

VINOKLEAR

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



VINOKLEAR filter element incorporates high effective filtering area which allows to achieve better filtration results; this design optimises flow rates and pressure drop giving longer service life to the filter element.

The filter media in PES membrane (Hydrophilic Polyethersulfone) pleated with upstream and downstream supports is steamable and sanitizer resistant and withstand regeneration cycles in hot water.

Manufacturing is performed in a controlled environment; each cartridge is integrity tested.

MATERIALS OF CONSTRUCTION

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

FOOD-SAFETY

VINOKLEAR filter elements 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.

OPERATING CONDITIONS

- max. continuous temperature	75 °C
- max. cumulative time of steam sterilization	≥100 hours at 121 °C with cycles of 30 minutes
- sanitization with hot water	90 °C max
- sanitization with chemicals	can be sanitized by standard chemical agents
- regeneability	3% NaOH solution at 85°C static contact
- 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	
AT	0,45 µm	≤ 0,12 bar	≤ 0,13 bar	1,1 bar
AQ	0,65 µm	≤ 0,14 bar	≤ 0,15 bar	0,8 bar
AN	0,80 µm	≤ 0,12 bar	≤ 0,13 bar	0,6 bar
AC	1,2 µm	≤ 0,12 bar	≤ 0,13 bar	0,5 bar

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

**RECOMMENDED WINE
FLOW RATE
l/h 10" CARTRIDGE**

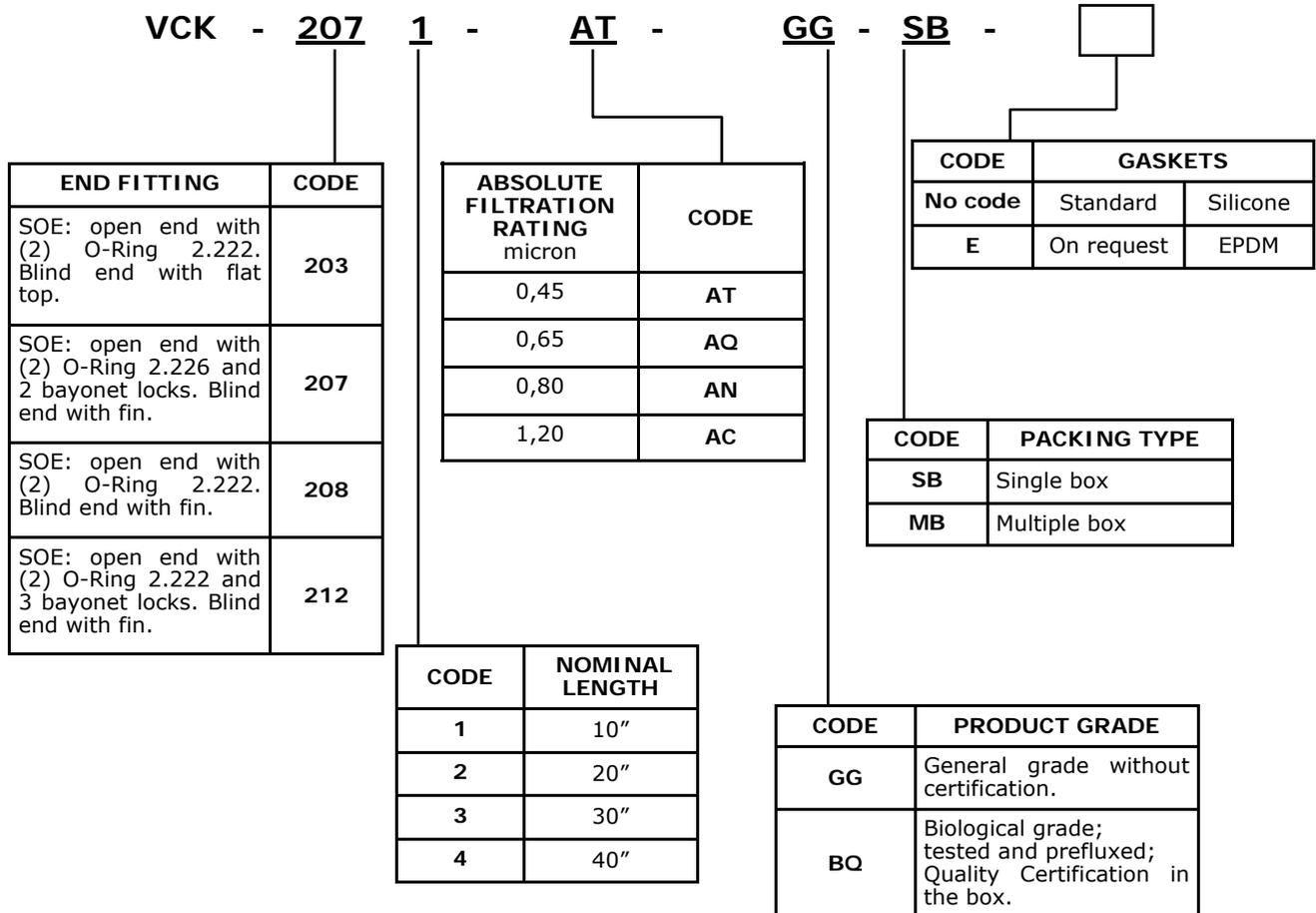
CODE	ΔP= 0,1bar
AT	500
AQ	500
AN	500
AC	500

BACTERIAL RETENTION

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

CODE	ABSOLUTE FILTRATION RATING micron	BACTERIAL RETENTION FOR 10" CARTRIDGE
AT	0,45	≥ 10 ¹⁰ Leuconostoc oenos
AQ	0,65	≥ 10 ¹² Saccharomyces cerevisiae
AN	0,8	≥ 10 ¹¹ Saccharomyces cerevisiae
AC	1,2	≥ 10 ¹¹ Saccharomyces cerevisiae

VINOKLEAR ORDERING INFORMATION



Data contained in this bulletin 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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