

Why Choose MicroGard® II Filters?

Ensuring measurement reliability and patient safety

For the most accurate results and the highest level of protection, we strongly encourage the exclusive use of the MicroGard® II filter with Jaeger PFT systems.



1. Compliance

The MicroGard® II filter is **MDR compliant**, and the **only filter validated for use with Jaeger Medical PFT systems**.

If two medical devices are used together, a validation of their combined use is required.¹



2. Software Optimization

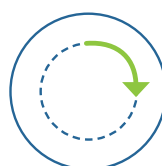
SentrySuite™ software incorporates several correction factors tailored to MicroGard® II filter:

- Dead space correction for accurate lung volume determination.
- Resistance correction for precise airway resistance measurement in Bodyplethysmography & IOS.
- BTPS correction to minimize measurement drift.



3. System Integrity

The Vyntus™ **Ultrasonic Sensor (USS)** and MicroGard® II filter form a **single validated measurement chain**.



4. Reprocessing Efficiency

With MicroGard® II, downstream components only require **reprocessing every 6 months**,² reducing workload and costs. Other filters invalidate this extended reprocessing interval.



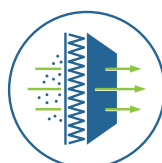
5. Optimal Performance

Balanced **filter efficiency** and **flow resistance** for smooth operation.



6. Low Resistance - Compliant to ATS criteria

Complete breathing circuit (**Filter + USS + FlowPath valve**) has total resistance **<150 Pa/(L/s) @ 14 L/s**, meeting ATS standards.³



7. High Filtration Efficiency

Proven **99.9999% bacterial and viral efficiency** at **30 L/min flow**, protecting against cross-contamination.^{4,5}

All Made in Germany. All Proven for Your Safety.

REFERENCES

¹ MDR Annex I, Section 14.1


² Based on the Bio Burden DIN EN ISO 11737-1: Report 18AA0193

³ ATS Standardization of Spirometry [ATS 2005, p. 332]

⁴ "Bacterial Filtration Efficiency (BFE) at an Increased Challenge Level GLP Report", Nelson Laboratories, UT, Salt Lake City, Study Numbers: 1722703-S01, 1638260-S01, 1487569-S01, 1412078-S01

⁵ "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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