

Vyntus™ BODY

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Body Plethysmography -
Designed to be different

 J A E G E R™

Vyntus™ BODY key features

Stable hand grip.



Equally spread magnets for a tight closure of the door.



Optional integrated aerosol provocation system.



Ultrasonic sensor for high accuracy.



Flexible 3D arm.



Optional height adjustable cart.



Spacious cabin with 1110 L.



Low entry step of only 7 cm.



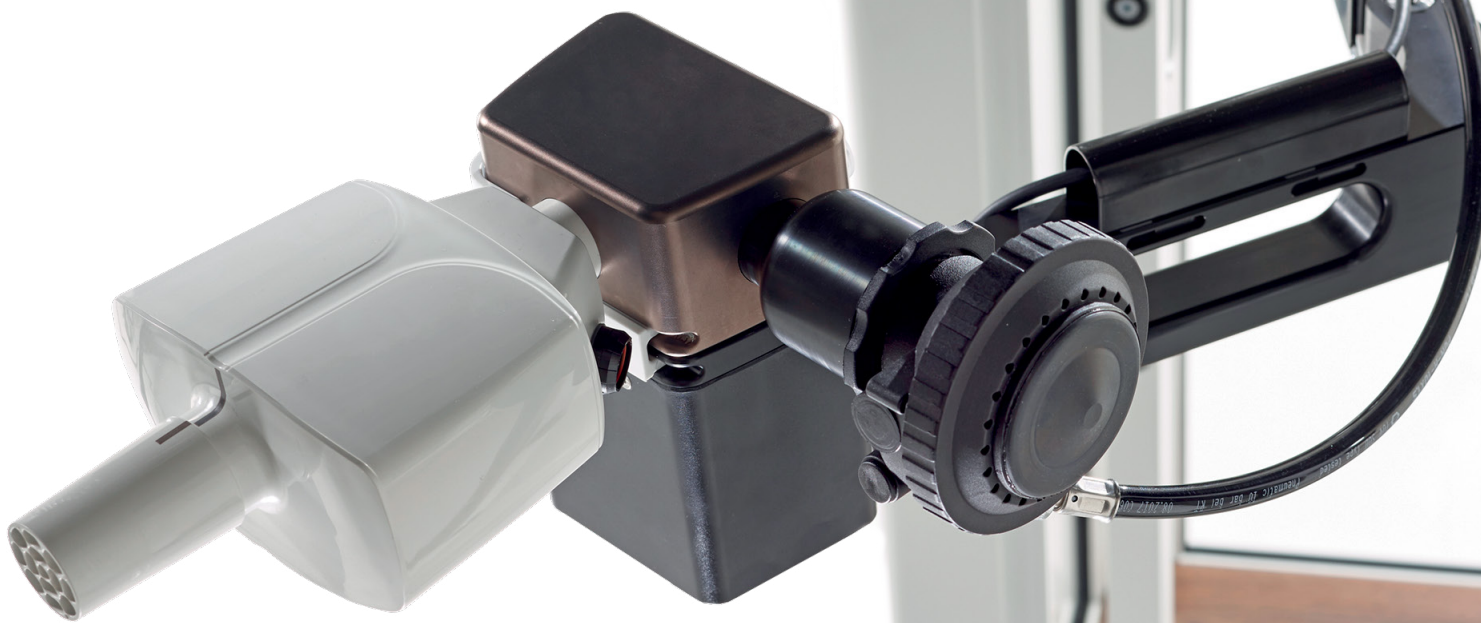
Bench - for up to 250 kg.



Flexibility that makes Vyntus™ BODY different

The flexible 3D arm of the Vyntus™ BODY:

- Can be extended outside of the cabin up to a reach of 63 cm.
- Patients in a wheelchair can be measured easily and comfortably outside the cabin.
- Adjustable in both height and position to accommodate patients' needs.



Performing excellence in pulmonary function testing

Measurement testing capabilities

(Specific) Airway Resistance	sReff, sRtot, sR0.5, sRmid as well as Reff, Rtot, R0.5, Rmid and others
Static Lung Volumes	Absolute lung volumes: TLC, FRCpleth, RV, RV/TLC and others Static Lung Volumes: VC MAX, IC, ERV and others
Dynamic Lung Volumes	FVC, FEV1, FEV1/FVC, MFEF 25-75, FEF 75, PEF and others

All-in-one cabin options

SB Diffusion	Real time with determination of DLCO, KCO, VA, TLC, FRC, RV and others. Intra-breath without breathhold and trapped gas evaluation
MIP/MEP	Maximum inspiratory and expiratory pressures
SNIP	Sniff nasal inspiratory pressure
P0.1	Occlusion pressure at 100 milliseconds
Rocc	Airway resistance measurement according to the shutter pressure method
Rhinomanometry	Measurement of the nasal flows and resistances
Compliance	Measurement of the dynamic and/or static compliance from the esophagus pressure-volume curve
Bronchial Challenge Testing	Vyntus™ APS - for automated, software controlled, safe and accurate bronchial provocation testing



Every facet of the Vyntus™ BODY's breathing circuit is engineered to provide accurate measurements in the most comfortable environment possible

Ultrasonic sensor

Double Shot Technology measures twice the number of signals across the flow path providing enhanced data resolution and precision.

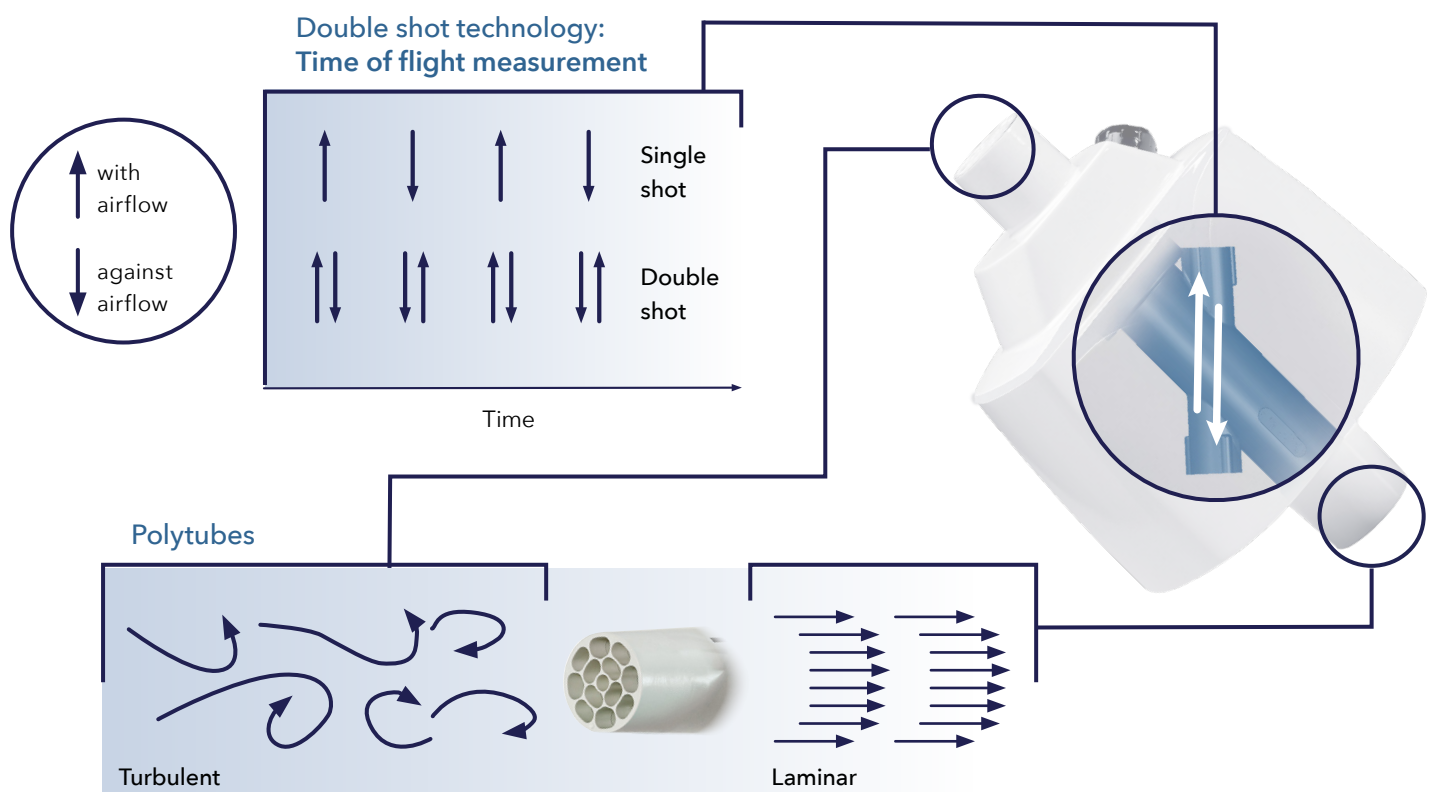
Dynamic Flow Correction: during the flow measurement, the gas temperature is measured for each breath performed, allowing **immediate online BTPS correction** for the test performed.

Polytubes on both side of the transducer create a **laminar flow for greater accuracy**.

Calibration-free: **stay focused on your patients**.

Waterproof: **makes hygiene routines efficient and easy**. There is no need to disassemble and reassemble the sensor for the cleaning process.

Patient centricity: the design of the ultrasonic transducer creates minimal resistance ensuring **greater comfort for the patient** during the test.



Flowpath valve

Simple, maintenance free, magnetically-controlled rotary shutter is **highly responsive to patient effort**. This means an **easier and noise reduced testing experience** as well as testing it right the first time.



Mitigate cross-contamination!

The MicroGard® II filter:

- Reprocessing cycle for downstreamed parts can be reduced to twice a year using the MicroGard® filter.¹
- Protects your patients, staff, environment and instruments from viral and bacterial contamination.¹
- Follows the highest safety standards according to Nelson Laboratories.²
- Has an exceptionally low resistance to air flow.
- Measurement results are not influenced.
- Is the only validated filter for the Vyntus™ BODY.

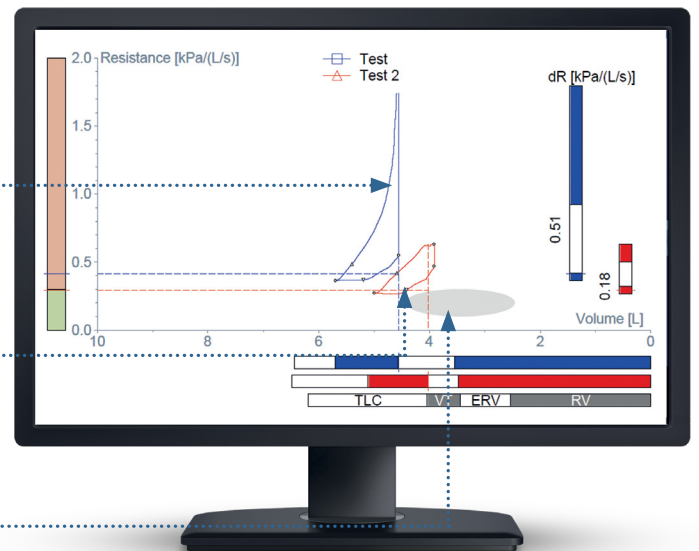
Efficient and optimized post-test decision making - visual representation of the combined resistance and volume components of the patient's condition

The Resistance-Volume-Chart combines airways resistance and lung volume results in a single breath with no changes in the testing procedure:

Easily analyze the shape of the entire breathing cycle

Quick recognition of pre-post benefit of the therapy

Predicted area for quick orientation



Aid in diagnosis - Help improve clinical outcomes while saving valuable time

The Vyntus™ BODY is controlled by the powerful and user-friendly SentrySuite™ software package. In less than two minutes, any operator can smoothly perform a workflow, including airways resistance, lung volumes, subdivisions and forced spirometry.

Guidance and coaching



- Graphical and textual guidance for improved patient instruction and control
- Choice of 10 incentives for children and non-cooperative patients

Quality control



- Follows ATS/ERS standards and recommendations
- Quality tab for fast and extensive error detection

Results review



- Highly versatile report program for parameters, graphs and comments
- Features like Z-score calculation, classification bars and interpretation schemes, based on reference values of numerous authors

ATS/ERS guideline implementation - Your base for high quality results



✓ ERS/ATS 2019
spirometry guidelines³



✓ ERS/ATS 2017
diffusion guidelines⁴



✓ ATS standardized PFT
reports⁵

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

³ Graham B, Steenbruggen I, Miller M, et al. Standardization of spirometry 2019 update. An official american thoracic society and european respiratory society technical statement. Am J Respir Crit Care Med. 2019; 200:e70-e88.

⁴ Graham BL, Brusasco V, Burgos F, et al. 2017 ERS/ATS standards for single-breath carbon monoxide uptake in the lung. Eur Respir J 2017; 49: 1600016.

⁵ Culver BH, Graham BL, Coates AL, Wanger J, Berry CE, Clarke PK, et al.; ATS Committee on Proficiency Standards for Pulmonary Function Laboratories. Recommendations for a standardized pulmonary function report: an Official American Thoracic Society technical statement. Am J Respir Crit Care Med 2017;196: 1463-1472. Culver et al., 2017.



Vyntus™, SentrySuite™

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