

Basic Specifications

Volume Range	-0.3 to +1.0 liter
Compliance Values* (pre-set, calibrated at 1 litre)	10, 20, 50 ml/cmH ₂ O
Resistance Values*	0, 5, 20, 50, 200 cmH ₂ O/litre/sec.
Weight	3.8 kg
Dimensions	146 x 276 x 352 mm
Connections	BS-ISO compatible 22 mm socket
Noise Level at 1 meter	< 70dB

*The values approximate to those recommended in the ISO 5369 standard for Breathing Machines for Medical use (lung model and method of testing performance of lung ventilators). Note: However, the resistance being non-linear and the compliance being adiabatic instead of isothermal, the Lung Simulator should not be used for the precise measurement and calibration of lung ventilators to the ISO specification. Property certified calibration equipment must be used for this purpose.

In order to be representative of the various states found in clinical practice, a Lung Simulator must have two independently variable components: total compliance and airway resistance.

Options

- ◆ #0015011 Lung Simulator Gauge
- ◆ #0015082 Lung Simulator Service Kit

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LUNG SIMULATOR

SMS "Manley" Lung Sim



The SMS Manley Lung Simulator is a long-time industry favorite! This unit acts as a simulated physiological load for the ventilator being tested. The Lung Simulator can be used to test the efficiency of lung ventilators in normal use, or after maintenance to check the serviceability of a ventilator for a specific application and for the instruction of students in the use of ventilators and the techniques of manual ventilation.

The Manley Lung Simulator comprises a bellows and associated restraining springs, a pressure gauge, a volume scale and resistance and leak controls, all mounted on a free standing frame.

