



# Proflow™ II-E Mini-Capsules

## Small-volume capsule for ultrapure microelectronics fluids and gases

The Proflow™ II-E mini-capsule uses a PTFE membrane along with high-purity polypropylene supports that provide an economical alternative to all-fluoropolymer cartridges. It provides a high degree of retention and cleanliness along with good flow and lifetime. This filter is ideally suited for ultrapure microelectronics fluids and gases. The hydrophobic PTFE membrane serves as a highly efficient barrier to insure low moisture content of gases.

Fast and easy change-outs are assured with the encapsulated design. Three sizes are available to match the application and minimize hold-up volume.



## Benefits

- Good liquid and gas flow rates
- PTFE/ PP construction for chemical resistance
- Fast and easy change-out
- Three capsule sizes
- 100% integrity tested

## Applications

- Wet etch and clean
  - Dilute acids
  - DI water (<80°C)
- Ultrapure electronics-grade gases
- Small-volume lab systems

**Parker Hannifin Corporation** provides our customers with unsurpassed product consistency and cost-efficiency.

Our experienced professionals can help you select the right solution for your application. For more information or to place an order, contact your local distributor.

**Parker Hannifin Corporation** designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Industrial and Chemical industries.

# Proflow™ II-E Mini-Capsules

## Specifications

### Materials of Construction

Membrane : PTFE  
 Support layers : Polypropylene  
 Structure : Polypropylene  
 Housing : Polypropylene

All components are thermally bonded to ensure integrity and minimize extractables.

### Effective Filtration Area

H = Half-size 1.1ft<sup>2</sup> (0.10m<sup>2</sup>) per 4.82" (122mm) capsule

S = Standard-size 2.2ft<sup>2</sup> (0.21m<sup>2</sup>) per 6.38" (162mm) capsule

D = Double-size 3.1ft<sup>2</sup> (0.29m<sup>2</sup>) per 7.92" (201mm) capsule

### Maximum Differential Pressure/ Temperature

Forward: 70psid (4.8bar) @ 75°F (24°C)  
 35psid (2.4bar) @ 140°F (60°C)  
 20psid (1.4bar) @ 167°F (75°C)

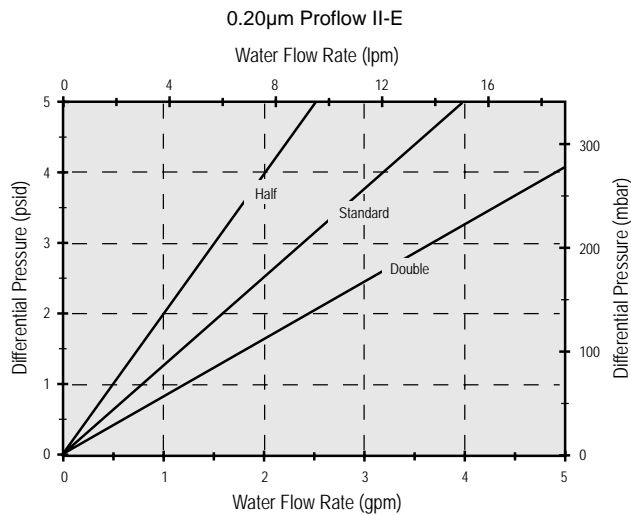
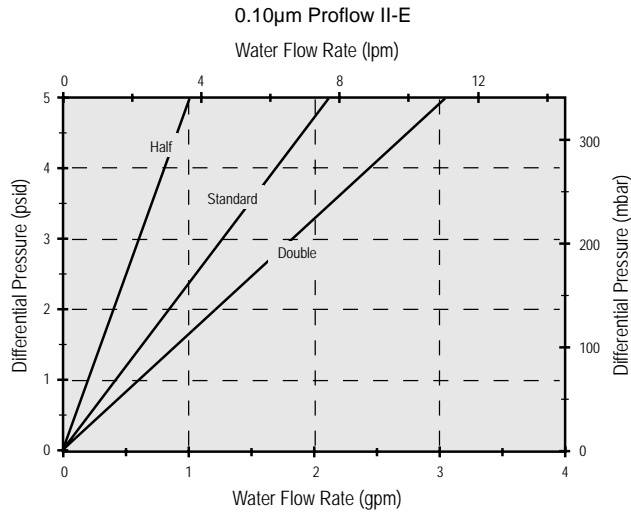
Reverse: 30psid (2.1bar) @ 75°F (24°C)

### Resistivity Rinse-up

The rinse-up volume required for double-size Proflow-E™ capsules to reach 18megohm-cm resistivity is approximately 12gal (45.4 liters).

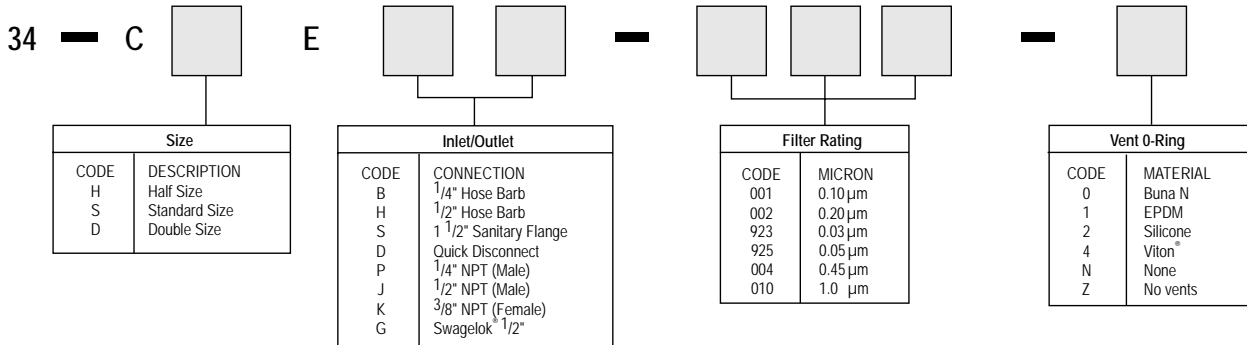
## Performance Attributes

### Water Flow Rates, Typical



## Ordering Information

Each cartridge is identified with a product number, pore size and lot number for traceability.



\* Select code for both Inlet and Outlet



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