



## 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.

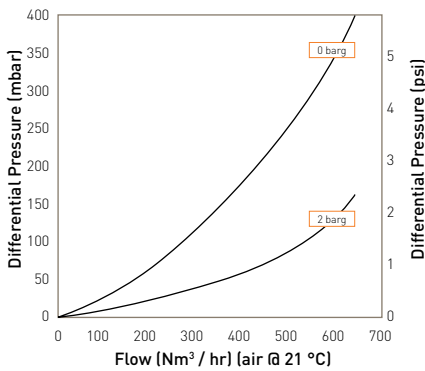
### Features and Benefits

- 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

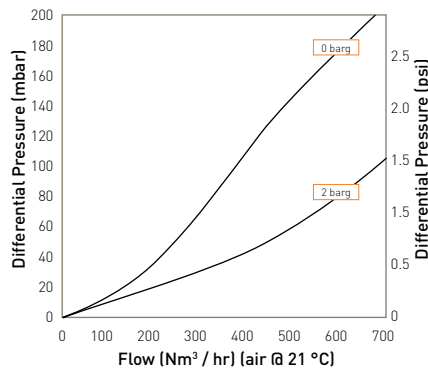


Note: PREPOR is a registered trademark of Parker Hannifin Corporation.

### 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.

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.

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**Map and Directions to Prosep Filters Limited**



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)