VINOKLARIS

- Easy integrity testable
- Extended effective filtering area
- Repeatedly steamable in situ
- Sanitizable and regenerable
- Thermowelded construction
- EC-listed materials for Food contact
- FDA-listed materials per CFR21

VINOKLARIS pleated PES (Hydrophilic Polyethersulfone) membrane cartridges are specifically designed as sterilizing final filter for wine with interesting cost benefit ratio and great performance in cold microbiological stabilization.
The filter media is PES (Hydrophilic Polyethersulfone) membrane, pleated with upstream and downstream supports of polyester. The cartridges are steamable and sanitizer resistant and withstand regeneration cycles in hot water. Manufacturing is completed in a controlled environment; rigorous testing during the manufacturing process guarantee standards of high quality.

MATERIALS OF CONSTRUCTION

Filter media	Asymmetric PES membrane
Upstream supports	polyester
Downstream supports	polyester
Internal Core	polypropylene
External Cage	polypropylene
End caps / Adapters	polypropylene

FOOD-SAFETY

VINOKLARIS filter element materials meet (EU) regulation 10/2011 and its amendments, regulations (EC) 1935/2004 and 1895/2005.

QUALITY STANDARDS

Produced under a certified Quality System to guarantee traceability of manufacturing records and integrity testing results.

RECOMMENDED OPERATING CONDITIONS

- max. continuous temperature	65 °C
- max. cumulative time of steam sterilization	40 hours at 121 °C with cycles of 30 minutes
- sanitization with hot water	80 °C max
- sanitization with chemicals	can be sanitized by standard chemical agents
- max. differential pressure	5,0 bar at 25 °C
- recommended change out differential pressure	2,0 bar at 25 °C

CODE	ABSOLUTE FILTRATION RATING IN LIQUIDS	ACCEPTABLE LIMIT FOR PRESSURE HOLD TEST		TEST PRESSURE
		Nr. 1 30″ cartridge	Nr. 8 30″ cartridges	
AY	0,2 µm	0,07 bar	0,07 bar	2,4 bar
AL	0,45 µm	0,1 bar	0,1 bar	1,1 bar
AP	0,65 µm	0,1 bar	0,1 bar	0,9 bar
AS	0,80 µm	Not applicable		Not applicable
AZ	1,2 µm	Not applicable		Not applicable

*The values are related to 5 minutes and are indicative as they depend on volume of the housing upstream the filter element.

RECOMMENDED WINE FLOW RATE l/h 10" CARTRIDGE

Flow rates are indicative as they depend on the type of wine, sugar grade and prefiltration treatment used.

CODE	ΔP= 0,1bar
AY	400
AL	500
AP	500
AS	550
AZ	550

BACTERIAL RETENTION

VINOKLARIS cartridges are proven to retain microorganism reported in the table.

CODE	ABSOLUTE FILTRATION RATING micron	BACTERIAL RETENTION FOR 10" CARTRIDGE
AY	0,2	≥ 10^{10} Brevundimonas diminuta in liquid
AL	0,45	≥ 10^{10} Leuconostoc oenos in liquid
AP	0,65	≥ 10^{11} Saccharomyces cerevisiae in liquid
AS	0,8	≥ 10^{10} Saccharomyces cerevisiae in liquid
AZ	1,2	Not applicable

VINOKLARIS ORDERING INFORMATION

VCP - 207 1 - AY - WN SB - [ ]

DESCRIPTION	CODE
With PP end caps	**VCP**

ABSOLUTE FILTRATION RATING micron	CODE
0,2	**AY**
0,45	**AL**
0,65	**AP**
0,80	**AS**
1,20	**AZ**

CODE	GASKETS	
No code	Standard	Silicone
E	On request	EPDM

CODE	PACKING TYPE
SB	Single box
MB	Multiple box

END FITTING	CODE
SOE: open end with (2) O-Ring 2.222. Blind end with flat top.	**203**
SOE: open end with (2) O-Ring 2.226 and 2 bayonet locks. Blind end with fin.	**207**
SOE: open end with (2) O-Ring 2.222. Blind end with fin.	**208**
SOE: open end with (2) O-Ring 2.222 and 3 bayonet locks. Blind end with fin.	**212**

CODE	NOMINAL LENGTH
1	10"
2	20"
3	30"
4	40"

CODE	PRODUCT GRADE
WN	Quality Certification in the box.

DS-VCP-616-UK-15

The data are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.

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