**IMPACT 731 VENTILATOR**

- Indications from infants (5 kg) up to adults with respiratory failure
- USAF rated for flight with altitude compensation to 25,000 feet (unpressurized)
- Offers the following modes:
  - Assist-Control - Volume or Pressure (gives a mandatory breath at the set rate)
  - SIMV - Volume or Pressure +/- Press support (synchronizes breath with patient’s own efforts)
  - CPAP - Non-invasive mask CPAP +/- Pressure Support with automatic leak compensation
- Internal battery - 10 hrs continuous use, 90% recharge in 2 hrs
- Provides 21% FiO2 or up to 100% O2 with oxygen attached

**Basic functionality:**

**Hook-ups:**

- 55 psig regulated oxygen in
- AC power
- SpO2 (under protective Cover)
- Green hose to airway pressure transducer
- Clear hose to exhalation valve
- Patient circuit corrugated tubing to gas outlet
**Circuits:**

[Infant for 5-30kg, max 300ml TV/Adult for >20kg, min 200ml TV]

**Operating Sequence:**

1. Hook up all connections: Green hose to green transducer port, clear hose to silver exhalation valve, circuit to gas outlet, oxygen if FiO2 > 21% desired.
2. Turn on ventilator using power switch. Vent will start with default settings after a self check.
3. Use default settings for initial settings: TV 500; FiO2 21; Rate 12; I:E 1:2.5; PEEP 5; Assist Control
4. High pressure alarm is pre-set at 35cmH2O and pressure will pop off at set value
5. Adjust FiO2 upward to maintain SpO2 > 90%
6. For pediatric patient, start with a TV of 8ml/kg

**Changing Parameters from Start-up Defaults:**

4. Press Select “.” button to accept new value.

To change a parameter during operation:

1. Press parameter button adjacent to setting to be changed.
2. Current value is highlighted.
3. Turn rotary encoder to desired value.