



# HIGH FLOW PREPOR GFA Filters

- air / gas filters
- glass microfibre

HIGH FLOW PREPOR GFA is a high capacity glass fibre prefilter specifically designed for the removal of bulk particulate from compressed air and gases.

It is used extensively for prefiltration duties in dry compressed air systems and provides excellent protection for final sterile filters.

HIGH FLOW PREPOR GFA utilizes pleated glass fibre filter media encased within an upstream and downstream expanded polypropylene mesh filter support. The pleat pack is supported by an inner stainless steel core and outer heat stabilized polypropylene cage, heat bonded to heat stabilized polypropylene end caps.

The combination of high voids volume filter media and pleated construction results in a filter cartridge with exceptional dirt holding capacity, able to operate at very low differential pressures.

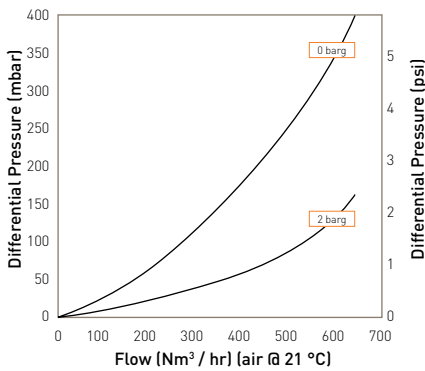
## Features and Benefits

- High surface area and voids volume filter media
- Exceptionally high flow rates with low pressure drops
- Reliable efficient protection of final sterilization filters
- Heat stabilized componentry to allow operation at elevated temperatures

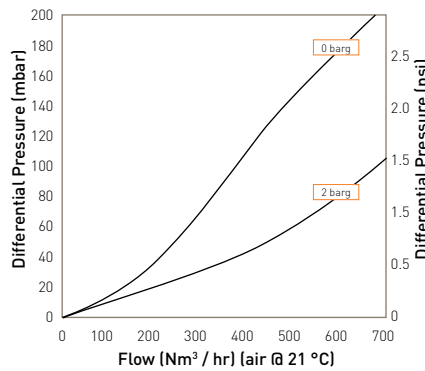


Note: PREPOR is a registered trademark of Parker Hannifin Corporation.

## Performance Characteristics



Cartridge flow rates  
10" Size (250 mm)



Cartridge flow rates  
20" Size (500 mm)

## Specifications

### Materials of Construction

- Filtration Media: Glass Microfibre
- Upstream Support: Polypropylene
- Downstream Support: Polypropylene
- Inner Support Core: 316L Stainless Steel
- Outer Protection Cage: Polypropylene
- End Caps: Polypropylene
- End Cap Insert: Stainless Steel
- Standard o-rings/gaskets: Silicone

### 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 20 °C (68 °F).

The maximum recommended continuous operating temperature is 70 °C (158 °F).

*Note: For temperatures from 70 °C (158 °F) to 100 °C (212 °F) a special product with polyester supports is available.*

### Effective Filtration Area (EFA)

10" (250 mm)      0.48 m<sup>2</sup> (5.16 ft<sup>2</sup>)

## Ordering Information

ZCHP  -   -

Code	Length (Nominal)	Code	Micron	Code	Endcap (10")	Code	O-rings
1	10" (250 mm)	1.0	1.0 µm	C	BF / 226 Bayonet	E	EPDM
2	20" (500 mm)			P	BIO-X Retrofit	S	Silicone
3	30" (750 mm)					V	Viton

Code	Variant*
S4*	High Temperature

\* Only available with Silicone o-rings.