

Mini Kleenpak™ capsules with Supor® EAV membrane



Advanced Filtration Technology for Bioburden Control

Supor Grade EAV Membrane Filtration Technology

Pall Mini Kleenpak capsules with Supor EAV membrane are high capacity, high flow rate filters ideally suitable for filter-sizing studies or the processing of small volumes of pharmaceutical GMP process streams.

Applications

- Bioburden control of chromatography and ultrafiltration buffers
- Prefiltration and/or bioburden control of biological or protein solutions
- Bioburden reduction prior to sterilizing filtration on aseptic filling lines

Benefit from using Mini Kleenpak capsules with Supor EAV membrane in your process

- ▶ Superior value An asymmetric, high capacity MachV polyethersulfone (PES) membrane ensures maximum flow and throughput performance for smaller, more cost-effective filtration systems.
- ▶ Economical scale-up For large production volumes, scale up from Mini Kleenpak capsules to high-area AB-style cartridges and Kleenpak Nova capsule filters. These formats feature a unique, Pall-patented Ultipleat® cartridge pleating construction coupled with a narrow core design for the highest flow rates and rapid fluid processing when effective time and cost control is paramount.
- Safety Validated for the retention of Brevundimonas diminuta (ATCC* 19146) with a typical titer reduction of 10° T_R (6 LRV), they assure safety in applications where an absolute sterility claim is not essential.

Filtration. Separation. Solution.sm

Specifications

Materials of Construction

Hydrophilic asymmetric PES
Polypropylene non-woven
Polypropylene
Polypropylene
Polycarbonate
Thermal bonding without adhesives

Operating Parameters(1)

3	
Maximum Operating Temperature	40 °C
Maximum Operating Pressure	4.1 bar (60 psi) at 38 °C

In compatible fluids which do not soften, swell or adversely affect the filter or its materials of construction

Sterilization(2)

Autoclave 'G' option	3 x 30 minutes at 135 °C
Gamma Irradiation 'G' option	Maximum of 50 kGy

Pre-sterilized Mini Kleenpak capsules must not be re-sterilized.

 Mini Kleenpak capsules must not be sterilized in-situ by passing steam under pressure

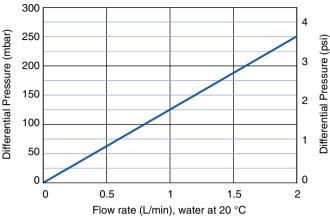
Typical Extractables in Water at 20 °C

< 2 mg per filter capsule

Nominal Dimensions

Maximum Diameter Including Valves	53 mm (2.1 in.)
Length - Code 2	105 mm (4.1 in.)
Length - Code 8	73 mm (2.9 in.)

Typical Liquid Flow vs. Differential Pressure



For liquids other than water, multiply differential pressure by fluid viscosity (cP).

Nominal Effective Filter Area (EFA)

260 cm² (0.28 ft²)

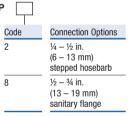
Removal Rating(3)

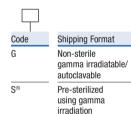
0.2 µm Nominal

Validated filter reduction of B. diminuta at 10° T_B (6 LRV), correlated to an integrity test value. Please contact Pall for further information.

Ordering Information(4)

Pall Part Number: KA02EAVP





- ⁽⁴⁾ 3 filters per box
- "S' option with Code 2 connection is provided with filling bell on outlet. It is removable for in-line use



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