



# MicroGard<sup>®</sup> II

Pulmonary function filter



## 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

- 99.9999% viral and bacterial efficiency against cross contamination.
- Low resistance to airflow.
- Minimal effective 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 Jaeger Respiratory Diagnostics product line.
- For many of the Jaeger 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.<sup>1</sup>



MicroGard® IIC round mouthpiece/connector

MicroGard® IIB integrated oval-shaped mouthpiece

MicroGard® II filters are the filters of choice for use with Jaeger 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 a special lung function mouthpiece, 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.<sup>2</sup> Based on strict Jaeger 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
V-892895	Nose clip, reusable	5
892121	Pad for Nose Clip, Single Patient Use	100
V-892894	Mouthpiece disposable ID 30 soft	180

## Product specifications

Bacterial & viral filtration efficiency against cross contamination:

- @low flows 30 LPM (Liters per minute)\*  
99,9999% bacterial  
99,9999% viral
- @high flows 750 LPM (Liters per minute)\*\*  
99,8484% bacterial  
99,6851% viral

\*Nelson laboratoy \*\* UK Safety laboratory

Airflow resistance

<150 Pa/(L/s)\*for the system MicroGard® II filter + Ultrasonic Sensor Vyntus USS


\*ATS Guidelines



## REFERENCES

1. Based on the Bio Burden DIN EN ISO 11737-1: Report 18AA0193
2. "Viral Filtration Efficiency (VFE) at an Increased Challenge Level GLP Report", Nelson Laboratories, UT, Salt Lake City, Study Numbers: 1722702-S01, 1638259-S01, 1487570-S01, 1412080-S01



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