

Valleylab Force FX

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Force FX Electrosurgical Generator with Instant Response Technology

UNIQUE FEATURES OF THE FORCE FX™ ELECTROSURGICAL GENERATOR

- Instant Response™ technology ensures that the power delivered remains virtually constant, regardless of the tissue type
- Improved performance at lower power settings minimizes the risk of tissue damage and neuromuscular stimulation
- Three internal microcontrollers reduce system reaction time and increase the system's processing speed
- Spray coagulation voltage of no more than 9000 volts peak-to-peak output for broad, but superficial coagulation with limited capacitive coupling
- A Power Efficiency Rating (PER) of approximately 98 for accurate and consistent cut performance
- Three cut modes, all controlled by Instant Response™ technology, offer surgeons a variety of choices
 - Low Cut for delicate tissue or laparoscopic cases
 - Pure Cut for a clean, precise cut
 - Blend for cutting with hemostasis
- Four coag modes
 - Desiccate for low voltage contact coagulation suitable in laparoscopic and delicate tissue work
 - Fulgurate (high crest factor) for efficient noncontact coagulation in most applications

- Fulgurate (low crest factor) for lower voltage coagulation requirements
- Spray for coagulating large tissue areas with superficial depth of necrosis
- Three bipolar modes
 - Precise, Standard, and Macrobipolar are controlled by the Instant Response™ system
 - Precise and Standard settings utilize low voltage to prevent sparking
- Versatile system that is uniquely compatible with other devices, including:
 - Force Argon™ II and Force GSU™ argon coagulation system • CUSA EXcel™ and CUSA™ 200 ultrasonic surgical aspirators
 - OptiMumm™ smoke evacuator, through a direct cable link
 - Valleylab VLCM bipolar current monitor
- Compatible with and used as the electrosurgical energy source for:
 - Dyonics* Control RF arthroscopic ablation system
 - Dyonics* Electroblade™ rotary resection system
 - Cook Vascular Perfecta™ EDS pacemaker lead extraction system
- Compatible with, and the exclusive electrosurgical generator for, the Computer Motion Hermes™ Voice Command System

Click **here** for the User Manual

Viasys Avea

Viasys Avea

Automating Everyday Tasks

The AVEA ventilator automates many of the routine tasks you face every day, allowing you to focus on what's most important— your patient.

- Automated MIP/NIF, AutoPEEP and Slow Flow maneuvers
- Programmable oxygen increase
- Artificial airway compensation
- Leak compensation

Connecting you to your patient

The exclusive BiCore™ technology integrated into the AVEA ventilator connects you to your patient like no other ventilator can.

- Work of breathing—guiding ventilator weaning with work of breathing has been shown to reduce ventilator days.
- Transpulmonary pressure—studies suggest that the use of transpulmonary pressure guidance in mechanical ventilation may allow you to optimize PEEP titration. What's most important is that this can be done in real time, with no complex maneuvers and no disruption in ventilation.

Volume-based capnography

- Advanced CO₂ measurements
- Traditional time-based capnography
- Alveolar, anatomic and physiologic dead spaces
- V_d/V_t ratio, alveolar minute ventilation

Slow-flow PFLEX

- One of four automated assessment maneuvers

- Low-inflection point calculation
- High-inflection point calculation
- Storage of four measurements for comparison (superimposable)

Accurate tracheal and esophageal monitoring

- Measure the actual work imposed by the endotracheal tube
- Tracheal pressure monitoring
- Esophageal pressure monitoring
- Transpulmonary pressure monitoring

Get the Operation Manual Here

Viasys Infant Flow SiPAP

The Viasys Infant Flow SiPAP Ventilation system is the market leader in neonatal noninvasive ventilation, with clinically proven technology that is safe and reliable for neonates.

The Viasys Infant Flow SiPAP has features that include:

Clinically Proven Technology

Fully Integrated Alarm Package that contains alerts for High airway pressure, High circuit pressure, low airway pressure, low or flat battery charge level, both high and low delivered Oxygen, low breath rate alarm, and Input gases failure

NCPAP and BiPhasic Support

LCD Touchscreen

Patented Infant Flow Generator

2 Hour Backup Battery

Self Calibration

Screen Lock to prevent unwanted changes

Additional Product Specifications include:

Battery Working Time -2 hours (from fully charged state)

Battery Charging Time -max. 16 hours

Power Consumption -50 VA maximum

Temperature Range-Operating: 5 – 40° C

Storage: 0 – 50° C

Relative Humidity -Operating: 0 – 90% non-condensing

Storage: 0 – 90% non-condensing

Dimensions-10.25 x15 x 9.25 in

Weight-19.5 lb

Input Voltage -100-230 VAC

Input Frequency -50/60 Hz

Manometer – Range 0 to + 20 cmH₂O, accuracy, $\pm$ 2% of span

Viasys Vela

Viasys Vela

Intuitive operation

The Simple Touch™ user interface on the VELA ventilator reduces training time, produces consistency in method and enhances clinician confidence.

Connecting you to your patient

The exclusive BiCore™ technology integrated into the Vela ventilator connects you to your patient like no other ventilator can.

- Work of breathing—guiding ventilator weaning with work of breathing has been shown to reduce ventilator days.

- Transpulmonary pressure—studies suggest that the use of transpulmonary pressure guidance in mechanical ventilation may allow you to optimize PEEP titration. What's most important is that this can be done in real time, with no complex maneuvers and no disruption in ventilation.

Full Featured

- Invasive and noninvasive critical care ventilator
- Pediatric through adult applications
- Advanced settings to treat the most difficult-to-ventilate patient
- Multiple noninvasive modes with automatic leak compensation to provide more ventilatory support options
- Dual-limb noninvasive ventilation helps eliminate CO₂ and rebreathing of exhaled gases
- Apnea backup ventilation with user-selectable breath type
- Integrated end-tidal capnography monitoring
- Performs multiple applications from the emergency room to critical care and sub-acute settings
- Operates independent of air sources for greater flexibility
- Portable unit allows patients to stay on NIV therapy during transport
- High pressure O₂ inlet with blender
- Low pressure O₂ inlet with accumulator
- Internal battery capacity of six hours
- Compatible with speaking valves
- Patented turbine technology with flow capabilities of 180 LPM
- Two-year warranty, with a five-year or 40,000-hour warranty on the turbine

- Accurate, integrated FiO2 delivery, monitoring and alarms
- Complete 24-hour trended data of all patient parameters
- No scheduled maintenance of the turbine with a low cost of ownership

Get the Operation Manual Here

Welch Allyn Propaq CS

Product Description

Features a bright, full-color touchscreen display for continuous vital signs monitoring in hospital environments, during conscious sedation, and pre- and post-operative care.

Features

- 3- or 5-lead ECG
- SpO2
- NIBP
- Pulse rate
- Respiration
- Temperature
- Continuous vital signs monitoring
- Optional features include: Sidestream, mainstream or dual stream capnography
- 1 or 2 invasive blood pressure channels

- Integrated printer
 - Connectivity to Acuity Central Station (hospital)
 - Neonatal, pediatric and adult modes
 - Full patient alarms and apnea alarming
 - Trending on all parameters
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Zevox EnteraLite Infinity

Dimensions: 1.95"H x 5.65"W x 4.05"D

Weight: 14.4 oz

Flow Rate Range:

0.1-9.9 ml/hr in 0.1 ml/hr increments

0-600 ml/hr in 1 ml/hr increments

Dose Range:

0.1-9.9 ml in 0.1 ml increments

10-999 ml in 1 ml increments

1000-3000 ml in 10 ml increments

Accuracy: $\pm 5\%$

Battery: Rechargeable Lithium Ion

Battery Life: 24 hours at 125 ml/hr

Recharge Time: Approximately 6 hours

Zoll M Series Defibrillator

The smallest, lightest, most advanced defibrillator monitor ever made, with all the capabilities you'll ever need! The Zoll M Series is Only 11 pounds (5kg). Half the weight and a third the size of any unit in its class, the Zoll M Series Defibrillator has everything you need for cardiac resuscitation: fast, easy-to-use defibrillation using synchronized cardioversion, external pacing, ECG with advanced monitoring, built-in AC or DC power, and an integrated information management system. The Zoll M Series Defibrillator is perfect for Crash Cart use or EMS use in any situation.

The Zoll M Series is easy-to-handle because of its small size and light weight. The built-in power charger and AC power supply doesn't add weight or size.

The Operating System features consistent, straightforward controls. Intuitive menus lessen training costs, minimize operator confusion, and reduce the chance for error.

Zoll's proprietary Rectilinear Biphasic Waveform with its lower energy and current and the 40-msec Rectilinear Pacing waveform provides superior efficacy while optimizing patient safety.

Zoll's patented external Pacing offers superior capture at lower mean thresholds, reducing muscle artifact and ensuring more patient comfort and better patient tolerance.

Features

- Wide variety of Zoll electrodes and paddles available
- Event documentation via internal memory
- Removable (optional) PCMCIA cards for easy data transfer and archiving
- Bluetooth is also available for data transmission

Configuration Modes:

- Monophasic waveform
- Biphasic waveform
- AED mode with override
- Shock advisory
- 3-lead ECG

- 12-lead interpretive ECG
- Non-invasive pacing
- SPO2 saturation (pulse oximetry)
- NiBP
- EtCO2
- Multifunction cables
- Integrated hard paddles

All Zoll M Series Defibrillators include:

- 1 new Zoll M series battery pak, NiCad rechargeable battery
 - 1 set of Zoll Stat-pads for “hands-free” defibrillation and pacing
 - AC power supply cord (also charges the battery)
 - Instructional video/M series manuals
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Zoll PD 1400 Defibrillator

The easy-to-use Zoll PD 1400 is perfect for hospitals, small offices, and transport use. It's a tough, water-resistant machine, which offers users an impressive range of features. In addition, it's capable of using multi-functioning electrodes, as well as typical defibrillator paddles and pacing electrodes.

Other features

- Large CRT display monitor
- Multifunction electrodes
- Space saving design, weighing 13 pounds
- Superior Battery Technology