

NeoLung[®] Neonatal Demonstration Lung



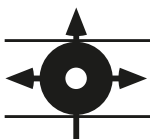
Simulate Your Smallest Patients

Neonatal ventilation has always been a special challenge because of the delicate patients and tiny lungs that you must manage. The added dimension of waveform graphics and new approaches to ventilator management make hands-on instruction critical.

Using the NeoLung, you can demonstrate the dynamics of patient-ventilator interaction in a very intuitive, visual fashion ... making respiratory classes and ventilator instruction much more effective. There is no lengthy set-up; you simply connect the lung model to your ventilator and you are ready for a respiratory class, an equipment inservice, or any situation that requires hands-on ventilator instruction.



Hands-on training with no risk to patients



INGMAR MEDICAL
Respiratory Simulation Specialists

NeoLung® – Simulate Your Smallest Patients

Compliance compartments can be turned on and off easily.

Three levels of leaks can be set with convenient stopcocks.

Volume limit brackets simulate overdistention effects.



Carrying pouch protects the device and prevents loss of individual components.

Resistances are quickly changed by exchanging ET-tubes.

Patient inspiratory effort and ventilator response in assisted modes can be demonstrated with highly pliable silicone bellows.

NeoLung Benefits:

- Rapidly change patient parameters to demonstrate phenomena such as auto-PEEP or stacked breaths, over-distention, the "stiff" lung associated with IRDS and the effect of increased resistance caused by ET-tubes.
- Demonstrate the impact of leaks on tidal and minute ventilation, as well as on flow-sensing triggers.
- Realistically show overdistention at different lung volumes.
- Visualize high-frequency ventilation.
- Enhance instruction and demonstration of ventilator graphics capabilities.

Specifications

NeoLung

Passive Lung Simulator with two independent compartments for simulating neonatal and infant patients. Not intended for ventilator calibration or performance verification.

Compliances	1.0, 2.0 mL/cmH ₂ O (approx. values)
Tidal Volume	max 25 cm ³ each bellows
Resistances	100-350 cmH ₂ O/L/s (approx. values) at 10 L/min flow
Leak settings	15, 30, 45% (approx. values)
Overdistention	10, 20 cm ³ limit (V _{tmax})
Dimensions	6.5 W x 5.5 D x 3 H in. (216 x 165 x 76 mm)
Weight	7 oz. (200 g) (includes carrying pouch)
Color	blue (carrying pouch)