Vyntus® BODY
body plethysmography – designed to be different
Key Features

- Equally spread magnets for a tight closure of the door
- Stable hand grip
- Spacious cabin with 1110 L
- Low entry step of only 7 cm
- Optional integrated aerosol provocation system
- Ultrasonic sensor for high accuracy
- Flexible 3D arm
- Flexible chair – for up to 150 kg
  Optional bench – for up to 250 kg
Flexibility that makes the Vyntus BODY different

The flexible 3D arm of the Vyntus BODY:

• Can be extended outside of the cabin up to an impressive reach of 63 cm
• Patients in a wheelchair can be measured easily and comfortably outside the cabin
• Is adjustable in height and position and perfectly adapts to your patients needs
Performing excellence in pulmonary function testing

Measurement Testing Capabilities

<table>
<thead>
<tr>
<th>(Specific) Airway Resistance</th>
<th>sReff, sRtot, sR0.5, sRmid as well as Reff, Rtot, R0.5, Rmid and others</th>
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</thead>
<tbody>
<tr>
<td>Static lung volumes</td>
<td>Absolute lung volumes: TLC, FRCpleth, RV, RV/TLC and others</td>
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<td>Static Lung Volumes: VC MAX, IC, ERV and others</td>
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<tr>
<td>Dynamic Lung Volumes</td>
<td>FVC, FEV1, FEV1/FVC, MEF 25-75, FEF 75, PEF and others</td>
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All-in-one cabin options:

| SB Diffusion                  | Realtime 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                        |
| P0.1                         | Easily measured respiratory drive of tidal breathing                |
| Rocc                         | Single occlusion resistance measurement                              |
| Bronchial Challenge Testing  | Vyntus APS – for automated, software controlled, safe and accurate bronchial provocation testing |
We reengineered every facet of Vyntus BODY’s breathing circuit, to achieve **significant improvements** in patient’s comfort and accuracy.

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

Dynamic Flow Correction: already during the flow measurement we are measuring the gas temperature of each breath. With this information an online BTPS correction is carried out leading to a higher **accuracy** and minimizing any **drifts**.

**Polytubes** on both sides of the ultrasonic sensor for flow conditioning making the air **laminar**.

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

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

Patient centricity: No meshes or orifices mean a low resistance and very comfortable breathing feeling for the patient.

**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.
Stop Cross-Contamination!

The MicroGard® II filter:

- Reprocessing cycle for downstreamed parts can be **reduced to three months** using the MicroGard filter*

- **Protects** your patients, staff, environment and instruments from **viral and bacterial contamination**

- Follows the highest safety standards

- Has an **exceptionally low resistance** to air flow

- The impact on measurement results is completely removed

- Is the only **validated filter** for the Vyntus BODY
Easy and optimized post-test decision making - visual diagnostic using the Resistance-Volume-Chart

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

Smart Diagnostics – Improve clinical outcome while saving valuable time

The Vyntus BODY is controlled by the powerful and easy to use 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
- Strictly 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
*based on the Bio Burden DIN EN ISO 11737-1: Report 18AA0088