



CLAROX®

PLEATED POLYPROPYLENE FILTER CARTRIDGES

Prefiltration for water, mineral water, wine, beer and other beverages



- Prefilter cartridges for a wide range of food and beverage applications.
- Pleated filter cartridges, made by pleating polypropylene layers with upstream and downstream supports of polyester or polypropylene.
- Available as absolute rated cartridges **CLAROX® PL** with an efficiency of 99.98 % (β -ratio 5000). The special design allows an exceptional chemical regeneration and an easier backwashing process.
- An economical alternative to the CLAROX® PL cartridge is the nominal rated cartridges **CLAROX® PL/E** with an efficiency of 99%.
- **CLAROX® PL/H** with a higher surface area for particle separation of solvent filtration with an efficiency of 99.9% (β -ratio 1000). Also available in 5" in approved and tested junior type design.
- **CLAROX® PL/G** is a specially designed polypropylene large surface filter cartridge with an external diameter of 160 mm for the filtration with large volume flows. Mainly used in the prefiltration of tap and mineral water. Special adapter system design.
- Repeatedly steamable.
- Sanitation.
- Regenerable.
- Thermo welded construction.
- EC-listed materials for food contact.
- FDA-listed materials per CFR21.

| Material of construction | CLAROX® PL, PL/E, PL/H | CLAROX® PL/G codes 05 and 10 | CLAROX® PL/G all other codes |
|-----------------------------|------------------------|------------------------------|------------------------------|
| Filter media | Polypropylene | Polypropylene/microfiber | Polypropylene |
| Upstream support | Polypropylene | Polyester/polypropylene | Polypropylene |
| Downstream support | Polypropylene | Polyester/polypropylene | Polypropylene |
| Internal core external core | Polypropylene | Polyethylene-HDPE | Polyethylene-HDPE |
| Outer cage | Polypropylene | Polyethylene-HDPE | Polyethylene-HDPE |
| Adapter and end caps | Polypropylene | Polypropylene | Polypropylene |

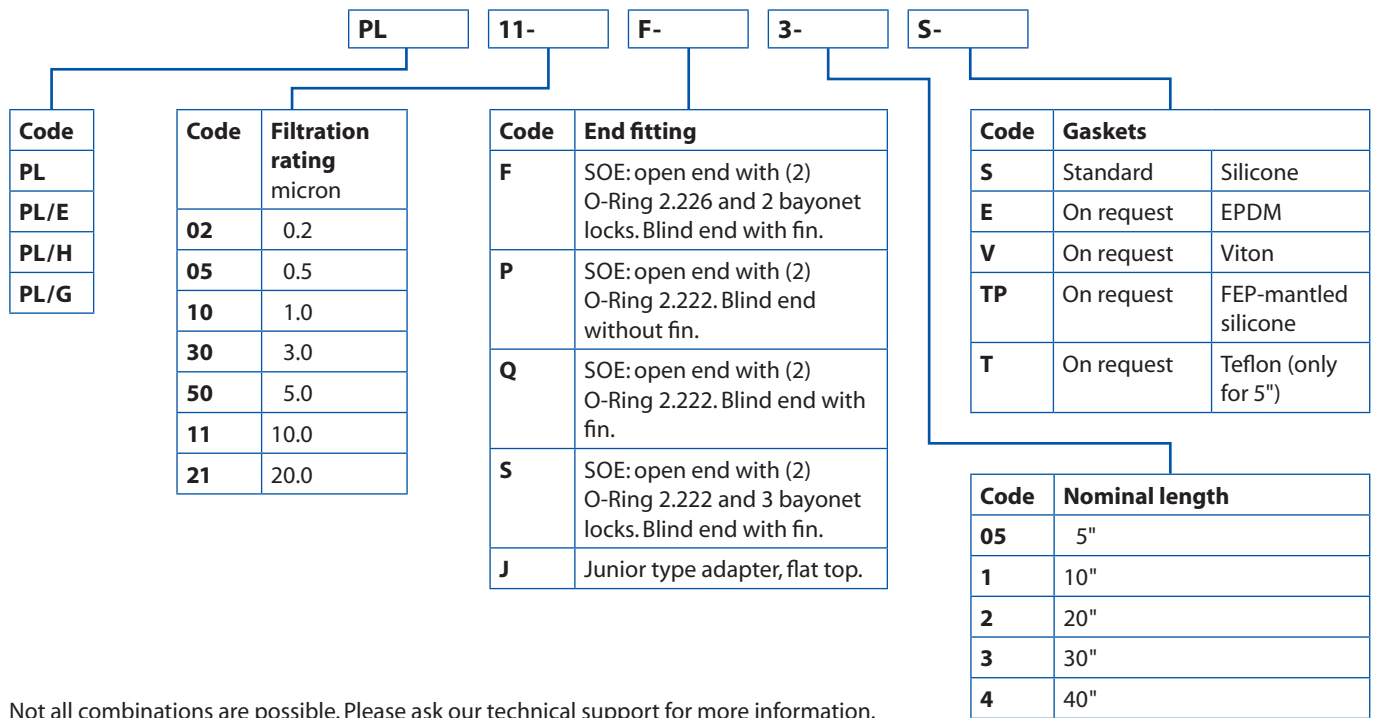
| Operating conditions | CLAROX® PL, PL/E, PL/H | CLAROX® PL/G |
|--|--------------------------------------|--------------------------------------|
| Recommended change out differential pressure | 2.0 bar | 2.0 bar |
| Maximum differential pressure | 5.0 bar at 25 °C (external-internal) | 3.5 bar at 25 °C (internal-external) |
| Maximum differential pressure back-flushing | 2.0 bar at 25 °C | n.a. |
| Maximum continuous operating temperature | 65 °C | 65 °C |
| Thermal sterilization | Water 90 °C | Water 90 °C |
| Chemical sterilization | By standard chemical agents | By standard chemical agents |

| Technical data | | | | |
|-------------------------------|--|--|---|--|
| Description | CLAROX® PL | CLAROX® PL/E | CLAROX® PL/H | CLAROX® PL/G |
| Available filtration rating* | 0.5/1.0/3.0/5.0/ 10.0/20.0 micron Absolute (β-ratio 5000) | 1.0/3.0/5.0/ 10.0/20.0 micron Nominal (β-ratio 200) | 0.2/1.0/3.0/5.0/ 10.0/20.0 micron Nominal (β-ratio 1000) | 0.5/1.0/3.0/5.0/ 10.0/20.0 micron Nominal (β-ratio ≈ 100) |
| Filter area per 10" cartridge | 0.35–0.8 m ² | 0.6–0.7 m ² | 0.6–0.7 m ² | 7.0 m ² per 40" |

* Other porosities on request

| General data | |
|---|---|
| Application area | Prefiltration of tap water, mineral water, wine, beer, juices and other applications. |
| Chemical resistance, allowed products | Withstands acids and alkalis, pH 1 to 14, alcohols, solvents and weak oxidizing cleaning solutions. |
| Chemical resistance, not allowed products | Not compatible with strong oxidizing agents, e.g. 98 % sulfuric acid, fuming nitric and bromic acid, CHC and aromatic solvents, e.g. benzene, toluene. |
| Food safety | European Directives EU regulation 10/2011 and its subsequent amendments and regulations (EC) 1935/2004 and 1895/2005. Polypropylene meets the requirements contained in FDA 21CFR section 177.1520. All CLAROX® PL cartridges meet the FDA requirements for food contact use, according to Code of Federal Regulation, title 21, paragraph 176.170. |
| Quality standards | Produced under the certified quality system to guarantee traceability of manufacturing records. |
| Packing unit | One cartridge per box. |

CLAROX® polypropylene filter cartridges ordering information



Not all combinations are possible. Please ask our technical support for more information.