



Life Sciences

## PALL BB50T

### Breathing Circuit Filter



- Bacterial/viral filtration efficiency of greater than 99.999% protects patients, staff and equipment from contamination
- Hydrophobic membrane provides a barrier to water and nebulized medication droplets
- Removes ribavirin and pentamidine exhaust to protect staff and environment
- Protects machine transducer against water and medication damage



## Pall BB50T Breathing Circuit Filter

Filtration Protection for patient, staff, equipment and environment

### Features and Benefits

- **Effective hydrophobic barrier:** The Pall pleated hydrophobic membrane provides effective protection against potential contamination by airborne and liquidborne micro-organisms.<sup>1-5</sup> The Pall BB50T filter has been specifically validated to remove Hepatitis C virus<sup>1</sup>, HIV<sup>2</sup>, *Mycobacterium tuberculosis*<sup>3</sup> and *Staphylococcus aureus*.<sup>4</sup>
- 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.
- **Latex safety:** The Pall BB50T is free of natural rubber latex. Pall Breathing filters have been tested to retain natural rubber latex allergens in liquids and contained in airborne particles.<sup>6,7</sup>
- **Compatible with nebulisation:** Removes aerosolised ribavirin<sup>8,9</sup>, pentamidine<sup>10</sup>, histamine<sup>11</sup> and methacholine<sup>11</sup> exhaust droplets to protect staff and the environment from exposure to medications.
- Protects machine transducers against water and nebulised medication damage, minimising costly down time.

### Ordering Information

Description	Reorder No.	Packaging
Pall Breathing System Filter	BB50TE	50 units per case
Pall Breathing System Filter - Sterile	BB50TES	50 units per case
Pall Breathing System Filter - For use on oxygen concentrators	BB50TP	50 units per case

### Specifications

Specification	Performance
Filter material	Pleated hydrophobic membrane
Liquidborne bacteria/viral removal efficiency	100%
Airborne bacterial/viral removal efficiency	>99.999%
Resistance at 60 L/min	Approx 1.0 cm H <sub>2</sub> O
Connections (ISO tapers)	Patient side 22 mm OD Breathing system side 22 mm ID
Construction	Transparent, non-conductive
Filter volume	Approx 90 mL
Weight	Approx 39 g
Recommended use	Machine end 24 h max

### References

1. Lloyd G *et al.* *Anaesthesia and Intensive Care* 1997;25:235-8.
2. Lloyd G *et al.* *Centre for Applied Microbiology and Research*, 1997.
3. Speight S *et al.* *Centre for Applied Microbiology and Research*, 1995.
4. Rosales M *et al.* *2nd Int Conf on Prevention of Infection*, Nice, France, 4-5 May, 1992.
5. Hedley RJ & Allt-Graham J. *Anaesthesia* 1992;47:414-20.
6. Barbara J *et al.* *Anaesthesia* 2001;56:231-234.
7. Chen Z & Capewell A. *Scientific and Laboratory Services Report*. Pall Europe 2000.
8. Demers R. *Canadian Journal of Respiratory Therapy* 1991;27:9-14.
9. Matlock D *et al.* *American Industrial Hygiene Association Journal* 1991;52:428-432.
10. Demers R & Smaldone G. *Respiratory Care* 1991;36:1279.
11. Juniper E *et al.* *Canadian Thoracic Society* 1991.



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Printed in England. PMED/1M/MG/082002