BEVPOR PH WINE Filter Cartridges







BEVPOR PH wine filters protect the unique characteristics of wine by removing yeast and other spoilage organisms to ensure microbial stabilization prior to packaging.

The inert and highly asymmetric PES membrane provides validated microbial retention to typical spoilage organisms whilst preserving the wine's unique properties to ensure it reaches the consumer as the winemaker intended. Combined with hydrophilic properties for easy integrity testing, BEVPOR PH filters provide assured performance throughout their service life.

The incorporation of an integral pre-filter layer, combined with an increased filtration area provides high wine flow rates, greater resistance to blockage and maximized service lifetime.

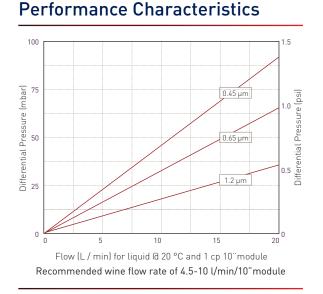
BEVPOR PH filters have been designed to provide the optimum solution to the microbial stabilization of wine by providing increased process control with maximized operational efficiency.

Features

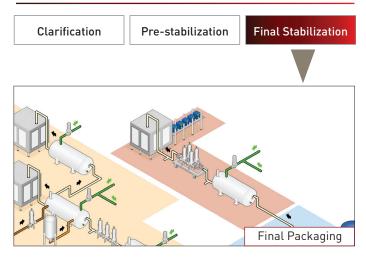
- Validated retention to wine spoilage organisms
- Inert materials of construction
- Easily integrity tested in situ
- Integral depth pre-filtration layer
- High filtration area

Benefits

- Ensures effective microbial stabilization of wine
- Protects the desirable characteristics of the wine
- Assures performance of the filtration
- Increased throughput to blockage
- High wine flow and maximized operational efficiency



Filtration Stage



BEVPOR PH WINE



Specifications

Materials of Construction

Filtration Membrane: Polyethersulphone Polvester

Polyester

Polyester

Nylon

Silicone

Polypropylene

Polypropylene

316L Stainless Steel

- Prefilter Layer:
- Upstream Support:
- Downstream Support:
- Inner Support Core:
- Outer Protection Cage:
- End Caps:
- End Cap Insert:
- Standard o-rings:

Food Contact Compliance



Materials conform to the relevant requirements of 21CFR Part 177, current 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)	(psi)
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

Effective Filtration Area (EFA)

10" (250 mm) Up to 0.8 m² (8.61 ft²)

Cleaning and Sterilization

BEVPOR PH cartridges can be repeatedly steam sterilized in situ or autoclaved at up to 130 °C (266 °F). They can be sanitized with hot water at up to 90 °C (194 °F) and are compatible with a wide range of chemicals. Please refer to our Clean in Place support guide or contact your local Parker representative for more information.

Retention Characteristics

The retention characteristics of BEVPOR PH filters have been validated by challenges performed with the following organisms.

Organism	LRV when challenged with a minimum of 10 ⁷ cfu per cm ²			
		0.45	0.65	1.2
Saccharomyces ce Brettanomyces bru Lactobacillus brevi Acetobacter oeni Pseudomonas aeru Serratia marcesce	xellensis s ıginosa	FR FR FR 9.1 FR	FR FR FR 8.9 FR	FR FR 2.0 7.6 4.8 2.4

*FR - Fully retentive during challenge

Integrity Test Data

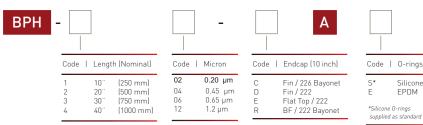
All filters are flushed with pharmaceutical grade purified water prior to despatch. They are integrity tested to the following limits:

Diffusional Flow		Micro	n Ratii	ng
Test Parameters	0.20	0.45	0.65	1.2
Test Pressure (barg)		1.4	1.0	0.6
Test Pressure (psig) Max Diffusional		20.0	15.0	9.0
Flow per 10" (ml /min)		21.0	21.0	21.0

Manufacturing Traceability

Each filter element displays the product description, product code and lot number. Additionally each filter module displays a unique serial number providing full manufacturing traceability.

Ordering Information



	E	EPDM	
onet		Silicone O-rings upplied as standard	

Silicone

VSH & HSL range of Sanitary Beverage Housings

- Multi and single elements
- Designed specifically for the food & beverage industry 0.4µM Ra internal, 0.25µM Ra external
- High quality crevice free construction
- Available for up to 30 round filters
- Sanitary vent, tri-clamp connections as standard
- Sanitary body closure as standard



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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 atterations. 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.