

# FEV 1002

## PORTABLE VENTILATOR

The FEV 1002 ventilator is a **feature-rich** and **intuitive** device that is intended for **use on patients weighing greater than 20 kg**. The ventilator is **portable** and **lightweight** with **Assist-Control function**, as well as being gas-powered through a **50 psi oxygen gas source**.

The ventilator is able to run up to **48 hours on 2 D-Cell batteries**. It is meant to be used in **environments of emergency medical services (EMS), inter-hospital transportation, hospitals, clinics**, and if necessary, it could be used in a **mass casualty environment**. The ventilator's assist-control operation allows patients to receive either **invasive** or **non-invasive** types of ventilation.

## SPECIFICATIONS

### ◆ SETTING PARAMETERS

- ◆ **Breaths Per Minute (BPM):**  
1 second inspiratory time = **0 and 5 to 30**  
2 second inspiratory time = **0 and 5 to 20**
- ◆ **Tidal Volume: 200 - 1200 ml**
- ◆ **Inspiratory Time (It): 1 second or 2 second selection**
- ◆ **Assist Control:** Trigger at **less than  $\leq$  1 cm H<sub>2</sub>O**.
- ◆ **Airway Pressure Limit: 60 cm H<sub>2</sub>O**
- ◆ **CPR only Mode Setting: 1 second inspiratory time**, 10BPM, 400 ml tidal
- ◆ **FiO<sub>2</sub>: 100%**

### ◆ POWER CHARACTERISTICS

- ◆ **Gas Supply Pressure: 280 kPa (40.6 psi) to 600 kPa (87 psi)** oxygen DISS connection.
- ◆ **Internal Power Supply: D cell alkaline**
- ◆ **Battery Life: 48 hours** of continuous use

### ◆ ALARM SYSTEMS

- ◆ **Low Battery Alarm: Below 2V**
- ◆ **Low Source Gas Alarm:** Activates at **275 to 241 kPa** (40 to 35 psi) source pressure.
- ◆ **High Airway Pressure Alarm:** Activates at **45 cm H<sub>2</sub>O** with a red LED.
- ◆ **Breath Delivery Alarm:** Activates with a red LED when the airway pressure **does not go above 9 cm H<sub>2</sub>O**.
- ◆ **Alarm Sound Volume: 58 decibels**

LIGHTWEIGHT. INTUITIVE.  
PORTABLE.



### ◆ PHYSICAL CHARACTERISTICS

- ◆ **Size: 140 mm x 124 mm x 63 mm**
- ◆ **Weight: 693 gm** without battery, **972 gm** with battery
- ◆ **Operating Conditions: 4 to 50°C** (39.2 to 122°F)
- ◆ **Storage Conditions: -40 to 60°C** (-104 to 140°F)
- ◆ **Shipping Conditions: -40 to 60°C** (-104 to 140°F)
- ◆ **Enclosure Material: PC**
- ◆ **Water Resistance: IPX4 Certified**
- ◆ **Manometer Readout: Digital. 0-99 cm H<sub>2</sub>O**

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