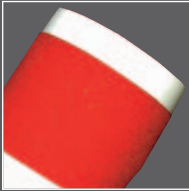
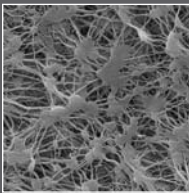


HIGH FLOW TETPOR II VENT AUTOCLAVE



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



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.

Technical 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 and current USP Plastics Class VI - 121°C and ISO10993 equivalents.

Effective Filtration Area

0.3 m² (3.2 ft²) per 5" module.

Retention Characteristics

The HIGH FLOW TETPOR II VENT AUTOCLAVE range of cartridges has been fully validated by aerosol bacterial challenge levels of 10¹² *Brevundimonas diminuta* per 10 inch module. Independent test work also shows full retention to *MS-2 Coliphage*. A full validation guide is available upon request.

Recommended Operating Conditions

The maximum differential pressure in direction of flow (outside to in) is 4.5 bar (65 psi) at 80°C (176°F). The maximum recommended continuous operating temperature is 60°C (140°F).

Sterilisation

HIGH FLOW TETPOR II VENT AUTOCLAVE filter cartridges can be repeatedly autoclaved at 142°C (288°F) for a maximum of 100 cycles.

Note: remove prefilter layer before steaming.

Integrity Test Data

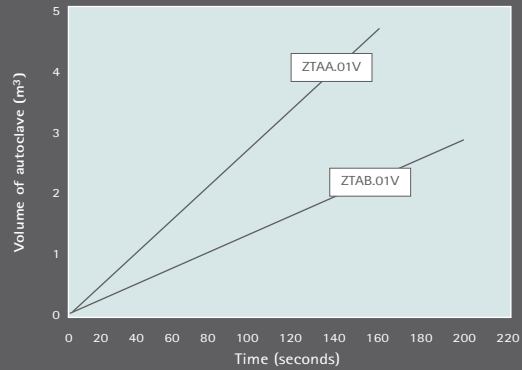
All cartridges are integrity tested prior to despatch by the aerosol challenge test method using domnick hunter's VALAI/RDATA II.

Pharmaceutical Validation

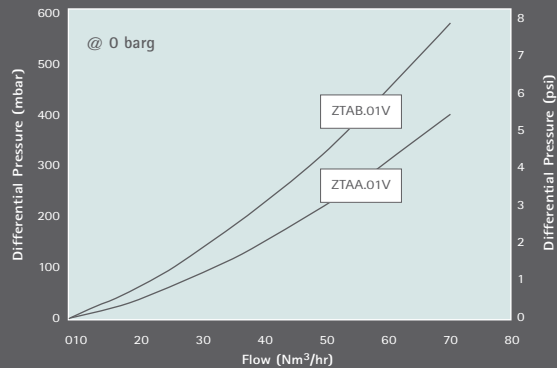
A full validation guide is available upon request with Lab Services Group (LSG) support for specific individual requirements.

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Vacuum Break Time Against Autoclave Volume



Cartridge Flow Rates



Cartridges

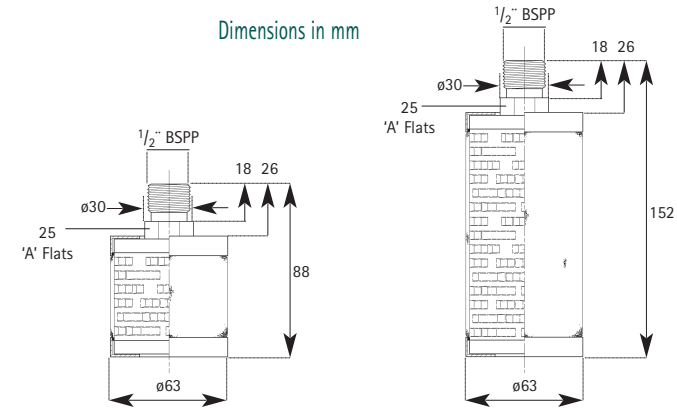
Code	Nominal Length (mm)	(inch)
B	88	3.46
A	152	5.98

Code	End Cap
V	1/2" BSPP
X	1/2" NPTM

ZTAB.01V

ZTAA.01V

Dimensions in mm



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