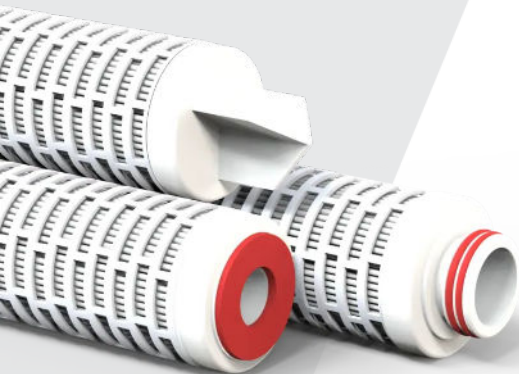




-> TO THE PRODUCT



The High Flow Bio-X filter elements combine the advantages of depth filtration with the large filtration surface area of a pleated filter element.

In combination with a void volume of 95%, this results in a high particle retention capacity. Due to the special design and the large filter surface area, flow rates are 2–3 times higher than those of conventional filter elements with pleated PTFE membranes.

This makes it possible to reduce housing sizes, while also reducing the number of filter elements required.

These properties result from the special manufacturing process: By coating the borosilicate microfibers with PTFE, the above-mentioned advantages of this filter element are achieved.

Integrity

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

Validation

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

Steam Sterilization

Steam sterilizable up to 150 times at 142 °C.

Areas of Application

- Tank venting and deaeration
- Gas and air filtration
- Traceability
- Each filter element is marked with the product code, LOT number, and a serial number.

Food Compliance

High Flow Bio-X filter elements are intended for indirect food contact and are manufactured from materials suitable for the sterilization of compressed gases in the food and beverage industry.

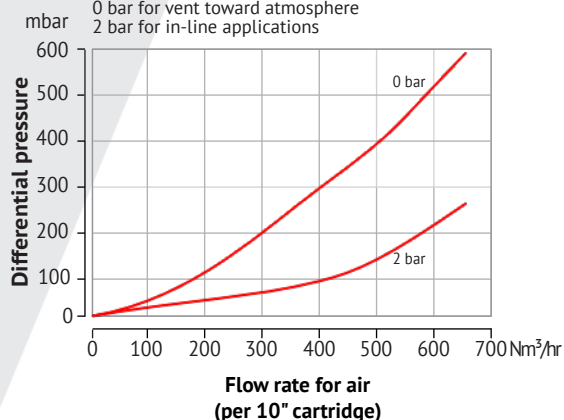
The materials comply with the relevant requirements of United States FDA 21 CFR Part 177 and USP Plastics Class VI – 121 °C.

TECHNICAL DATA

Filter medium:	PTFE Impregnated Borosilicate Microfibre
Support layer:	Polypropylene
Cage:	Polypropylene
Core:	stainless steel 316L
End caps:	Polypropylene with stainless steel (316L) insert
Gaskets:	Silicone
Micron rating:	0,01 µm in gas
Surface area:	0,38 m ² (per 10" cartridge)
Working temperature:	Max. 70°C
Differential pressure:	<u>Max. 3,5 bar @ 70°C</u>

Test parameters:
Air temperature 21°C

0 bar for vent toward atmosphere
2 bar for in-line applications



Order information

ZCHB -					
	Length		Adapter		Gasket
B	2,5"	Ø 56 mm	C	Code 7	For length 1 - 4 & K
A	5"	Ø 56 mm	C-S3	Code 2	
K	5"	Ø 70 mm	H	UF Retrofit	For all lengths
1	10"	Ø 70 mm	T	Truseal	For length A & B
2	20"	Ø 70 mm	Y	Demi MCY	
3	30"	Ø 70 mm	Z	Demi A & B Std	
4	40"	Ø 70 mm			
					Silicone
					EPDM
					Viton

Order example: ZCHB-1C