



## HIGH FLOW TETPOR II Vent Autoclave Filter Cartridges

- air / gas filters
- polytetrafluoroethylene PTFE

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.

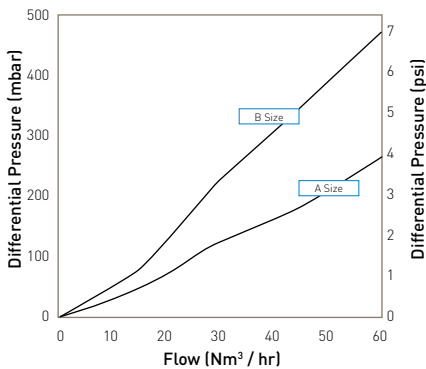
### Features and Benefits

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

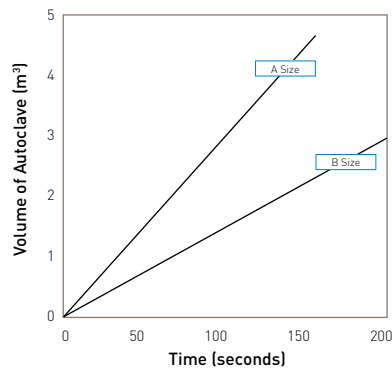


Note: TETPOR is a registered trademark of Parker domnick hunter

### 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 4.5 barg (65.26 psig) at 80 °C (176 °F).

The maximum recommended continuous operating temperature is 60 °C (140 °F).

### Effective Filtration Area (EFA)

5" (125 mm) 0.3 m<sup>2</sup> (3.22 ft<sup>2</sup>)

### Sterilisation

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 prefilter 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 >10<sup>7</sup> *Brevundimonas diminuta* per cm<sup>2</sup>. 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 VALAIRDATA II.

## Ordering Information

ZTA -  .01

Code	Length (Nominal)	Code	Endcap
B	3.46" [88 mm]	V	1/2" BSPP
A	5.98" [152 mm]	X	1/2" NPTM