

# CLAROX® MP/W

## FILTER CARTRIDGES

Sterile filtration for wine and other beverages



- Absolute rated membrane filter cartridge for wine and beverage filtration. Obtained by pleating PES (hydrophilic polyethersulfone) layer membrane with upstream and downstream supports of polyester. Designed as sterilizing final filter for wine with interesting cost benefit ratio and great performance in cold microbiological stabilization.
- It is used as dead-end filter after sufficient pre-filtration with depth filter sheets, lenticular cartridges or pre-filter cartridges. Rigorous testing during the manufacturing process guarantee high quality standards.
- Integrity testable.
- Extended effective filtering area.
- Repeatedly steamable.
- Sanitation.
- Regenerable.
- Thermo welded construction.
- EC-listed materials for food contact.
- FDA-listed materials per CFR21.

### Materials of construction

Filter media	Asymmetric PES membrane
Upstream support	Polyester
Downstream support	Polyester
Internal core	Polypropylene
External cage	Polypropylene
Adapter and end caps	Polypropylene-polyester

### Operating conditions

Recommended change out differential pressure	2.0 bar at 20 °C
Max. differential pressure	5.0 bar at 20 °C
Regenerability	Max. 1% NaOH and active chlorine for food industry 200 ppm
Thermal sterilization	Water at 85 °C max.
Chemicals sterilization	By standards chemicals agents
Max. cumulative time of steam sterilization	40 hours at 120 °C with cycles of 30 min.
Max. continuous working temperature	65 °C

### Technical data

Description	CLAROX® MP/W 04 F3S	CLAROX® MP/W 06 F3S
Absolute filtration rating	0.45 micron	0.65 micron
BP Value	1.3 bar	1.1 bar
Diffusion flow	< 20 ml/min	< 20 ml/min
Titer reduction	1 X 10 E10 (Leuconostoc oenos)	1 X 10 E11 (Saccharomyces cer.)
Test pressure for pressure hold test	1.1 bar	0.9 bar
Test differential limits (per cartridge 30") *	≤ 92 mbar	≤ 115 mbar
Filter area per cartridge 10"	0.7 m <sup>2</sup>	0.7 m <sup>2</sup>
Performances per cartridge 10" (wine)	250–350 l/h	250–350 l/h

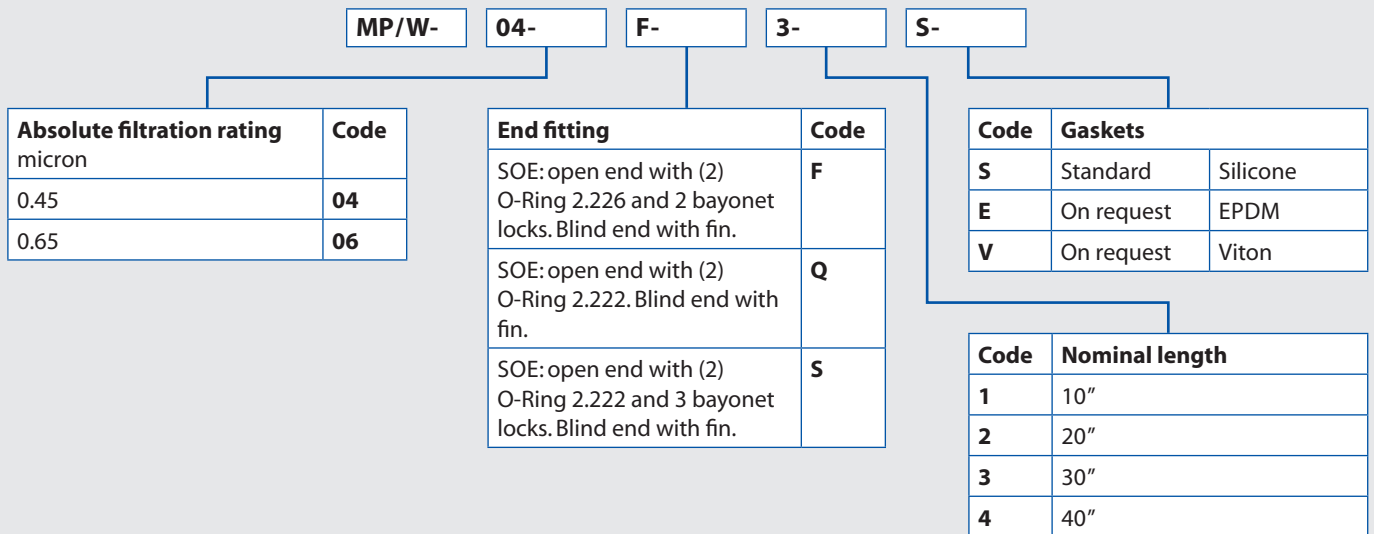
\* NOTE: The test values are related to 5 minutes test and are indicative as they depend on the housing volume upstream, eventually temperature change and stabilization phase.

## Micron range of CLAROX® MP/W



General data	
Application area	Final filtration of wine, juices, beverages, ideal as police filter prior to bottling.
Chemicals resistance, allowed products	Withstands acids and alkalis, pH 1 to 14, alcohols, solvents, weak oxidizing cleaning solutions.
Chemicals resistance, not allowed products	Not compatible with strong oxidizing agents, e.g. 98% sulfuric acid, fuming nitric and bromic acid; CHC and aromatic solvents – benzene, toluene.
Food safety	European directive 82/711/ECC, 85/572/ECC, 89/109/ECC, 93/8/ECC, 97/48/EC, 2001/61/EC, 2002/16/EC, 2002/72/EC and 2004/19/EC for food contact use and global migration.
Quality standards	Produced under a certified quality system to guarantee traceability of manufacturing records and integrity testing results.
Packing unit	One cartridge per box.

## CLAROX® MP/W ordering information



Your FILTROX dealer:

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.