Available with the 7900 Ventilator

Certified Refurbished

Pictured with DRE Waveline Pro patient monitor (sold separately)

The Modulus SE anesthesia machine supplies set flows of medical gases to the breathing system. A large selection of gases, vaporizes, ventilators and monitors gives you control of your system's configuration.

Gases and vaporizers

» Comes with O_2 (two connections), N_2O and air, plus one more cylinder connection for N_2O or Heliox.

» Holds three vaporizers.

» Low leak rates, accurate flowmeters and a minimum proportion of O_2 to N_2O permit closed circuit and low-flow anesthesia.

Ventilators and monitors

» Available with the 7900 ventilator, a microprocessor controlled ventilator with internal monitors, electronic PEEP, two modes of ventilation and a pressure waveform display.

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» The Modulus SE also accepts the Ohmeda Respiratory Gas Monitor or the Ohmeda Rascal II.

Patient Safety

Safety devices decrease the risk of:

» *Hypnoxic mixtures:* The Link 25 System keeps the O_2 concentration higher than 25% (approximate value) at the common gas outlet for O_2 and N_2O mixtures. N_2O and air or heliox flows stop if the O_2 supply decreases to less than 20 psig (138 kPa).

» *Agent mixtures:* With correctly installed vaporizers, you cannot turn on more than one vaporizer at a time. The vaporizer manifold prevents gas flow through all vaporizers that are OFF.

» *Complete power or sudden gas supply failures:* Batteries continue 7800 and 7900 ventilator operation during a power failure. Ohmeda ventilators have power failure alarms, and alarms for low gas supply pressure. The Modulus SE has an alarm for O_2 supply pressures less than 30 psig (207 kPa; approximate value).

VENTILATOR OPTION 1: 7800

Systems with the 7800 Ventilator use:

» The ventilator to monitor inspiratory O_2, expiratory volume, and airway pressure.
» The system switch to start gas flow and to turn ON the ventilator.
» A pneumatic alarm for low O_2 supply pressure.
» A battery in the ventilator to continue ventilator operation during a power failure.
» An outlet box to supply electrical power to system components. A transformer in the box supplies power for the light.

VENTILATOR OPTION 2: 7900

Systems with the 7900 Ventilator use:

» The ventilator to monitor inspiratory O_2, expiratory and inspiratory volumes, and airway pressure.
» The system switch to start gas flow and to turn ON the ventilator.
» An electronic alarm on the ventilator for low O_2 supply pressure.
» A battery in the ventilator to continue ventilator operation during a power failure.
» Software that adjusts for changes in fresh gas flow, breathing circuit compliance, and leaks.
» An outlet box to supply electrical power to system components. A transformer in the box supplies power to the light.

The 7900 Ventilator has two modes of mechanical ventilation. Each mode adjusts the output as necessary to supply the set breath:

» The pressure mode supplies constant pressure during inspiration.
» The volume mode supplies constant flow during inspiration.

Patient Data:

» Inspired O_2 concentration.
» Exhaled tidal and minute volumes.
» Respiratory rate.
» Peak, mean, and plateau airway pressures.
» Airway pressure waveforms.

Alarms:

» High and low O_2 concentration.
» High, low, sustained, and subatmospheric airway pressures.
» Volume apnea.
» High and low minute volume (exhaled).
» High and low tidal volume (exhaled)
» Reverse flow.
» The set breath was not supplied.
» Empty bellows.
» Incorrect control settings.
» Incorrect flow sensor connections.

SPECIFICATIONS

Weight

» Modulus SE: 139.3 kg (309.5 lbs.)

Dimensions

» Height: 170 cm (66.9")
» Depth: 79.4 cm (31")
» Width: 79.4 cm (31")

Shelves

Middle Shelf

» Weight Limit: 34 kg (75 lbs.)
» Usable Height: 35.3 cm (13.9")
» Dimensions: 43 x 40.6 cm (16.9" x 16")

Top Shelf

» Weight Limit: 45 kg (100 lbs.)
» Dimensions: 80.6 x 37.0 cm (31.7" x 14.6")

Table-top

» Height (above floor): 85.1 cm (33.5")
» Dimensions: 77 x 29.8 cm (30.3" x 11.7")

Drawers and Shelf

» Drawer: 47.6 x 34.3 x 14 cm (18.8" x 13.5" x 5.5")
» Fixed Shelf: 47.6 x 36.8 cm (18.8" x 14.5")
» Slide Shelf: 46.5 x 36.8 cm (18.3" x 14.5")

Absorber and Post

» Absorber Arm Length: 30.5 cm (12")
» Vertical Adj (above floor): 39.4 to 71.1 cm (15.5" to 28")

Casters

» 12.7 cm (5") casters with a brake on the front casters

LOW FLOW/CLOSED CIRCUIT ANESTHESIA

Permits low-flow and closed-circuit anesthesia with:

» O_2/N_2O mixtures in 25%-75% proportions at O_2 flows as low as 200 mL/min.
» Accurate flowtubes.
» Vaporizers with linear concentrations.
» Low leak rates.
» An absorber that uses less absorbent.

All information/specifications subject to change without notice.