: Polyethersulphone
- Upstream Support: Polypropylene
- Downstream Support: Polypropylene
- Inner Support Core: Polypropylene
- Outer Protection Cage: Polypropylene
- End Caps: Polypropylene
- End Cap Insert (if applicable): 316L Stainless Steel
- Standard o-rings/gaskets: Silicone / EPDM
- Capsule Body: Polypropylene
- Capsule Vent Seals: Silicone

Food and Biological Safety

Materials conform to the relevant requirements of 21CFR Part 177, EC1935 / 2004 and current USP Plastics Class VI - 121 °C and ISO10993 equivalents.

Recommended Operating Conditions

Up to 70 °C (158 °F) continuous operating temperature and higher short-term temperatures during CIP to the following limits:

Temperature		Max. Forward dP	
°C	°F	(bar)	(psil)
20	68	5.0	72.5
40	104	4.0	58.0
60	140	3.0	43.5
80	176	2.0	29.0
90	194	1.0	14.5
>100 (steam)	>212 (steam)	0.3	4.0

Whilst PROPOR ME can withstand reverse pressure, poor control of backwash procedures can result in damage to the product. Consult Parker domnick hunter before using reverse flow or pressurisation techniques.

Effective Filtration Area (EFA)

10" (250 mm) 0.6 m² (6.45 ft²)

Cleaning and Sterilisation

PROPOR ME cartridges can be repeatedly steam sterilised in situ or autoclaved at up to 130 °C (266 °F). They can be sanitised with hot water at up to 90 °C (194 °F) and are compatible with a wide range of chemicals.

For detailed operational procedures and advice on cleaning and sterilisation, please contact the Technical Support Group through your usual Parker domnick hunter contact.

Recommended Rinse Volume

Prior to use - 10 litres per 10" (250 mm) filter cartridge.

Ordering Information

Cartridges

ZCME	-				-	W/P
Code Length (Nominal)	Code Micron	Code Endcap (10")				
1 10" (250 mm)	045 0.45 µm	B	dh DOE			
2 20" (500 mm)	065 0.65 µm	C	BF / 226 Bayonet			
3 30" (750 mm)	080 0.85 µm	G	Recess / 222			
4 40" (1000 mm)		R	BF / 222 Bayonet			

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.