

Polycap HD

Polycap HD (Heavy Duty) is a well engineered product that offers high filtration efficiency and excellent filtrate purity due to the materials and methods used in the manufacturing process. Polycap HD provides an advantage in process applications as its performance characteristics fit between gross filters and microporous membrane filters used for final filtration.

Polycap HD high performance features

- Able to be sterilized by autoclaving with steam or ethylene oxide (EtO)
- Manufactured in clean room facilities under ISO Quality Systems
- Manual vent with Luer lock connector to bleed air from upstream or serve as an injection or sample port
- Materials of construction are FDA approved for food contact
- Polypropylene (PP) membrane and housing

Applications

- Cosmetics and personal care products
- Food and beverage
- Inks and pigments
- Water, chemical, and reagent purification

Sample Type

- Aqueous solutions
- Biologicals
- Buffers
- Enzymes
- Inks and pigments
- Photographic emulsions and make-up water
- Reagents
- Solvents

The PP construction enables the Polycap HD to be used with a broad range of solutions at various pH and temperature in areas including ink and pigment applications. The device is available in a variety of sizes and with a choice of pore size (0.2, 0.45, 1.0, 5.0 or 10.0 μm) which provides the flexibility to filter different sample volumes and to scale-up your project.

Please see the product selection guide on pages 14 to 15 for catalog numbers and the water flow rates on pages 16 to 17.



Polycap HD devices.

Related products

A range of disc filters is also available with a reduced filtration area for smaller sample volumes. Please contact whatmaninfo@ge.com for more information.

Technical specification

Housing:	Polypropylene
Vent:	On inlet
Filter media:	Polypropylene
Support system:	Polypropylene
Biosafety:	Materials pass USP Class VI
Filtration area:	36 mm capsule: 400 cm ² 75 mm capsule: 820 cm ² 150 mm capsule: 1650 cm ²
Sterilization:	These capsules are autoclavable at 121°C for 20 min (maximum temperature is 132°C)
Nonpyrogenic:	LAL tested, nonreactive
Maximum pressure:	4.1 bar (60 psi)