

## GO Vent Protocol



The GO2VENT is (oxygen operated ventilator) is the newest version of the Vortran medical single patient use, disposable resuscitator. It provides “hands free” ventilator support via a secure airway using a continuous oxygen source. The GO2VENT device is operated by oxygen with a minimum of 10 LPM flow rates. Since it does not require the use of electricity or batteries, it is an ideal backup ventilator for the management of difficult situations such as, mass casualties, natural disasters, disease outbreaks, major power outages and is the perfect solution for transportation needs, whether in or out of the hospital.

### Indication for use:

- This device is to be used by properly trained personnel to deliver emergency, short term, constant flow, pressure cycled ventilator support on patients weighing 10kg and above.

### Contraindications

- Less than 10kg patient

### Precautions

- Patients connected to this device are to be monitored continuously by person having adequate training.
- When ventilating an intubated patient, higher pressure release settings may be required. Select a pressure setting of 35 cm H<sub>2</sub>O.
- An audible rapid clicking sound and rapid movement of the diaphragm in the modulator indicates airway obstruction.

### How to use the device:

- Select 100% or 50% FIO<sub>2</sub> delivery:
  - A. If 100% is to be delivered the patient, connect tubing to the DISS thread connection on the patient tee. Ensure that the green knob is turned clockwise until it comes to a stop this is 100%.
  - B. If 50% is to be delivered the patient, connect tubing to the DISS thread connection on the patient tee. Ensure that the green knob is turned counterclockwise until it comes to a stop this is 50%.
- Set desired inspiratory flow rate – a good starting flow is between 10 to 25 LPM. Adjust as needed. See Entrained flow chart:

### Entrained Flowchart

SupplyFlow LPM	Entrained Flow LPM	Total Delivered flow LPM
6	14	20
8	17	25
10	20	30
12	23	35
15	25	40

- Verify PIP pressure at approximately 25 cm H<sub>2</sub>O (factory pre-set). Adjust pressure dial to achieve desired peak pressure.
  - A. Indicated pressures are approximate and may vary depending on conditions and setting.
  - B. For use with a mask, clear mouth and airway of visible foreign bodies and use accepted techniques to ensure correct position of airway. Hold mask firmly against face ensuring a tight seal while positioning of the head to maintain an open airway. When using an ET, connect patient adaptor directly to ET.
  - C. PEEP is about 1/5<sup>th</sup> of PIP. Indicated pressure are approximate and depend on conditions and settings.
- Adjust exhalation rate dial to achieve desired respiratory rate. Additionally you may increase or decrease supply flow rate to achieve a faster or slower respiratory inspiratory rate. The device may enter into a spontaneous “pressure assisted” mode (mandatory rate stops), when adjusting rate dial clockwise or with changing conditions. To return to automatic cycling, rotate rate dial counterclockwise until desired mandatory respiratory rate is achieved.
  - A. Observe rise and fall of chest corresponding to patients inhalation and exhalation. Listen for expiratory flow from modulator. Listen to chest sounds.
  - B. Changes in patients lung compliance will result in respiratory rate changes in such an event, make appropriate clinical changes.