



# Vitalograph Morgan PFT—VitaloQUB®



## More than Spacious. It's Special.

The patient is always the central focus inside this cabin. The VitaloQUB® features a low step height for easy access and a wide, stable bench seat that supports up to 550 lbs. With a dedicated patient viewing monitor and many more standard features, the VitaloQUB® is the clearest choice for any pulmonary function laboratory where plethysmography is the primary method to measure lung volumes (VTG) and airways resistance (RAW).



## Features

Treat yourself to some room with the VitaloQUB. A body plethysmograph that allows for accurate and reliable test results in the youngest and sickest of patients.

- Bright, comfortable, and spacious cabin with low maintenance valve and pressure less gas delivery.
- No wait time required for temperature equilibration; door can be opened between VTG/RAW efforts for patient comfort.
- Dedicated patient incentive screen to help patient technique for optimal results.
- Support valve arm can swing over 3 ft outside of the cabin for patients who cannot or will not enter inside.
- Used in conjunction with either the VitaloLAB® or VitaloROV® for point of care testing.



## A Plethysmograph you have never seen before through the lens of ComPAS2.

The VitaloQUB® and ComPAS2 combine an ease of use with accuracy and the ultimate in patient comfort to create function in its highest form.

Morgan Scientific offers a firm belief in flexibility, providing several testing options in one modular device. The device can be either cart based for point of care testing or connected to the cabin for VTG and RAW testing. The patient valve can help accommodate many patients from those in motorized wheelchairs or those requiring testing in a supine position.



## ComPAS2 - change how you see PFT's.

ComPAS2 is where PFT power meets efficiency with robust testing, reporting, and connectivity capabilities including:

- Instant test feedback for acceptability and reproducibility to the latest standards
- Instant report generation
- Auto Interpretation with the latest ATS/ERS guidelines
- Unique remote interpretation design
- Highly configurable workflows
- Customizable testing dashboards and reports
- Unsurpassed EMR Integration
- End to end encryption for data storage & transit
- Real time billing tools with advanced reporting

# Vitalograph Morgan PFT–VitaloQUB®

The ultimate power of  
ComPAS2—the world's most  
advanced PFT software

Fast-gas diffusing capacity,  
multi-breath & single-breath  
Nitrogen washout lung volumes

Stylish adjustable-height cart  
with integrated articulating arm  
for patient valve



Test gas delivery at  
atmospheric pressure—no  
added resistance!

World-class interpretation  
workflow and EMR integration

Amazingly quiet; a pleasant  
patient and technician  
experience

Verifiable - no compromise in  
accuracy & reliability



## Capabilities

**Test capability:** Forced Vital Capacity, Slow Vital Capacity, Maximum Voluntary Ventilation, Cough Peak Flow, Bronchial Challenge, Maximum Pressures, Diffusing Capacity (FG), Nitrogen Washout (Single- and Multi-breath), Lung Clearance Index, Thoracic Gas Volume, Airway Resistance, Nasal Inspiratory Pressure, Six Minute Walk (with optional WristOx), BODE Index

**Predicted Normal Protocols:** Global Lung Initiative (GLI & GLI Global) Spirometry, DLCO, Lung Volumes; NHANESIII, ATS/ERS; Polgar; Knudson; Crapo; Morris; and many more

**Reporting:** Brilliant library of report options including

- Logo and header design
- Manual entry information
- Numerous test graphics
- Summary of all efforts
- Overlay of graphics
- Past test result history & graphing
- Computer impressions
- Captured digital signature
- Administrative reports, QA reports, and research query reports

**Interfacing:** HL7 Orders/Results/Billing and PDF

**Remote interpretation:** When tests are completed, results can be routed to any network/internet-connected station for physician interpretation.

**Remote support:** ComPAS QuickSupport with TeamViewer or other remote access solutions



## Specifications

**Model number:** VIT-9160

**Size:** 38 x 30 x 69 in / 970 x 750 x 1750 mm

**Weight:** 265 lbs / 120 kg

**Operating Temperature:** 32-122°F / 0-50°C

**Connection to PC:** USB

**Power:** 110VAC 60Hz

**Flow Measurement:** Heated Lilly pneumotachograph

**Accuracy:** ±2% @ ±14 L/s

**Volume Measurement:** Flow integration @ 100Hz

**Accuracy:** ±2.5% or ±75 mL

**Pressure Measurement:** Solid state pressure transducer

**CO & CH<sub>4</sub> Sensor:** Nondispersive infrared (NDIR)

**Accuracy:** ±1% of full scale

**O<sub>2</sub> Sensor:** Laser Diode Absorption

**Accuracy:** ±0.2%

**CO<sub>2</sub> Sensor:** Infrared

**Accuracy:** ±0.1%

**DLCO Gas:** 0.3% CO, 0.3% CH<sub>4</sub>, balance air

**MBN<sub>2</sub> & SBN<sub>2</sub> Gas:** 100% O<sub>2</sub>

**Span Gas:** 14-16% O<sub>2</sub>, 4-6% CO<sub>2</sub>, balance N<sub>2</sub>

**Patient Valve:** Pneumatic pistons

**Inspirate Gas Delivery:** At atmospheric pressure

**Performance Standards:** ATS/ERS 2019, EN ISO 13485

**Safety Standards:** IEC 60601-1:2005,

**Medical Devices Directive:** 93/42/EEC

Designed and manufactured by Vitalograph  
Certificate # 700480: MDSAP ISO 13485:2016  
ComPAS2 software by Morgan Scientific, Inc.  
Certificate # QS60949650004 Rev. 02: MDSAP  
ISO 13485:2016/FDA 21 CFR 803, 806, 807  
Subparts A to D, 820/CMR

