



JKP Series PTFE Filter Capsules

JKP Capsule filter assemblies are ready-to-use filters that offer high flows, increased throughputs, high strength, all with the convenience and cleanliness of a disposable and easy-to-install filter assembly in a small package. These capsules are designed for small pre-filtration, clarification, and final filtration, in sterile compounding applications. The filtration shell is an all-polypropylene construction that provides excellent chemical compatibility, truly flexible, clean, and optimal.

JKP Filter Capsule with Female Luer Lock Inlet Fitting and Male Luer Lock Outlet Fitting

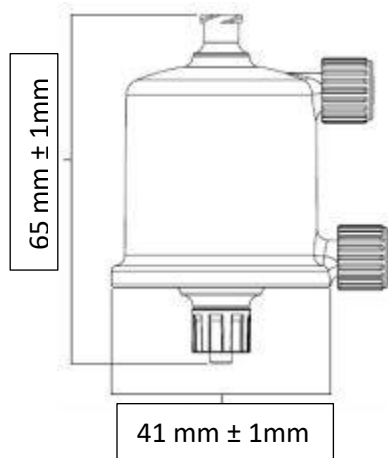


Technical Data Sheet

Popular Configuration:

Catalog Number	Effective Filtration Area	Inlet Connection	Outlet Connection	Sterilization Type
JKPF100FLM-ETO	260cm ² [40 in ²]	Female Luer Lock	Male Luer Lock	Ethylene Oxide Sterilization (ETO)





Materials of Construction

- Media: PTFE - Hydrophobic
- Media Supports: Polypropylene
- Cage, Core, End Caps: Polypropylene
- Valve O-Rings: Silicon (Standard)
- Sealing: Thermally Bonded

Micron Rating:

Final Media: 1.0 μm

Nominal Dimensions:

Lengths: 2.5" (65mm) with fittings

Diameter: 1.6" (41mm)

Effective Filtration Area:

260 cm^2 [40 in^2] for dual layer membrane

Volume Filtered:

5.0L – 12.6L [Alcohol or Aqueous Solution]

1.0L – 4L [Oil Base Solution]

Operating Conditions:

Maximum Forward Differential Pressure: Liquid: 5.5 bar (80psi) at 77°F/25°C

Gas: 4.1 bar (60psi) at 77°F/25°C

Minimum Burst Pressure: 8.3 bar (120psi) at 77°F/25°C

Maximum Forward Differential Pressure: 5 bar (72psi) at 68°F/20°C

Maximum Reverse Differential Pressure: 2.1 bar (30psi) at 68°F/20°C

Maximum Operating Temperature: 176°F/80°C



Filter Integrity:

The finished product was sampled and shown to exhibit a 60% isopropanol/40% water bubble point of 1.2 bar (17.4 psi) using air at 22°C.

USP Bacterial Endotoxins:

The filters were tested to confirm that an aqueous extraction of this product contains <0.25 EU/ml as determined by the Limulus Amebocyte Lysate (LAL) Test

Sterilization:

The filters can be autoclaved up to 25 cycles at 125°C (257°F) for 30 minutes

Warning: The filters cannot be sterilized by steam-in-place (SIP)

ISO 10993-5 Cytotoxicity:

Extract from this product is non-Cytotoxic

ASTM Hemolysis:

Extract from this product is non-Hemolytic

Shelf Life:

The JKP capsules have a shelf life of 3 years from the date of sterilization





Special Configuration:

Layer Option:

- Single Layer
- Dual Layer

Micron Rating Option:

- 0.1 Micron
- 0.2 Micron
- 0.45 Micron
- 1.0 Micron
- 3.0 Micron
- 5.0 Micron
- 10 Micron

Seal Option:

- EPDM
- Nitrile
- Viton

Inlet Fitting Option:

- 1H = 1/8" Hose Barb
- 1Q = 1/8" Male Quick Coupling
- 2H = 1/4" Hose Barb
- 2Q = 1/4" Male Quick Coupling for Metal latch
- 3H = 3/8" Hose Barb
- LF = Female Luer Lock
- MT = 1/2" Tri clamps

Outlet Fitting Option:

- 1H = 1/8" Hose Barb
- 1Q = 1/8" Male Quick Coupling
- 2H = 1/4" Hose Barb
- 2H-FB = 1/4" Hose Barb with Filling Bell
- 2H-FC = 1/4" Hose barbs with Filling Bell with Cap
- 2Q = 1/4" Male Quick Coupling for Metal latch
- 3H = 3/8" Hose Barb
- LM = Male Luer Lock
- MT = 1/2" Tri clamps

