



DESCRIPTION

Purolator's **BIO-PRO** Capsule-Clear 50G filter capsules (50 mm diameter) have been specially designed for simple, quick, and efficient filtration of gases and liquids. Eight different media options can be placed in an all-polypropylene shell construction for excellent chemical gas compatibility. The small, compact design of the filter capsule allows for superior air flow rate and low backpressure.

Ideal for vacuum pump protection from contamination. A hydrophobic 1 μm or smaller micron size should be used for the application. It can be used as a hydrophobic barrier to protect from viral and bacterial contamination.

PTFE 0.2 μm and PE 0.2 μm rated filters can be used in sterile vent applications with extremely low resistance.

FEATURES AND BENEFITS

- Available fitting connections include hose barb, NPT, and quick couplings.
- Effective filtration area of 2.5 in² (15.9 cm²).
- Capsules are manufactured from materials that conform to the requirements of 21CFR Part 177 of the U.S. Code of Federal Regulations.
- Nylon, PES, PTFE, Polypropylene, Polyethylene, and Glass Microfiber medias comply with the USP Class VI Biological Test for Plastics.

MATERIALS OF CONSTRUCTION

Membrane	Nylon, Nylon Screen, Polyethylene, PES, Polypropylene Membrane, Polypropylene Media, Glass Microfiber and PTFE
Membrane Supports	Polypropylene
Capsule Body	Polypropylene and Polyethylene

OPERATING CONDITIONS

Maximum Operating Temperature	140 °F (60 °C)
Maximum Operating Pressure (Gas)	100 psig (6.9 bar) 70 °F (20 °C)
Max. Bi-Directional Differential Pressure	43.5 psid (3 bar)

CAPSULE SELECTION GUIDE

