

# PURIFY

## 1 $\mu\text{m}$ Polypropylene Absolute Rated Depth Cartridge



### Technical Data

Dimensions: 10", 20" and 30" Double Open Ended

Max. Operating Conditions Temperature: 176°F (80°C)

Recommended change-out differential pressure:  $\leq$  36dpsi (2.5 Bar  $\Delta p$ )

### Flow Rates:

60 gph per 10" element when used in 3-cartridge ScottCart Aqua system

Up to 360 gph per 10" element when used by itself at ambient conditions

*All Purify cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.*

### Description

ScottCart Aqua Purify PP 1  $\mu\text{m}$  precision-graded density filter elements are high performance cartridges that excel in dirt holding capacity. They provide extremely low clean pressure losses as a result of the strictly controlled manufacturing of the fiber matrix.

Purify fibers are blown continuously onto a central support core, with fiber diameters controlled to produce different pore sizes throughout the extrusion process. All the layers are inter-linked to offer maximum support while ensuring that the high void volume is maintained, but with increasing fiber density towards the cartridge central core – therefore resulting in true depth filtration.

### Feature & Benefits

Purify filter cartridges are produced using an improved manufacturing process resulting in the following features:

- Absolute Rated Filter Media
- Unique melt blown polypropylene construction
- Consistent reliable performance
- One-piece high strength support core
- High void volume, resulting in low clean  $\Delta p$  and excellent dirt holding capacity
- Thermally bonded fiber matrix minimizes fiber migration
- One-piece construction
- Materials meet US FDA CFR Title 21
- Meets USP Class VI requirements
- Meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004

### Industries & Applications

- Food and Beverage
- Bottled water
- Water treatment
- Potable water, Pre/Post UV, Membrane protection

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