

**PRODUCT DESCRIPTION**

Donaldson PP-Q filters are designed as an economical pleated filter option for reducing particulate in a variety of applications. The nonwoven pleated polypropylene depth media offers increased dirt-holding capacity and high throughput, allowing for faster processing times and decreased downtime. Designed as an all-polypropylene construction using thermal bonding, the filters have excellent chemical stability and low extractable content.

PP-Q filters are produced from 10" to 40" long in 10" increments. Moreover, these filters are available in a variety of industry-standard end cap configurations to meet various housing designs.

**MAIN FEATURES & BENEFITS**

- Nominal filtration efficiency at the rated pore size
- 100% polypropylene construction leading to high chemical stability
- Up to 0.8 m<sup>2</sup> of surface area per 10" for high throughput
- Pleated nonwoven depth media for extended life
- Individually serialized for full product traceability
- Food contact compliant according to CFR Title 21 and EC No. 1935/2004

**INDUSTRIES**

- Dairies



- Food



- Beverage



- Industrial



- Pharmaceutical



- Chemical

APPLICATIONS

Typical applications for PP100-Q filters include:

Food and beverage purification:

- Bottled water
- Soft drinks
- Beer
- Wine
- Spirits
- Syrups

Industrial Filtration:

- RO prefilter
- Process water
- Waste and wastewater

Chemical filtration:

- Cosmetics
- Oils
- Lubricants
- Paints and dyes
- Jet printer inks

MATERIAL COMPLIANCE

All components of the PP-Q filter meet FDA food-contact requirements per 21 CFR 177:

| Filter Materials  |               | CFR Title |
|-------------------|---------------|-----------|
| Filter Media      | Polypropylene | 177.1520  |
| Support Layers    | Polypropylene | 177.1520  |
| Molded Components | Polypropylene | 177.1520  |
| O-Rings / Gaskets | Silicone      | 177.2600  |
|                   | EDPM          | 177.2600  |

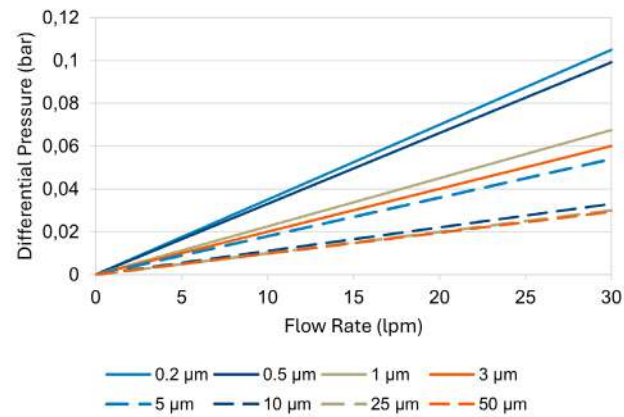
All components of the PP-Q filter are compliant with Regulation (EC) No 1935/2004 on materials and articles intended to come into contact with food.

All components of the PP-Q filter are compliant to USP Plastics Class VI period.

RESILIENCE DATA

|                                            |                                     |
|--------------------------------------------|-------------------------------------|
| Maximum Forward Flow Operating Conditions: | 4 bar ΔP @ 25°C (58 psid @ 77°F)    |
|                                            | 2.8 bar ΔP @ 60°C (40 psid @ 140°F) |
|                                            | 1 bar ΔP @ 80°C (14 psid @ 176°F)   |
| Maximum Reverse Flow Operating Conditions  | 1 bar ΔP @ 25°C (14 psid @ 77°F)    |
| Recommend Steam Sterilization Cycle        | 30 minutes at 121°C (250°F)         |
| Recommend Hot Water Sanitation Cycle       | 30 minutes at 80°C (176°F)          |

FLOW CHARACTERISTICS



Per 10 inch module using water as test fluid.



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