

The Oenoclear II filter cartridge is the latest development for yeast and colloid removal from wine.

Description

The new Oenoclear II filter media is constructed from a unique liquid crystal polymer specifically noted for its thermal stability, high mechanical strength and good chemical compatibility. When configured into single open ended (SOE) AB style cartridges, the resulting filter allows for repeated regeneration and sanitization *in situ* for long service life.

The dense polymer matrix provides excellent yeast and colloid reduction making it ideal for wine tanker filling, final polish filtration in the cellar and protection of downstream membrane filters. When combined, the long service life and high removal efficiency enable low operating costs especially when compared to traditional “sterilizing grade” sheet filters.

Features and Benefits

Features	Benefits
Liquid crystal polymer media	<ul style="list-style-type: none"> Negligible impact on wine characteristics Wide range of chemical compatibility Hot water sanitizable / steam sterilizable
Efficient yeast and colloid reduction	<ul style="list-style-type: none"> Improved protection of the final membrane filters Low operating costs
Regenerable <i>in situ</i>	<ul style="list-style-type: none"> Long service life Capability to switch between red and white wine Simple cleaning
Fixed pore structure	<ul style="list-style-type: none"> Maintains performance with pulsed flow conditions Consistent and reliable filterability index reduction
Enclosed assembly	<ul style="list-style-type: none"> Hygienic operation Low hold up volume Negligible product losses

Oenoclear™ II Filter Cartridges

A regenerable solution for wine pre-filtration



Oenoclear II Filter Cartridges

Quality

- Cartridges produced in a controlled environment
- Manufactured according to ISO 9001:2008 certified Quality Management System

Food Contact Compliance

Please refer to the Pall website www.pall.com/foodandbev for a Declaration of Compliance to specific National Legislation and/or Regional Regulatory requirements for food contact use.

Liquid Removal Rating¹

Liquid removal rating: 0.8 micron
@ 99.98 % Efficiency (β 5000)

¹ The Oenoclear II Filter Cartridge liquid retention rating is based on modified OSU-F2 test.

Materials of Construction

Filter Medium	Liquid crystal polymer on cellulose substrate
Support and drainage	Polyester
Cage, Core, Fin End and End Cap	Polypropylene
Adaptor	Polypropylene with internal stainless steel reinforcing ring
O-ring Seal	Ethylene Propylene Rubber or Silicone Elastomer

Technical Information

Operating Characteristics in Compatible Fluids²

Maximum Differential Pressure	Operating Temperature
5.5 bard (80 psid) (forward)	50 °C (122 °F)
4.1 bard (60 psid) (forward)	80 °C (176 °F)
500 mbard (7 psid) (reverse)	20 °C (68 °F)

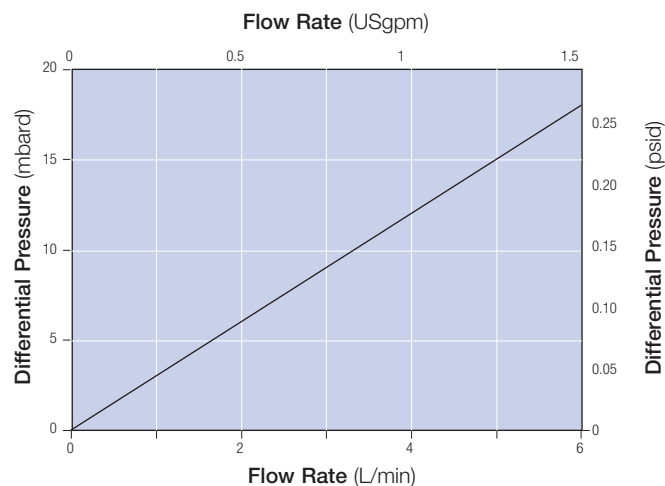
² Compatible fluids are defined as those which do not swell, soften or attack any of the filter components.

Sterilization and Sanitization

Media	Temperature	Cumulative Time ³
Steam	121 °C (250 °F)	25 hours
Hot Water	90 °C (194 °F)	50 hours
Peroxyacetic acid based sanitizer (300 ppm total peroxides)	20 °C (68 °F)	50 hours

³ Measured under laboratory test conditions. The actual cumulative time depends on the process conditions. Pall recommends the use of Code 7 adaptors to ensure filter sealing after cooling. Cartridges should be cooled to system operating temperature prior to use. Contact Pall for recommended procedures.

Typical Flow Rates⁴



⁴ Typical initial clean media ΔP 254 mm (10") cartridge for water at 20 °C (68 °F); viscosity 1 centipoise. For 508 mm, 762 mm and 1016 mm configurations divide the differential pressure by 2, 3, and 4 respectively.

Ordering Information

This is a guide to the Part Numbering structure only. For specific options, please consult Pall

Example Part Number: **AB1ST7WH4**

See bold reference codes in tables.

Element Part Number: **AB** **ST** **W**
Table 1 Table 2 Table 3

Table 1: Nominal Length

Code	Length
1	254 mm (10")
2	508 mm (20")
3	762 mm (30")
4	1016 mm (40")

Table 2: Adaptor

Code	Description
3	SOE – single open end with flat closed end and external 222 O-rings
7	SOE – single open end with fin end and 226 external O-rings and locking tabs
8	SOE – single open end with fin end and external 222 O-rings
28	SOE – single open end with fin end and external 222 O-rings and locking tabs

Table 3: O-ring Seal Material

Code	Description
H4	Silicone
J	Ethylene Propylene



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Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit www.pall.com to verify that this information remains valid.

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