

Clariflow® Wine

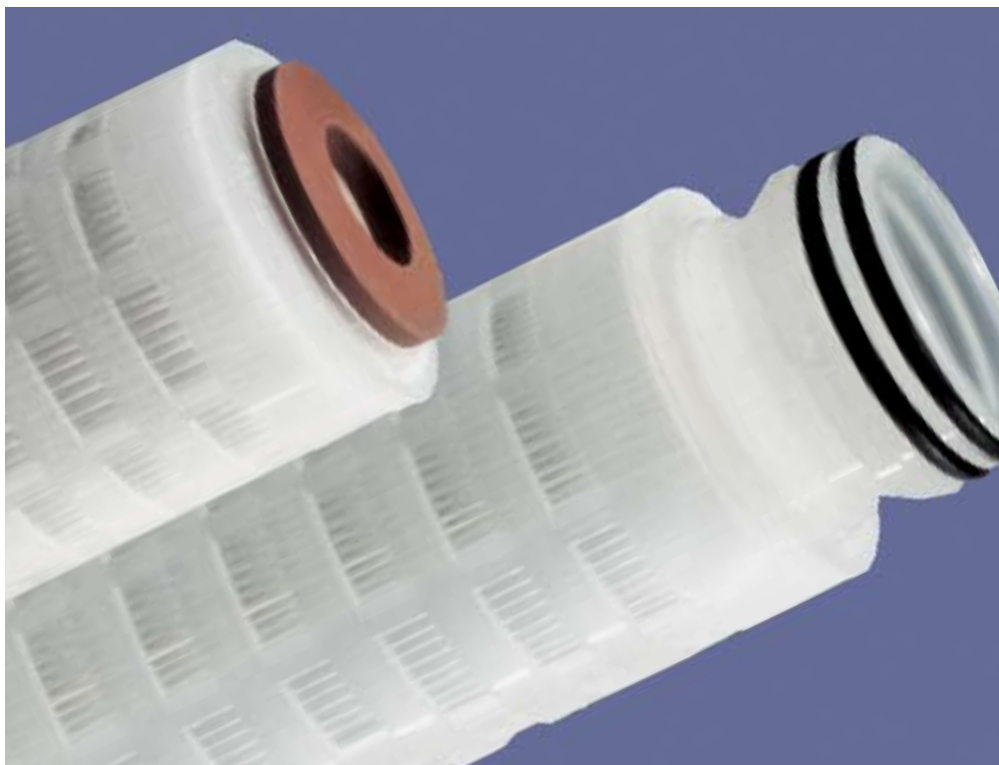
Membrane Filter Cartridges



Pleated polyethersulfone (PES) membrane for final filtration of wine and beverages

Extended life and absolute retention efficiency make the Clariflow® Wine product an ideal filter for the clarification of wine. Choosing either the 0.65 or 0.45 µm pore sizes for red and white wines, PES membrane offers superior flow, extended on-stream life and the consistent removal of micro-organisms and particulates.

Clariflow® Wine cartridges are inherently hydrophilic, and contain no added surfactants or wetting agents. The PES membrane also exhibits low colour-binding characteristics and ensures that the filter will not affect the taste of the wine being processed.



Applications:

Prefiltration / Clarification of:

- Wine
- Beer
- Spirits
- Mineral water

Product Features:

- Extended on-stream life minimises change-out frequency
- High retention efficiency of yeast and other wine spoilage organisms
- Steam sterilisable / sanitisable for cleaning and re-use
- Integrity testable to ensure complete reliability
- Biosafe in accordance with USP Class VI 121°C Plastics Test
- Each cartridge is manufactured in a certified clean room environment in accordance with a quality system consistent with the requirements of ISO 9001 certification and guidelines.

Clariflow® Wine

Specifications

Materials of Construction

Membrane: Polyethersulfone
 Membrane Support: Polypropylene
 Structural Components: Polypropylene

Dimensions

OD: 68mm
 ID: 26.9mm
 Surface Area: 0.5 m²

Recommended Operating Conditions

Max Temperature: 82°C @ 2.8 bar
 Max Pressure Forward: 5.5 bar @ 24°C
 2.8 bar @ 82°C
 Max Pressure Reverse: 3.4 bar @ 24°C

Bacteria Retention

0.65 µm cartridges have been tested to retain *S. Cerevisae* and *P. Damnosus* while 0.45 µm cartridges have been tested to retain *L. Oenii* and *L. Brevis* under conditions typical to those found in the beverage industry.

Cleaning and Sterilisation

Cartridges may be steamed or autoclaved for at least 50 one-hour cycles at 135°C. Cartridges may also be hot water and chemically sanitised in place using common sanitising agents.

Integrity Test

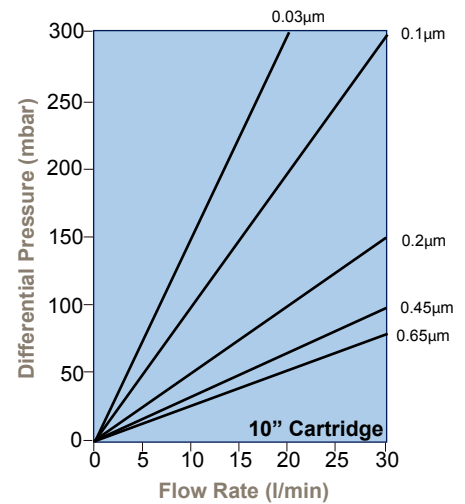
Bubble Point
 (60/40 IPA/Water at 25°C)
 0.45µm: > 1.4 bar
 0.65µm: > 1.1 bar

Divisional Flow Test Pressure
 (Flow < 20 ml/min)
 0.45µm: > 1.0 bar
 0.65µm: > 0.9 bar

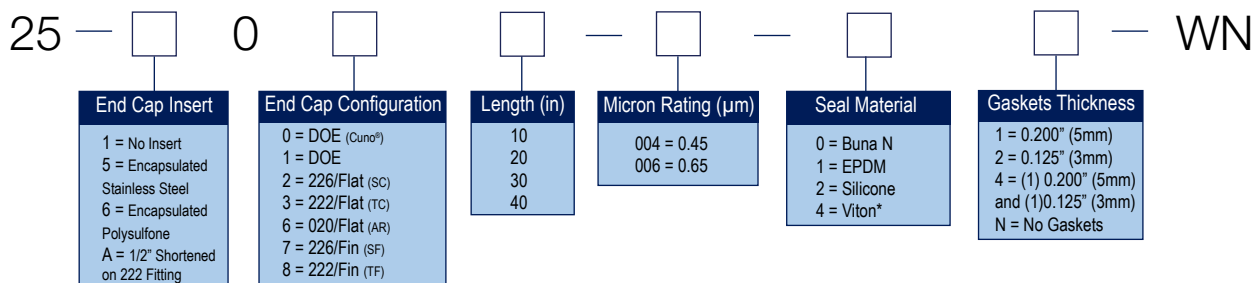
Flow Factor Table**

| Clariflow Wine | 0.45µm | 0.65µm |
|-------------------------------------|--------|--------|
| Flow factor (mbar / l/min @ 1cP) | 2.500 | 2.000 |

Flow rate vs. ΔP
 (1 cps liquid @ 23°C)



Ordering Information:



1 - O-Rings Only

* - Trademark of E.I. duPont de Nemours & Co.

** - Flow factor required for sizing. Refer to page 62 for further information



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Map and Directions to Prosep Filters Limited



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)