



BIO-X II Filter Cartridges

- air / gas filters
- borosilicate microfibre

BIO-X II air sterilization filter cartridges utilize a borosilicate microfibre media. This media has proven to be particularly effective in the removal of sub-micron particles as small as 0.01 micron, therefore ensuring the removal of all microorganisms, including bacteria and viruses.

The media is sandwiched between Nomex support materials to provide additional strength and prevent media migration. This is rigidly held between stainless steel support cylinders and finally encapsulated into stainless steel end caps. The result is a filter cartridge with the exceptional strength and efficiency necessary for absolute security in the most testing of applications.

BIO-X II filter cartridges are particularly suitable for the increasing number of high temperature applications. They also fulfil the sterile compressed air and gas requirements of the dairy, brewery and food processing industries.

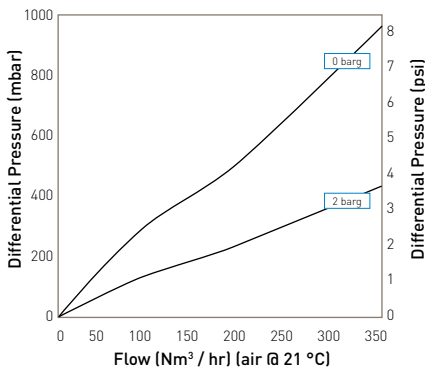
Features and Benefits

- Nomex support materials for high temperature operation
- Robust stainless steel construction
- High temperature operation 200 °C (392 °F)
- 100% integrity tested prior to despatch
- Unique serial number for full traceability
- Fully validated by aerosol bacterial challenge



Note: BIO-X is a registered trademark of Parker domnick hunter

Performance Characteristics



ME10AB7SRH Cartridge

Specifications

Materials of Construction

- Filtration Media: Borosilicate
Microfibre
- Upstream Support: Nomex*
- Downstream Support: Nomex*
- Inner Support Core: Stainless Steel
- Outer Protection Cage: Stainless Steel
- End Caps: Stainless Steel
- Encapsulant: Epoxy Resin
- Standard o-rings / gaskets: Silicone

*Nomex is a registered trademark of E.I. du Pont de Nemours and Co. Inc.

Sterilization

BIO-X II filter elements can withstand a maximum of 100 in-line sterilization cycles with purified saturated steam. In-line sterilization 142 °C (287.6 °F), 2.8 barg (40.7 psig) for 30 minutes.

Validation

The BIO-X II range of cartridges have been fully validated by bacterial challenge of aerosolized *Brevundimonas diminuta*.

Integrity Test Data

All cartridges are integrity tested prior to despatch by the aerosol challenge test method using the Parker domnick hunter VALAIRDATA II.

Recommended Operating Conditions

The maximum differential pressure is 700 mbar for economical element change.

Maximum Continuous Inlet Air Temperature

200 °C (392 °F) Intermittent
170 °C (388 °F) Continuous

Ordering Information

Cartridges

Element Code	Cartridge Length	Endcap Location
MER-BZ	2.5" (65 mm)	Demi A & B Std (Z)
MER-AZ	5" (125 mm)	Demi A & B Std (Z)
ME10-AB7SRH	10" (250 mm)	BS226 (C)
ME20-AB7-SRH	20" (500 mm)	BS226 (C)
ME30-AB7-SRH	30" (750 mm)	BS226 (C)

All BIO-X II cartridges are supplied as single units.

BIO-X II Retrofit Cartridge Part Numbers

Parker domnick hunter Cartridge	ME3/1	ME3/1.5	ME4/1.5	ME4/2.5	ME5/2.5	ME5/3	ME10/3	ME15/3	ME20/3	ME30/3	ME30/5	
	SRF3/1	SRF3/1.5	SRF4/1.5	SRF4/2.5	SRF5/2.5	SRF5/3	SRF10/3	SRF15/3	SRF20/3	SRF30/3	SRF30/5	
Parker domnick hunter Cartridge	MER2/10	MER3/10	MER4/20	MER5/20	MER5/25	MER7/25	MER7/30	MER10/30	MER15/30	MER20/30	MER30/30	MER30/50
	SRF02/10	SRF03/10	SRF04/20	SR05/20	SRF05/25	SRF07/25	SRF07/30	SRF10/30	SRF15/30	SRF20/30	SRF30/30	SRF30/50
Parker domnick hunter Cartridge	ME2/10	ME3/10	ME4/20	ME5/20	ME5/25	ME7/25	ME7/30	ME10/30	ME15/30	ME20/30	ME30/30	ME30/50
	P-SRF02/10	P-SRF03/10	P-SRF04/20	P-SRF05/20	P-SRF05/25	P-SRF07/25	P-SRF07/30	P-SRF10/30	P-SRF15/30	P-SRF20/30	P-SRF30/30	P-SRF30/50

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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](#)