

RESMED VPAP III Ventilator

****TO ENTER THE CLINICAL MODE AND MAKE PARAMETER CHANGES SWITCH THE MACHINE ON AND WAIT FOR IT TO COMPLETE ITS SELF TEST, THEN HOLD DOWN THE RED SELECTION KEY AND THE BLACK DOWN ARROW KEY UNTIL “CLINICAL MENU WELCOME” APPEARS ON THE SCREEN****

Patient and Clinical Menus

The VPAP II ventilator has 2 menus:

Patient menu – the patient is able to start and stop the machine and view measured values when running. Only the ramp adjustment (if required) is available. When the VPAP is running the patient menu will display treatment screens giving you information about the delivered VPAP settings.

Clinical menu – access to all settings, including modes and alarms

When you switch the machine on it will always come on in the patient menu.

To enter the clinical menu hold down the red key and the black down arrow for a few seconds. “CLINICAL MODE WELCOME” will appear on the screen. Follow the on screen instructions and use the red and green keys and up and down arrows to make changes.

Available Ventilation Modes

CPAP (Continuous Positive Airway Pressure)

Set CPAP to deliver the set CPAP you require. A continuous flow runs through the circuit in which the patient can take spontaneous breaths. The CPAP setting is the only one you need to make any adjustment to.

TIMED

An IPAP, EPAP, and BPM (breaths per minute) are set. The machine delivers the set BPM at timed interval regardless of patient effort. Inspiratory Time is set with IPAP max (seconds). If the patient wants to spontaneously breath they can draw from the continuous flow in the circuit.

SPONTANEOUS/TIMED

An IPAP, EPAP, and BPM (breaths per minute) are set. The set BPM will be delivered if the patient’s own breath rate falls below the set back-up rate. In inspiration the time at the IPAP level is limited by the IPAP max (seconds).

SPONTANEOUS

This is a complete spontaneous mode with no back up if patient goes apneic. You set an IPAP and an EPAP level. Each time the patient triggers the machine it will deliver the set IPAP level. You must also set an IPAP max (seconds). This adjusts the maximum Inspiratory Time

Controls and Additional Features

The Clinical Menu contains the following options:

- Settings
- Results
- Alarms
- Options
- Servicing

The only 2 modes you will require are Settings and Alarms. Do not make changes to settings in the other options

□ Settings

This is where you select the required mode and parameters. The 4 modes and main parameters are listed above. There are also additional features that you can change if necessary. A list of these options is given below. Some features have default settings that do not need to be changed.

Mode -	Allows you to adjust mode. Options are: CPAP, Timed, Spontaneous Timed and Spontaneous
IPAP -	IPAP pressure, adjustable between 2 – 30 cmH ₂ O
EPAP -	EPAP pressure, adjustable between 2- 25 cmH ₂ O
Resp rate -	Adjustable between 5-30 bpm (breaths per minute)
Rise Time -	Time taken to rise from EPAP to IPAP in milliseconds
IPAPTime –	Sets the total inspiratory time
IPAP Max -	Sets the maximum time the VPAP will remain in inspiration, after this time the machine will switch to expiration
IPAP Min -	Sets the minimum time the VPAP will spend in inspiration
Trigger -	Sets the sensitivity for the triggering threshold, triggering occurs when the inspiratory flow increase above a certain level. At this point the VPAP changes from EPAP to IPAP
Cycle -	Sets the sensitivity for the cycling threshold. Cycling occurs when the the inspiratory flow decreases between a certain level. At this point the VPAP changes from IPAP to EPAP
Smartstart -	When activated the machine automatically starts when the patient breaths into the mask and stops when the patient removes the mask. Leave switched OFF
Mask -	Selection of mask type. Use Mirage full face option
Humid -	Humidifier selection. Use humidaire option
Tube length -	Length of tubing between machine and mask. Use 2m option
AB Filter -	Adjusts to accommodate for the use of an antibacterial filter. Leave on YES
Max ramp –	Sets the ramp time if this function is being used. Leave as OFF
Start CPAP / EPAP -	Sets the start pressure for the ramp feature

WHEN YOU MAKE ANY CHANGES YOU MUST REMEMBER TO PRESS **APPLY TO ACTIVATE THE CHANGES**

❑ Alarms

The VPAP III has 5 alarms The alarm mute button silences any alarms for 2 minutes, an LED will also flash indicating an alarm condition. The cause of the alarm will be identified on the LCD screen

Mask Alarm -	Alarms if the patients mask falls off or if there is excessive leak from the mask or mouth. This alarm can be switched on or off
Low Pres -	Sets the maximum allowed drop in pressure with reference to the set CPAP or IPAP. Can be set from -2 to -10cmH ₂ O drop below the set CPAP/ EPAP. The alarm is activated when the pressure drops by more than the set level for 30 seconds
High Pres -	Sets the high-pressure limit. The alarm is activated when the pressure increases above the set limit for 700mS
Low MV -	Sets the minimum Minute ventilation. Activates when the measured value drops below the alarm limit for 30seconds. Can be switched off or set between 2-10L/min.
NVENT Alarm	Enables or disables the non-vented mask alarm. Leave this option switched OFF

-

❑ Quick View Key

From the Clinician menu the quick view key takes to immediately to the treatment screens with information on your current therapy. Pressing the Quick View key again will take you back to the Clinician menu. As long as you do not exit the clinician menu you can continue to move between the clinician menu and treatment screens by pressing the quick view key

❑ Maskfit option

The maskfit option allows you to check how well the patients mask fits.

You must be in the patient mode to use this feature. When you are ready to start the VPAP, attach the mask to the patient. Hold down the start/stop key for 3 seconds and the maskfit option will be activated. MASKFIT will be displayed on the screen along with a number of starts indicating how well the mask fits. Adjustments can be made to get the best fit. Press the Start/ Stop key to stop when you have the mask correctly positioned.

You can now press start to activate therapy.

Basic Set-up procedure

- ❑ Switch on the VPAP
- ❑ Enter the Clinical mode and set the appropriate settings. Remember to press apply to accept any changes you make.
- ❑ Once you are happy with the settings attach the mask and press the Start/Stop key to begin ventilation A green LED will light up to indicate that the VPAP is operating

You must stop the VPAP before turning off at the mains; an alrms occurs if this is not done!!