



MicroGard™ II

Pulmonary function filter

MICROGARD™ II

 **vyairé**[™]
MEDICAL

MicroGard™ II pulmonary function filter

Our filters provide an easy way to help ensure protection from cross-contamination. The MicroGard™ II stands for patient and operator safety without compromising on system performance and clinical output.

Key Features

- 99.999% viral and bacterial efficiency against cross contamination
- Low resistance to airflow
- Minimal dead space (55 mL)
- Filter housing and filter fleece tested for biocompatibility
- 2 filters and 2 filter kits configuration versions
- Validated for compliance with the complete Vyair Respiratory Diagnostics product line
- For many of the Vyair products including all Vyntus™ PFT products, the use of the MicroGard™ II filter reduces the cleaning cycle requirements for parts behind the filter to twice a year.¹

MicroGard II filters are the filters of choice for use with Vyntus®, JAEGER® MasterScreen, Vmax®, and Micro Medical PFT instrumentation.



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 the MicroGard II bacterial/viral filter confirms to offer the right balance between optimized filtration efficiency and minimal resistance (Delta P) to airflow.² Based on strict Vyair verification and validation processes, the MicroGard II does not affect equipment measurement characteristics while protecting patient, operator and equipment from cross-contamination.

Ordering information		
Part no.	Description	Qty. (cs.)
V-892381	MicroGard™ IIB (single filter, integrated oval shaped mouthpiece)	50
V-892384	MicroGard™ IIC (single filter, round connector)	50
V-892391	Filter kit (MicroGard™ IIB + noseclip)	80
V-892392	Filter kit (MicroGard™ IIC + disposable mouthpiece + noseclip)	80
V-861449	Silicon adapter, oval, for volume calibration using MicroGard™ IIB	1
852740	Silicon adapter, round, for volume calibration using MicroGard™ IIC	1
36-MFA1010	Adapter MicroGard™ to Micro Medical spirometers	10

Product specifications

- Inspiratory resistance: < 0.04 kPa/(L/s) at 1 L/s (< 0.4 cmH₂O/(L/s) at 1 L/s)
- Expiratory resistance: < 0.04 kPa/(L/s) at 1 L/s (< 0.4 cmH₂O/(L/s) at 1 L/s)
- Filtering efficiency against cross contamination:
 - Bacterial > 99.999% (based on Nelson Test Report 10003754)
 - Viral > 99.999% (based on Nelson Test Report 10003754)



REFERENCES

1. Based on the Bio Burden DIN EN ISO 11737-1: Report 18AA0193
2. A. Sandall, "Virus Filtration Efficiency Test (VFE) at an Increased Challenge Level GLP Report", Nelson Laboratories, UT, Salt Lake City, Laboratory Number 530460, May 2010

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