

**The Lane Fox Respiratory Unit**

# **S9 VPAP<sup>TM</sup> S ventilator and H5i humidifier**

**Patient start-up user guide**

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This guide is for the set-up and daily use of your S9 Vpap™ S and H5i humidifier equipment. For full details, please refer to the manufacturer's instruction manuals inside your ventilator bag.

## What is bi-level ventilation?

Bi-level ventilation is used to mechanically assist breathing. It is called bi-level because it delivers two levels of air pressure; a higher pressure during the 'breathing in' phase, and a lower pressure during the 'breathing out' phase. The air is delivered through a single piece of tubing with a close fitting mask connected at the end.

## What is included in your bag?

In your bag you will find:

- your S9 VPAP™ S device
- H5i humidifier
- mains cable
- air tubing
- mask
- inlet filters
- manufacturer's instruction manuals.

## S9 VPAP™ S and H5i humidifier setup

First, find a safe area by the side of your bed to place the S9 VPAP™ S unit. The device should be lower than your body position when you are lying in bed. This reduces the risk of the unit falling or being pulled onto you. It also prevents any excess water from the humidifier passing through your tubing and dripping onto your face during the night.

1. Align your humidifier with the S9 VPAP™ S unit as shown below and push them together until they click into place.
2. Connect the round plug of the power supply unit to the rear of your S9 VPAP™ S unit.
3. Connect the power cord to the power supply unit.
4. Plug the other end of the power cord into a mains power outlet.
5. Connect your air tubing firmly into the air outlet.
6. Connect your mask to the other end of the air tubing.

**The mask shown is for illustration purposes only.  
Your own mask may differ from this.**



7. Fill your humidifier water tub following the instructions below:

- Slide the latch and lift open the lid.
- Remove the water tub from the unit.
- Fill the tube (through the centre hole) with water up to the maximum mark.
- Place the tub back into the unit.
- Close the flip lid ensuring that you hear it click into place.




8. Turn the mains power on. Your S9 VPAP<sup>TM</sup> S unit should now show the following display. This is your **home menu**.



9. Attach your mask. It's very important that the mask is air tight against your face with no leaks to allow the S9 VPAP™ S to deliver your prescribed pressure. Fit your mask as previously instructed and do not apply any moisturiser or face creams. Please refer to your mask user instructions for further information.

## Controlling the humidity level


A humidifier is a device that is sometimes used in addition to bi-level ventilation to add extra humidity to the air that is being delivered. It uses a heater plate to warm water contained in a small dome

The level of humidity is adjustable and is entirely dependant on your own feeling of comfort. Once the  button is pressed the humidifier setting will become active. Use the dial to adjust the level of humidity.



If there is **excessive** moisture in the mask or tubing, the temperature of the humidifier needs to be **reduced**. Alternatively, if you still experience oral or nasal **dryness** and there is no condensation in the tubing, the temperature needs to be **increased**. You can adjust the humidity setting between 0-six, six being the highest.


## Starting treatment

Once you are comfortable press the  button to start treatment. Air will be delivered from the S9 VPAP™ S unit at your maximum pressure. Alternatively use the 'Ramp' setting, which is explained below.

### What is 'Ramp' time?

This is where your S9 VPAP™ S unit will start on a lower pressure. The pressure will then build up to your prescribed pressure over a period of time. This helps make the beginning of your treatment more comfortable and enables you to fall asleep. This time period can be adjusted between 0 and 20 minutes in increments of five minutes.

## Stopping treatment

To stop your treatment at anytime, press the  button.

## Looking after your equipment

### Daily

- Wipe the inside of the mask with a damp cloth or non-alcoholic wipe.
- Remove the humidifier dome, empty the water, rinse and refill to 'max' line.

### Twice a month

- Disconnect tubing, mask and chamber from the device and submerge in warm water with sterilising fluid for 30 minutes. Then rinse thoroughly with cold water and hang to dry.
- To prevent limescale build-up, remove the humidifier chamber and add one part white vinegar to two parts hot water and leave to soak for two hours. Rinse well before use.

## Monthly

- Replace the inlet filter at the rear of the device.
- Wipe down the device and humidifier with a damp cloth or antibacterial wipe.

## Contact us

If you experience any problems or have any difficulties with your equipment please call the Lane Fox Unit technical services on 020 7188 3440 (Monday to Friday 8am-5pm)

If your query is related to the mask, clinical issue, or an urgent technical issue outside of office hours, please call the Lane Fox Ward on 020 7188 3434/5. This number is available 24 hours a day.

For more information leaflets on conditions, procedures, treatments and services offered at our hospitals, please visit [www.guysandstthomas.nhs.uk/leaflets](http://www.guysandstthomas.nhs.uk/leaflets)

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