



#### **CONNECT AND SET UP DEVICE**

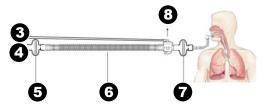
- How do I connect the ventilator? (Image A)
- Attach oxygen from wall or cylinder via flowmeter to 1 Turn on and run device before starting Oxygen flow and turn off when not in use.
- Connect power cable to 2
- Connect patient breathing system to 4
- If exhalation valve breathing circuit is used, connect pressure tube to



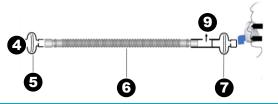
- Oxygen inlet port
- 2 Mains / DC electrical inlet
- 3 Exhalation valve control pressure tube
- Air outlet

- How do I set up the breathing system and the HME filter? (Image B)
- Connect bacterial filter 5 to air outlet 4 and attach tube 6
- For invasive VCV, connect exhalation valve 3 to exhalation valve control pressure tube 3
- For non-invasive CPAP use leak circuit
- Connect HMEF / bacterial filter to patient 7
- Air outlet
- Bacterial filter
- **6** Ventilation tube
- HMEF / bacterial filter
- 8 Exhalation valve
- Leak

# For invasive VCV - single limb exhalation valve circuit



For non-invasive CPAP - single limb leak circuit



#### **SET THE CONTROLS ON THE DEVICE**

Navigation system for setting controls (Image C)

Please see default settings labelled on the device.

In VCV the following parameters can be controlled:

- Breath rate setting (BPM)
- · Tidal volume
- EPAP setting (**PEEP**)
- Oxygen flow (via flowmeters) (FiO2)
- Select parameter using 1
- Adjust and confirm using

The following parameters can be monitored:

On screen @:

Respiratory Rate; Vti/Vte; Circuit leak; MVi/Mve; Peak pressure; Peak flow



- Mode
- Treatment settings
- 12 Menu
- 13 Navigation buttons (+ / / Set)
- 14 Monitoring screen





#### QUICK START GUIDE

#### **OPERATE THE DEVICE**



## How do I select the mode? (Image C)

- Press and hold Plus and Minus together for 3 seconds to unlock
- Press Mode 10, use 18 to select and confirm volume controlled ventilation
- Other modes are available: VCV; PSV; SIMV CPAP
- The On/Off button and the Start/Stop button are the same:
  - Press once to switch ON
  - Press and Hold for 5 seconds to START
  - Press and Hold for 5 seconds, and press 'Set' to confirm to STOP

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#### How do I change settings? (Image C)

- Press and hold Plus and Minus to unlock
- Select clinical parameters 11 and use 13 to adjust and confirm changes
- In VCV mode: set tidal volume, EPAP (PEEP) and BPM
- Set oxygen flow via flowmeter This <u>must not</u> exceed 15 L/min
- Use pulse oximeter to monitor patient oxygen requirements
- In CPAP mode: flow will be automatically be adjusted to maintain set CPAP level



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#### How do I check the device?

- Press and hold Start/Stop until progress bar is filled
- Check alarm LEDs flash and are audible
- Disconnect power; check device switches to internal battery and "lost mains power alarm" activates
- Reconnect power; check device switches to mains and information message is shown
- In the Main Menu, select "Pre Use Test" > "Start Pre Use Test"
- · Connect patient circuit and wait for device to check resistance
- Block end of patient circuit and wait for device to check compliance and leakage
- After mode and settings are selected, attach test lung to end of patient circuit and observe function prior to connecting patient

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#### What do the alarms mean?

Default activated alarms:

- · High flow: Check for leaks in patient circuit, coughing or airway resistance
- Low flow: Check for obstructions in patient circuit
- · High pressure: Check for coughing or airway resistance
- · Low pressure: Check for leakage or disconnection of patient circuit
- High Vti: Check pressure and leakage
- · Low Vti: Check changes in in airway resistance and compliance
- · High Vte: Check patient circuit is correct
- · Low Vte: Check leakage and changes in in airway resistance and compliance
- · Disconnection alarm
- Rebreathing alarm: Check if CO2 leak port is blocked

### RESTRICTED DEVICE ONLY for use in COVID-19 pandemic ONLY to be used for emergency ventilation.

- · ALL adverse incidents must be reported to MHRA on 0800 731 6789
- · Manual back up ventilation must be available







Follow instructions for use







Latest training information can be found on:

https://portal.e-lfh.org.uk/Component/Details/606835

24-hour helpline number: 01455 849199