



Medical

PALL BB22-15 Breathing System Filter for Multiple Applications



- Pleated hydrophobic membrane
- 100% retentive for liquidborne contamination
- Validated for removal of Hepatitis C Virus, HIV, *Mycobacterium tuberculosis* and *Staphylococcus aureus*
- Latex safety
- Compatible with nebulisation
- Versatile application
- Individually integrity and efficiency tested during manufacture



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Clinical and Technical Features

- Effective hydrophobic barrier:** The Pall pleated hydrophobic membrane provides effective protection against potential contamination by airborne and liquidborne microorganisms.¹⁻⁵ The Pall filter has been specifically validated to remove Hepatitis C virus¹, HIV², *Mycobacterium tuberculosis*³ and *Staphylococcus aureus*⁴.
 All Pall Breathing System Filters contain the proprietary Pall fine hydrophobic filter medium, which has been tested in manufacturing to show a water intrusion pressure (hydrophobicity) in excess of 50 cm water column.
 Routine use of the Pall BB22-15 at patient end will protect the interior of the breathing system from patient derived contamination, allowing extended use of the breathing system in conjunction with a hospital protocol that ensures hygienic and mechanical integrity of the system. Please refer to your breathing system manufacturer for information on whether the system being used has been validated for extended use.
- Latex Safety:** The Pall BB22-15 is free of natural rubber latex. It has been tested to retain natural rubber latex allergens in liquids and contained in airborne particles.^{6,7}
- Compatible with nebulisation:** Medications can be nebulised between the patient and the filter.
- Versatile:** Can be used as a Heat and Moisture Exchanging Filter (HMEF) or as a ventilator filter.

Pall Total Quality and Performance Guarantee

Each Pall BB22-15 Breathing System Filter is individually tested during manufacture for:

Filter Integrity: assuring housing and seal quality

Filtration Efficiency: using a non-destructive test, assuring membrane quality

Product Validation Certificate

That is batch and customer specific is provided that details testing and validation.

This is the customer's guarantee of 100% reliability, performance in use and assurance of protection of breathing systems and equipment, patients and staff.

Specifications

Specification	Performance
Filter material	Pleated hydrophobic membrane
Liquidborne bacterial /viral removal efficiency	100%
Airborne bacterial/viral removal efficiency	>99.999%
Resistance at 60 L/min	Approx 2.0 cm H ₂ O
Connections (ISO tapers)	Patient side 15 mm ID 22 mm OD Breathing system side 15 mm OD 22 mm ID
Construction	Transparent, non-conductive
Filter volume	Approx 90 mL
Weight	43 g
Recommended use	Patient end 24 h max Single patient use only Machine end 24 h max
Water loss	Approx 9 mg/L up to TV 800 mL

Ordering Information

Pall Breathing System Filter

Description	Reorder No.	Packaging
	BB22-15	50 units per case
with monitoring port	BB22-15M	50 units per case
with monitoring port	BB22-15MG	250 units per case
with flex tube	BB22-15F	50 units per case
with monitoring port and flex tube	BB22-15MF	50 units per case
with monitoring port and attached collapsible tube with double swivel non ported elbow	BB22-15MJ	50 units per case

(Add 'S' to reorder No to order sterile version)



References

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- Hedley RJ & Ait-Graham J. Anaesthesia 1992;47:414-20.
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