




## Breathing Circuit Filter

When it comes to contamination in intensive care, caregivers pay plenty of attention to preventing contamination happened to patients especially for the therapy of intubation ventilation. Inhalation for patients whose airways are bypassed is the most essential so that inspired gases have to be pure and clean without the threat of micro-organisms.

Therefore, VADI Breathing Circuit Filters can minimize the possibility of virus and bacteria invading into patient, where cross-infection come. Served as exhalation filter in a heated exhalation system, VADI Breathing Circuit Filters can filter out virus and bacteria from expired air, reduce the cause of PEEP without water condensation, and prolong service life of it. In addition, flow sensor in outlet of ventilator is not easy to break down if the filter in heated exhalation system, which saves the cost of maintenance on ventilator. The filtrations of VADI Breathing Circuit Filters tested by Nelson Lab USA comply with requirements of common clinical practice for respiratory treatment.

## Specification

Item No.	800-51500	800-51600	800-52600
Specification			
Filtration	VEF: 99.999% BEF: 99.999%	VEF: 99.999% BEF: 99.999%	VEF: 99.97% BEF: 99.99%
Steam sterilization	121°C / 15PSI / 30mins.	Disposable	121°C / 15PSI / 30mins.
Material	Polysulfone	HIPS	Polysulfone
Tidal volume	40-2000ml		30-250ml
Resistance	~ 1.1 cmH <sub>2</sub> O @90LPM		~ 1.3 cmH <sub>2</sub> O @20LPM
Size	Diameter 8.9 cm; Length 14.9cm		Diameter – 6.3cm, height – 9.7cm
Capacity	Approx. 350 ml		Approx. 113ml
Leakage	Less than 0.05 L/min at 60 cmH <sub>2</sub> O internal pressure		

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