



The **Impact Univent 754** is a portable transport ventilator. It has a variety of PEEP ventilation modes including Assist Control, SIMV, CPAP, and CMV. With a Compressor and blender. The system is completely contained and does not require any outside gas. The Uni-Vent 754 can be used on patients ranging from neonatal to adults. The backlight LCD screen provides an area to monitor the patient's vitals and alarm settings. The Impact ventilator system runs off an internal rechargeable battery along with additional posts for ac power as well. The ventilator comes with an interactive demo and teach mode and is EMI/RFI and Air Medical Certified.

Features

- Compact and Light weight
- Operating Modes: ACV, SIMV, CPA and CMV



Specifications

Operating Modes

ACV – with/without PEEP, SIGH, and PRESSURE PLATEAU

SIMV - with/without PEEP SIGH and PRESSURE PLATEAU

CPAP – with/without PEEP

CMV – for Apnea backup of ACV, SIMV and CPAP

General

Deliverable Gas(es) Air (Internal Compressor, External 50-PSI); Oxygen (External 50-PSI)

Tidal Volume Range 0 to 3000 mL

I:E Ratio 1:1 Preset, Adjustable 1:1 to 1:599

Sensitivity Default, 1.5 to 2.0 cmH₂O; Adjustable, 1.0 to 6.0 cmH₂O

Flow Rate Adjustable, 0 to approximately 60 LPM (0 to approximately 1000 ml/sec)

Ventilation Rate Adjustable, 1 to 150 bpm, in 1bpm increments (± 1 digit on the display panel)

Inspiration Time Adjustable, 0.1 to 3 sec, in 0.1 sec increments (± 1 digit on the display panel); 1:2 I:E RATION preset

FiO₂ Adjustable, 21% to 100% (Internal Air/Oxygen Mixer), resolution in 1% increments, accurate to within $\pm 10\%$

Low Pressure Alarm Adjustable, 0 to 50 cmH₂O, in 1 cmH₂O increments (± 1 digit on the display panel)

High Pressure Alarm Adjustable, 15 to 100 cmH₂O, in 1 cmH₂O increments (± 1 digit on the display panel)

Peek Inspiratory Pressure Relief Adjustable, 15 to 100 cmH₂O, in 1 cmH₂O increments (± 1 digit on the display panel)

Pressure Plateau Range, 5 to 90 cmH₂O (referenced to HIGH PRESSURE ALARM set-point)

Assist/SIMV Sensitivity Default, 1.5 to 2.0cmH₂O bellow end pressure

PEEP Program range 1 to 20 cmH₂O, in 1 cmH₂O increments (± 1 digit on the display panel)

Sigh Occurs once every 100-ventilations or 7-minutes, whichever occurs first. Sigh duration = 150% Vt (truncated to a combined maximum of 3 seconds)

Liquid Crystal Display External Air, Sigh, PEEP, Pressure Plateau, High-Pressure Alarm Setting, Low-Pressure Alarm Setting, Ventilation Rate, Inspiration time/I:E Ratio, Tidal Volume, Air/Oxygen Mixer, Mode, Inspiration/Exhalation, Power, Pear Airway Pressure, Mean Airway Pressure, Digital Bar Graph, High/Low, Airway Pressure Alarm Setpoint Indicators, Paw.

LED Indicators Charge/Alarm/System Failure

LED Digital Bar Graph Range -10 to 100 cmH₂O

LCD Alarm Display Battery Low, External Power Low, Low Pressure, O₂ Low/Fail, Disconnect, High Pressure, Apnea, Vt, High PEEP, Ext Air Low/Fail, FIO₂, Inverse I/E, Comp, Pressure Alarm Settings, Transducer Calibration, Transducer Calibration Abort, System Failure, Ventilator Fail, Inspiration Time Truncated to 3-seconds, Plateau Volume, Preventative Maintenance Due, Vt Settings, Extended Non-Use/ Storage, External Power Failure