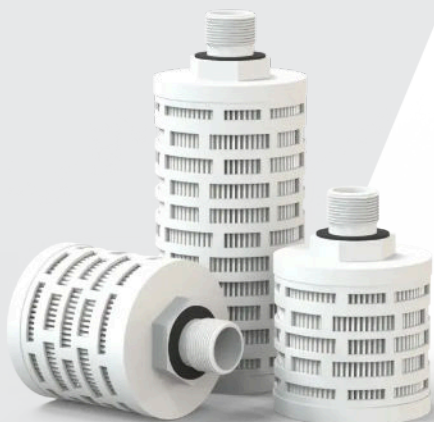




ZGP filter elements of the High Flow Bio-X Vent series feature a male threaded connection, allowing them to be mounted directly onto vessels or tanks for sterile venting and degassing applications.

This filter element combines the advantages of depth filtration with the large filtration area of a pleated filter element.

In combination with a void volume of 94%, this results in a high particle holding capacity. Due to the special design and the large filtration surface, flow rates are 2–3 times higher than those of conventional pleated PTFE membrane filter elements.

These characteristics result from the special manufacturing process:

By coating borosilicate microfibers with PTFE, the advantages described above are achieved.

Integrity

Each filter element is individually integrity tested prior to shipment using an aerosol test.

Validation

High Flow Bio-X filter elements are validated for sterile filtration of compressed air and gases.

Applications

- Venting and degassing of tanks
- Gas and air filtration

Traceability

Each filter element is marked with the product code and LOT number.

Food Contact Compliance

The materials comply with the relevant requirements of:

- 21 CFR Part 177
- EC 1935/2004
- USP Plastics Class VI – 121 °C and ISO 10993 equivalents

Validation

ZGPA / ZGPB filter elements are validated for sterile filtration of compressed air and gases.

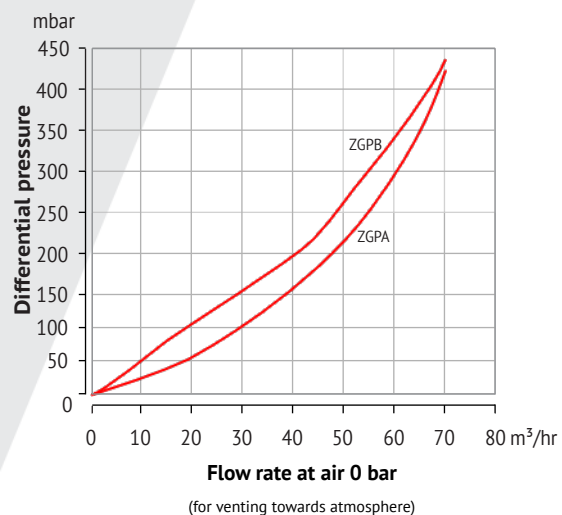
Fully validated for bacterial retention (*Brevundimonas diminuta*).

Steam Sterilization

Steam sterilizable up to 150 cycles at 142 °C.

TECHNICAL DATA

Filter medium:	PTFE Impregnated Glass Microfiber
Support:	Polypropylene
Cage:	Polypropylene
Core:	Polypropylene
End caps:	Polypropylene
Gaskets:	EPDM
Micron rating:	0,01 µm in gas
Surface area:	0,239 m ² - ZGPA 0,138 m ² - ZGPB
Working temperature:	Max. 70°C
Differential pressure:	<u>Max. 4,5 bar @ 70°C</u>



Order information

ZGP		.01	
Length		Connection	
B	88 mm	V	1/2" BSPP
A	152 mm	X	1/2" NPT

Order example: ZGPA.01V