



Pall Ultipor™ 25



Breathing System Filter for Anaesthesia

- ▶ Pleated hydrophobic membrane
- ▶ Validated for removal of Hepatitis C virus, HIV, *Mycobacterium tuberculosis*, *Staphylococcus aureus* and abnormal prion proteins
- ▶ 100% retentive for liquid-borne contaminants
- ▶ Extended circuit life
- ▶ Individually integrity and efficiency tested
- ▶ Retains natural rubber latex allergens in solutions and in airborne particles
- ▶ Small volume
- ▶ Proven protection against cross-contamination
- ▶ Safe extended circuit life
- ▶ Cost reduction
- ▶ Protects against latex contamination

Features and Benefits

- ▶ **Effective microbial barrier:** The pleated hydrophobic membrane provides effective protection against airborne and liquid-borne micro-organisms. This assures protection against cross-contamination between patients in anaesthesia.^{1,2,3} The filter has been validated to retain *Mycobacterium tuberculosis*⁴, *Staphylococcus aureus*⁵, Hepatitis C virus² and HIV⁶ and infectious PrPSC proteins.⁷

Routine use of the Ultipor 25 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.

- ▶ **Additional humidification:** Patient water loss is minimised to a physiological level under conditions of semi-closed circle anaesthesia.⁸ In semi-open paediatric anaesthesia ventilation the Ultipor 25 increases instantly the humidity in the dry ventilation gases to a physiological level.⁹
- ▶ **Hydrophobicity and retention of contaminated secretions.**^{2,5,6,10} All Pall Breathing System Filters contain the proprietary Pall fine hydrophobic filter media, which has been tested in manufacturing to show a water intrusion pressure (hydrophobicity) in excess of 50 cm of water column.
- ▶ **Latex safety:** The Ultipor 25 is free of natural rubber latex. It retains natural rubber latex allergens in liquids and contained in airborne particles.^{11,12}
- ▶ **Low resistance:** Unique pleated hydrophobic membrane assures low air flow resistance throughout clinical use.
- ▶ **Small volume:** Due to its small dead space, the Ultipor 25 can be used for adult and paediatric patients in anaesthesia. Filter volume is 35 mL.

Pall Total Quality and Performance Guarantee

Each Pall Ultipor 25 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.

A Product Validation Certificate that is batch and customer specific can be 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.



Medical

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Technical Data

| | |
|--|---|
| Filter volume | 35 mL |
| Liquid-borne bacterial/viral and latex allergen removal efficiency | 100% |
| Airborne bacterial/viral removal efficiency | > 99.999% |
| Resistance at 30 L/min | Approx 1.5 cm H ₂ O |
| Resistance at 60 L/min | Approx 3.5 cm H ₂ O |
| Connections (ISO tapers) | Patient side 15 mm ID 22 mm OD Breathing system side 22 mm ID 15 mm OD |
| Weight | 26 g |
| Recommended use | Patient end use only 24 hours max – single patient use only |

Ordering Information

| Reorder Code | Description | Packaging |
|--------------|------------------------------|--------------------|
| BB25* | Pall Breathing System Filter | 50 units per case |
| BB25G* | Pall Breathing System Filter | 250 units per case |
| BB25F* | with flex tube | 50 units per case |

All Pall BB25 filters are equipped with a gas monitoring port.

More catheter mounts and connectors are available, please consult your Pall representative for details.

* To order sterile variants, add S to the reorder code.

References

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7. Capewell A. Scientific and Laboratory Services Report Pall Europe 2004.
8. Kendall K & Wilkins K. Scientific and Laboratory Services Report, Pall Europe 1996.
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