



# MicroGard® II Pulmonary Function Filter

The MicroGard II pulmonary function filter acts as an effective barrier for the protection of patients, staff and instrumentation from microbial contamination.

MicroGard II stands for patient and operator safety without compromising on system performance and clinical output.

**Key features:**

- 99,99% viral and bacterial efficiency
- Low resistance to airflow
- Minimal dead space 55ml
- Filter housing tested for biocompatibility
- 3 filter configuration versions, 2 package sizes
- Validated for compliance with the complete CareFusion Respiratory Diagnostics product line



## The MicroGard II filter series

- **MicroGard IIB** with integrated oval shaped mouthpiece suitable for adult and pediatric use.
- **MicroGard IIC** with round shaped connector for use with special lung function mouthpieces, ideal for gas dilution and bodyplethysmographic measurements.

After extensive testing at independent labs such as Nelson Laboratory and Health Protection Agency, the MicroGard II bacterial/viral filter confirms to offer the right balance between optimized filtration efficiency and minimal resistance (Delta P) to airflow. Based on strict CareFusion verification and validation processes, the MicroGard II does not affect equipment measurement characteristics while protecting patient, operator and equipment from cross-contamination. Therefore MicroGard II filters are the filters of choice for use with CareFusion JAEGER®, Vmax® and Micro Medical PFT instrumentation.

### Specifications:

- **Inspiratory resistance:** < 0.04 kPa/LPS at 1 L/sec (< 0.4 cmH<sub>2</sub>O/L/sec at 1 L/sec)
- **Expiratory resistance:** < 0.04 kPa/LPS at 1 L/sec (< 0.4 cmH<sub>2</sub>O/L/sec at 1 L/sec)
- **Filtering efficiency:**
  - %BFE (Bacterial Filtering Efficiency): > 99,99% (Nelson Labs testing, at 30L/min)
  - %VFE (Viral Filtering Efficiency): > 99,99% (Nelson Labs testing, at 30L/min)
  - %BFE & % VFE > 96% (Health Protection Agency test lab, at 750 L/min)

### Ordering information, P/N and description:

- V-892381: MicroGard IIB (single filter, integrated oval shaped mouthpiece) - Box of 50
- V-892382: MicroGard IIB - Box of 100
- V-892384: MicroGard IIC (single filter, round connector) - Box of 50
- V-892385: MicroGard IIC - Box of 100
- V-892391: Filter kit (MicroGard IIB + noseclip) - Box of 80
- V-892392: Filter kit (MicroGard IIC + disposable rubber mouthpiece + noseclip) - Box of 80
  
- V-861449: Silicon adapter, oval, for volume calibration using MicroGard IIB
- 852740: Silicon adapter, round, for volume calibration using MicroGard IIC
- 36-MFA1010: adapter MicroGard to Micro Medical spirometers, pack of 10
- 36-MFA1050: adapter MicroGard to Micro Medical spirometers, pack of 50

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Filter kit MG IIB  
(MicroGard IIB filter + noseclip)



Filter kit MG IIC  
(MicroGard IIC filter  
+ disposable rubber mouthpiece + noseclip)



Ideal for gas dilution testing  
and for poorly cooperating subjects

