Connect and Set up the Ventilator

1. How do I connect the ventilator? (Image A)

› Connect 1 to wall or cylinder, oxygen only

› Connect 2 to pressure monitoring line

› Connect 3 to patient breathing circuit
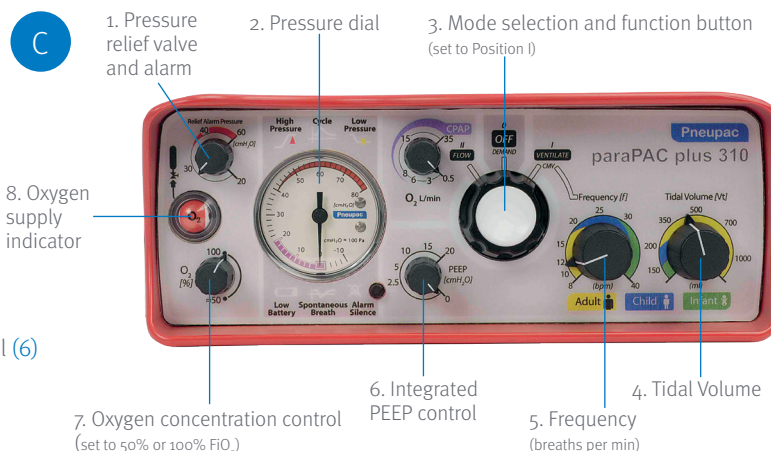
2. How do I set up the breathing system and the HME filter? (Image B)

› Attach patient breathing circuit to the connection (3)

› Attach the monitor line to the pressure monitoring connection (2)

A

270-600 kPa
40-90 psi
CPAP / O₂ Therapy
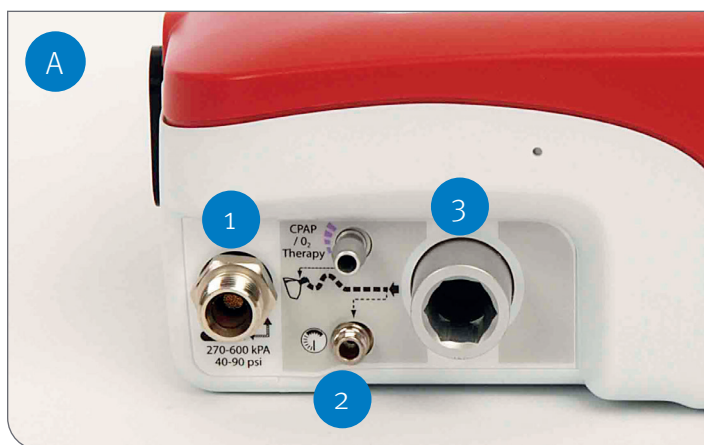
1. Oxygen supply gas inlet connection

2. Pressure monitoring connection manometer

3. Patient outlet connection

B

Endotracheal Tube
HME/Filter
Patient Valve
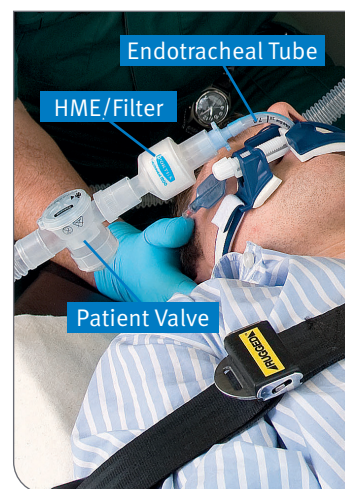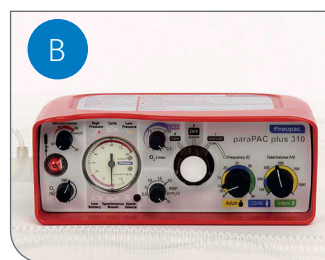
Set the controls on the pneupac paraPAC Plus P310 ventilator

3. What controls does the ventilator have? (Image C)

› Set mode to ON and select Position I for continuous mandatory ventilation (3)

› Oxygen concentration: select 50% or 100% (7)

› Frequency knob controls breaths per minute (5)

› Tidal volume knob alters the gas volume to patient (4)

› Pressure is displayed on the pressure dial (2)

› Pressure can be adjusted using the relief alarm pressure control (1)

› Positive expiratory pressure can be adjusted using the PEEP control (6)

› The ventilator maintains a 1:2 I.E. ratio; 1-part inhalation, 2-parts exhalation. The time of each phase is determined by the flowrate required to deliver a selected number of breaths and tidal volume

C

1. Pressure relief valve and alarm

2. Pressure dial

3. Mode selection and function button (set to Position I)

8. Oxygen supply indicator

7. Oxygen concentration control (set to 50% or 100% FiO₂)

6. Integrated PEEP control

5. Frequency (breaths per min)

4. Tidal Volume

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# Operating the pneupac paraPAC Plus P310 ventilator

4. How do I select the mode?

› Set mode to ON and select Position I for continuous mandatory ventilation

1. How do I set the parameters? (Image C)

› Set frequency and tidal volume (4 and 5)

› Set parameters appropriate for patient (yellow for adults)

› Set maximum pressure limit between 20 and 60 cmH$_2$O using the relief pressure control (1)

› Positive and expiratory pressure can be adjusted using the PEEP control (6)

› Set oxygen percentage to either 50% FiO$_2$ or 100% FiO$_2$, using the Air-Mix control (7)

1. Pressure relief valve and alarm
2. Pressure dial
3. Mode selection and function button (set to Position I)
8. Oxygen supply indicator
7. Oxygen concentration control (set to 50% or 100% FiO2)
6. Integrated PEEP control
5. Frequency (breaths per min)
4. Tidal Volume

6. How do I check the device?

› Attach the pressure monitor line to the ventilator via the pressure monitoring connection (Image A)

› Once the mode is set, check alarm indicators flash in sequence (Image D), clockwise from high pressure

› Once frequency and tidal volume are set, cover connection port, check peak inflation pressure. The pneumatic alarm sounds and high-pressure alarm shows red
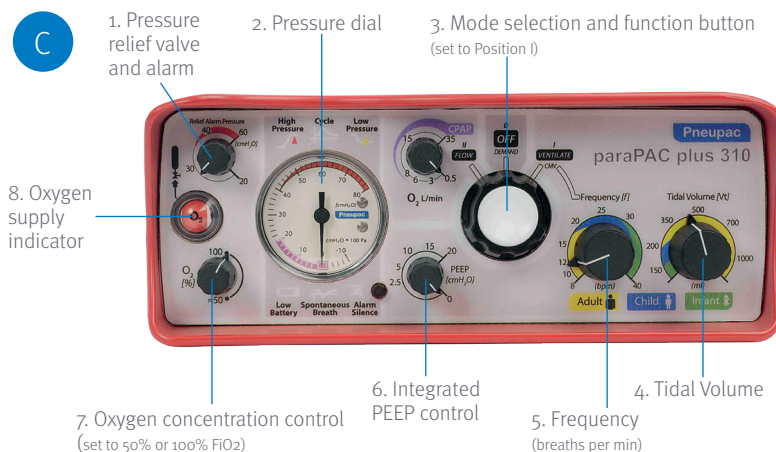
7. What do the alarms mean? (Image D)

1. Pressure jumps excessively at beginning of inspiration (1)

› Airway obstruction

› Flow rate is too high; decrease tidal volume setting

2. Pressure jumps excessively at the end of inspiration (1)

› Tidal volume setting is too high; decrease tidal volume or frequency setting or

› Could be caused by mucous plugging; patient requires suctioning

3. Sudden increase in patient airway pressure (1)

› Tube kinking, patient coughing, lessening of sedation causing asynchrony or other obstructions

4. Inflation pressure too low (3)

› Leak in the circuit or disconnection from patient; check hose or connection leaks

› Check that ventilation parameters

Rx Only. For safe and proper use, refer to the appropriate manual, guide, or instructions for use. Figures are rendered as graphic representations to approximate actual product.

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