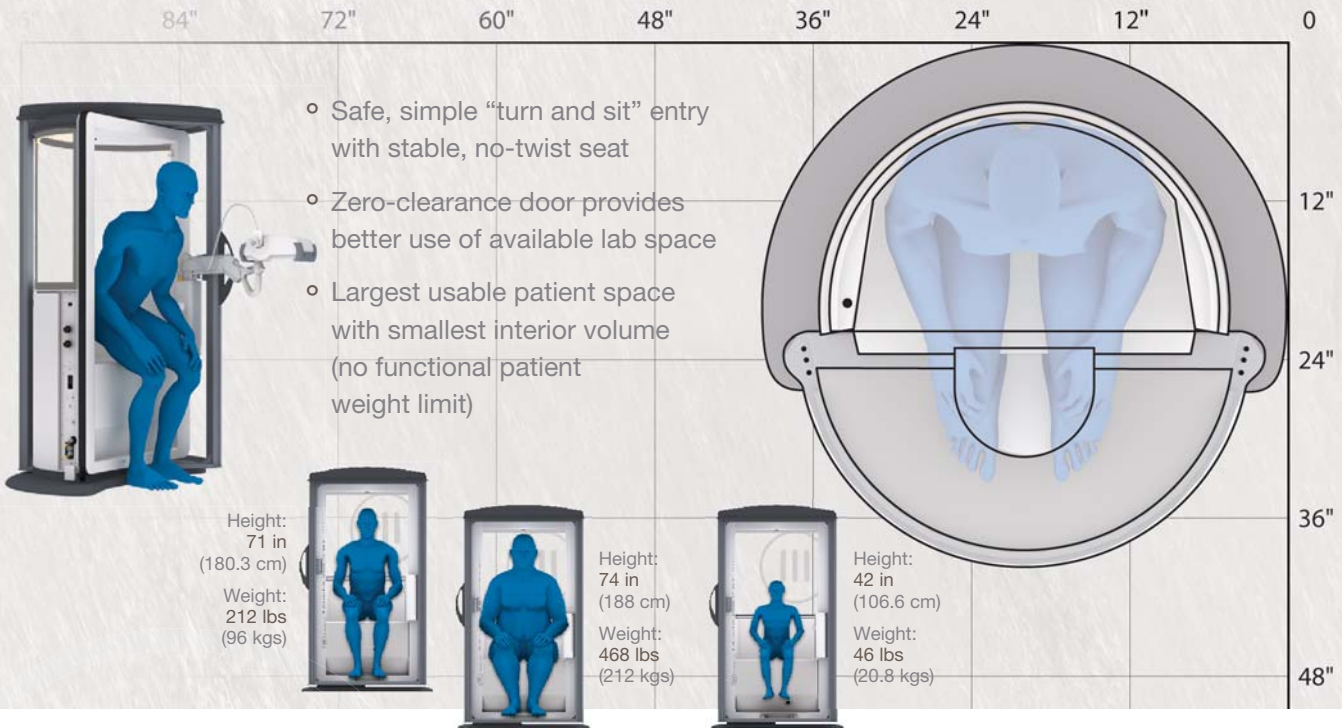




Platinum Elite™ Series

Body Plethysmograph



Putting patients first should not mean sacrificing time, space or accuracy. With the Platinum Elite Series Body Plethysmograph, comfort blends seamlessly with superior testing performance.

COMPACT

Our Body Plethysmograph has a patented, zero-clearance, self-revolving door that makes it ideal for small testing rooms and crowded labs. With an interior volume of just 726 L, the Platinum Elite Series Body Plethysmograph has the smallest footprint of any "body box" on the market.

COMFORTABLE

For the Platinum Elite Plethysmograph, space efficiency never comes at the expense of interior room. In fact, we offer the largest usable patient space of all available plethysmographs. Our sturdy metal seat has unlimited weight capacity and more knee and foot room to accommodate larger and tall patients with ease. Those with mobility challenges access the cabin simply by turning and sitting—there's no need to "step up" or twist to enter. We took great care in designing our body plethysmograph because we know that patients breathe more normally when they are in a relaxed, pleasant testing environment.

ACCURATE

Yes, we offer the latest technology options, comprehensive diagnostics, and multiple networking and interfacing options to enhance data management and connectivity. Customers appreciate that our enterprise-friendly product integrates well with their existing IT systems because it means their team spends less time "getting it right." But ultimately, what brings the greatest accuracy is also the result of quality: faster set-up, minimal analysis time, and unprecedented patient comfort.



The Platinum Elite System's new digital technology and enhanced features represent the Platinum Standard. Its ease of operation will meet pulmonary function testing needs for years to come.

SUPERIOR PATIENT INTERFACE WITH THE PREVENT® FLOW SENSOR

- Simple snap-in design— no warm-up or recalibration required between patients
- No moving parts or electronics—for maximum durability
- Can be sterilized, used with a filter or discarded, making it extremely versatile and cost effective



COMPLETE CAPABILITIES FOR BETTER PATIENT CARE

- Faster, more accurate testing
- Comprehensive diagnostics, including airways resistance and thoracic gas volumes
- Compliant with ATS/ERS and HIPAA standards
- Open-architecture database with flexible system software
- Multiple networking and interfacing options

TYPES OF TESTS	D	DL	DX
Spirometry (FVC, SVC, MVV)	✓	✓	✓
Bronchial provocation	○	○	○
Thoracic gas volumes (TGV)	✓	✓	✓
Airways resistance (Raw)	✓	✓	✓
Respiratory mechanics (MIP/MEP)	✓	✓	✓
P100	○	○	○
Static & dynamic compliance	○	○	○
DL _{co}		✓	✓
N ₂ washout			✓
SBN ₂			✓

✓ = Standard ○ = Optional

GAS REQUIREMENTS

MODELS DL, DX WITH RTD™ MULTIGAS TECHNOLOGY

- Calibration gas (6-8 psi): 5% CO₂, 12% O₂, bal N₂
- DL_{co} mix (135 psi): 0.3% CO, 0.3% CH₄, 21% O₂, bal N₂
- 100% O₂ (135 psi)

MODEL DL WITH GAS CHROMATOGRAPHY

- DL_{co} mix (135 psi): 0.3% CO, 0.5% Ne, 21% O₂, bal N₂
- 100% He (10-28 psi)

MODEL DX WITH GAS CHROMATOGRAPHY

- DL_{co} mix (135 psi): 0.3% CO, 0.5% Ne, 21% O₂, bal N₂
- 100% He (10-28 psi)
- 100% O₂ (135 psi)

ALL MODELS REQUIRE GAS TO SEAL THE DOOR

- Air (30-135 psi)
- or
- DL_{co} mix (135 psi)

SPECIFICATIONS

PLATINUM ELITE MODULE

- Height: 69.5 in (176.5 cm)
- Circumference: 113 in (287 cm)
- Diameter (door closed) 37 in (94 cm)
- System weight: 350 lbs (158 kgs)
- Internal volume: 726 L
- Construction: Aluminum/acrylic
- Arm adjustments
 - Vertical extension: 20 in (51 cm)
 - Horizontal extension: 14 in (35.5 cm)

PREVENT FLOW SENSOR SPECS

- Bidirectional Pitot tube flow sensor
- Range: ±18 L/s
- Accuracy: ±3% or 50 mL, whichever is greater (meets or exceeds ATS/ERS clinical performance standards)
- Resistance: <1.5 cm H₂O @ 14 L/s
- Dead space: 39 mL

POWER REQUIREMENTS

- 100-240 V/50-60 Hz

O₂ ANALYSIS (MODEL DX)

- Type: Galvanic
- Range: 0-100%

DIFFUSION ANALYSIS: RTD MULTIGAS TECHNOLOGY (MODELS DL, DX)

- Analysis time: <1 sec
- Range for CO and CH₄: 0-0.35%
- Accuracy for CO and CH₄: 0.003%
- Linearity: <1% full scale
- Resolution for CO and CH₄: ± 0.0005%

GAS CHROMATOGRAPHY (MODELS DL, DX)

- Analysis time: <120 sec
- Range: Ne, 0-0.5%; CO, 0-0.3%
- Accuracy: 0.03 units full scale or 0.03%
- Linearity: 0.5% full scale

GAS SAMPLE

- Proprietary gas-drying sample circuit



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