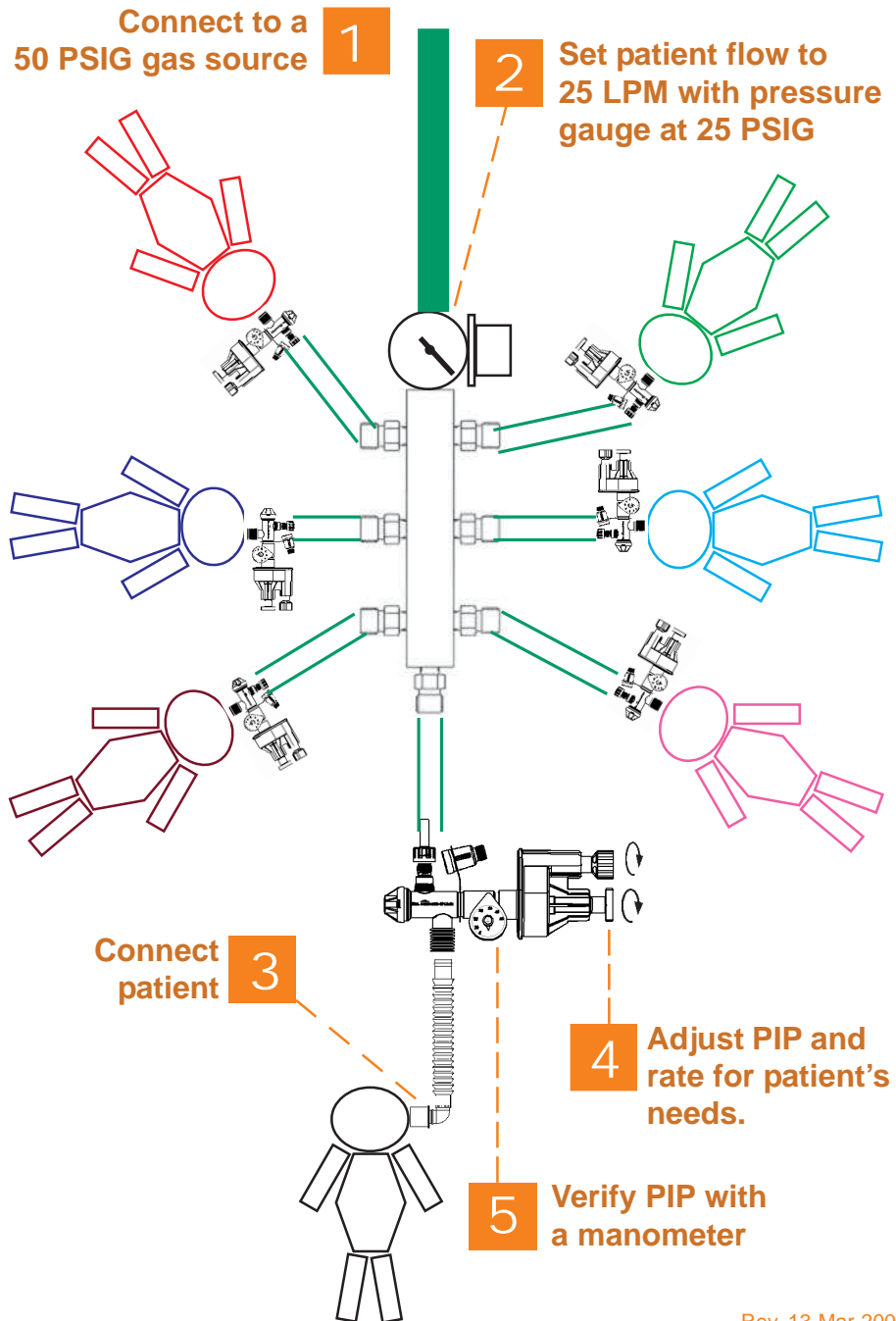


## Multiple VARs Quick 5 Step Setup Guide



Rev. 13-Mar-2006

## E-Vent Case™



**Prepare for a  
Major  
Ventilator  
Emergency**

Call (800) 434-4034 or visit our  
website at [www.vortran.com](http://www.vortran.com)  
E-vent Case Order No. 4060

- Uses a single gas source for multiple ventilators in Mass Casualty Incidents (MCI)
- Includes a 7 port multi-outlet manifold and a 20' oxygen supply tubing
- Organized for rapid deployment
- Holds up to 10 VORTRAN Automatic Resuscitator (VAR) \*  
(\* VARs sold separately)
- Easy to set up



1. Set manifold regulator supply pressure to 25 PSIG.
2. Ensure that patient receives ~25 LPM of inspiratory flow.
3. Verify PIP for each VAR at 25 cm-H<sub>2</sub>O.  
Adjust for individual patient's needs.



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## Setting up E-Vent Case with Multiple VARs

**CAUTION:** Review and follow instructions and warnings in the package instruction sheet before using the VORTRAN Automatic Resuscitator (VAR™)

- 1** Case No. 4060 includes:
- 7 port manifold (1 each)
  - 20' oxygen tubing (1 each)



- 2** Connect the 20' oxygen tubing to the gas source (gas cylinder or wall outlet) and purge tubing.



- 3** Connect opposite end of oxygen tubing to manifold inlet.



- 4** Adjust pressure regulator on manifold to 25 PSIG.



- 5** Before connecting patient, purge each port by depressing valve center.



- 6** Connect one end of the 7' oxygen tubing to VAR DISS fitting.



- 7** Connect the other end to one of the open ports on the manifold.



- 8** Verify and re-adjust supply pressure on the manifold to approximately 25 PSIG.



## Adjusting VARs for Each Patient

**CAUTION:** Follow instructions and warnings in the package instruction sheet before using the VORTRAN Automatic Resuscitator (VAR™)

- 9** Adjust Peak Inspiratory Pressure (PIP) of each VAR by turning the rectangular PRESSURE dial on each patient.

NOTE: Verify PIP with a pressure manometer.



- 10** Set patient's respiratory rate (RR) by adjusting round RATE dial.

- Turn dial clockwise (inward) = slower rate
- Turn dial counter clockwise (outward) = faster rate



- 11** For FiO<sub>2</sub> delivery of 100% - connect onto the green color fitting.

For FiO<sub>2</sub> delivery 50% - remove green fitting and connect to gray color fitting (as shown).



- 12** Adjust flow rate for desired inspiratory time (I-time).

- Increase flow = shorter I-time
- Decrease flow = longer I-time



- 13** Re-adjust rate dial. Because the VAR is pressure cycled, changes in the patient's lung compliance will cause a change in the patient's breathing rate. In such an event, make the appropriate clinical changes.

NOTE: The VAR is positional sensitive. Final rate adjustments should be made with the VAR in its secured operating position.

- 14** Estimate delivered flow rate (LPM) for each patient.

NOTE: All patients on the same manifold system will receive the same amount of flow and is estimated to be within ±15%.

Delivered flow	Set manifold pressure	
	100% FiO <sub>2</sub>	50% FiO <sub>2</sub>
20 LPM	25 PSIG	10 PSIG
25	30	20
30	40	30
35	45	40
40	50	50