HIGH FLOW TETPOR II Vent Autoclave filter cartridges are designed for critical applications where sterile air is required to break the vacuum formed by the condensation of steam inside the autoclave chamber.

At the heart of the HIGH FLOW TETPOR II Vent Autoclave filter cartridge is the latest inherently hydrophobic PTFE membrane. This absolute rated membrane will remove all particles down to 0.01 micron, thus removing airborne bacteria, viruses and bacteriophage.

The filter cartridges are manufactured using a heat sealed construction, thus eliminating the need for adhesives or resins in fabrication. The result is a product of exceptional strength and quality.

Features and Benefits

- Hydrophobic PTFE membrane
- Fully validated
- Detachable prefilter layer
- Exceptional strength
- Repeatedly autoclavable

Performance Characteristics

- Cartridge flow rates @ 0 barg
- Vacuum break time against autoclave volume
Specifications

Materials of Construction
Filtration Membrane: Polytetrafluoroethylene (PTFE)
Upstream Support: Polypropylene
Downstream Support: Polypropylene
Inner Support Core: Polypropylene
Outer Protection Cage: Polypropylene
Prefilter Sock: Polyurethane
End Caps: Polypropylene
Standard gaskets: EPDM

Food and Biological Safety
Materials conform to the relevant requirements of 21CFR Part 177, EC1935 / 2004 and current USP Plastics Class VI - 121 °C and ISO10993 equivalents.

Recommended Operating Conditions
The maximum differential pressure in direction of flow (outside to in) is 3.5 barg (50.76 psig) at 60 °C (140 °F).
The maximum recommended continuous operating temperature is 60 °C (140 °F).

Effective Filtration Area (EFA)
5" (125 mm) 0.3 m² (3.22 ft²)

Sterilization
HIGH FLOW TETPOR II Vent Autoclave filter cartridges can be repeatedly autoclaved up to 142 °C (287.6 °F) for a maximum of 100 cycles.
Note: Remove prefiltre layer before steaming.

Retention Characteristics
The HIGH FLOW TETPOR II Vent Autoclave range of cartridges has been fully validated by aerosol bacterial challenge levels of >10⁷ Brevundimonas diminuta per cm².
Independent test work also shows full retention to MS-2 Coliphage.

Integrity Test Data
All cartridges are integrity tested prior to despatch by the aerosol challenge test method using Parker domnick hunter’s VALAIQDATA II.

Ordering Information

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<tr>
<th>Code</th>
<th>Length (Nominal)</th>
<th>Endcap</th>
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<tbody>
<tr>
<td>B</td>
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<td>V</td>
</tr>
<tr>
<td>A</td>
<td>5.98&quot; (152 mm)</td>
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Supplied in packs of 3.

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it always tries to keep customers informed of any such changes. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a product’s suitability for specific applications. All products are sold subject to the company’s Standard Conditions of Sale.