



Rocket® Quick User Guide



Rocket® PSU™ Portable Suction Unit





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Charging the PSU

IMPORTANT:
The suction unit battery is not charged.

DO NOT CONNECT TO A PATIENT IMMEDIATELY UPON OPENING.

1. Remove all packaging for the device and the power supply.
2. Connect the correct mains lead to the supplied 18V power supply module and connect to an electrical supply.
3. Connect the power supply to the PSU, the power supply connection port is on the back of the device.

It is protected, and is behind the door marked. 

4. Charge the device for approximately, 3hrs until the battery display is full. 

Changing the clock time

Please check the time on the device and if required change to local time.
The clock time can be changed in 2 ways:

1. On the new patient screen press button 1 and while holding button 1 press button 3.



2. By using the software program – see full operators guide for instructions on how to do this.



Attaching the suction unit to the chest drain bottle

1. Remove red bayonet sealing cap by rotating anti-clockwise from “CLOSE” to “OPEN” position.
2. Prime the bottle with 500mls of sterile water attach tubing set to bottle by inserting straw and cap into aperture and twisting clockwise until clicked shut. Take care not to touch the straw.
3. Once underwater seal has been established, place bottle on the floor and connect drainage catheter to tubing connector.
4. Remove the handle and the **green** venting cap from the chest drain.
5. Unwrap the filter from packaging.
6. Place filter on to the suction port of the R54500 or R54509 Chest Drainage bottle.
7. Ensure when placing the filter the location peg is placed in the aperture which the green venting cap was in. The PSU™ can now be attached to the chest drain bottle.



IMPORTANT: R54571 filter must be changed every 24hrs

CAUTION: If the filter is contaminated by fluid, the level of suction could be compromised. The filter is designed to protect the pump mechanism from fluid ingress. If contaminated, the filter set **MUST** be replaced immediately.

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8. Place the PSU[™] over the filter unit, so the filter will fit into the filter recess under the suction unit.
9. Place the PSU[™] onto the chest drain unit. With slight downward pressure rotate the locking ring clockwise (when facing the unit) so that it locks into position.





Operating instructions



1. Press  for longer than 2 seconds to turn the device on.



The unit will begin a self-test.

If the self-test is unsuccessful see the trouble shooting instructions on page 26 in the Operators guide.

During set up you can confirm or cancel your decisions using the three buttons at the side of the screen.

2. Verify if the PSU™ is connected to a new patient.

THIS INFORMATION IS IMPORTANT FOR THE DATA READING & RECORDING.

-  YES – New patient number is issued.
-  NO – Patient number is unchanged:





Recommended for continued treatment of the same patient.


Data recording is continued.


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If you press  you will progress to the next screen.


Please verify that you have changed the filter, by pressing  or  to confirm your decision.


If you press  you will be taken to the next set up screen.

If you press  you will be asked to change the filter and the unit will shut down.

Remove the suction unit and change the filter as per the instructions, re-fit the PSU[™] to the chest drain bottle and switch on the unit again to restart the set up process.

If you press  you will be asked to confirm if you need to change the filter.

If you have changed the filter press  and you will then be taken to the next set up screen.

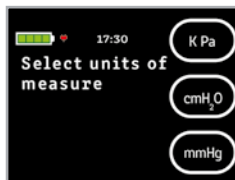
If the filter requires replacing press  you will be asked to change the filter and the unit will be shut down.

Remove the suction unit and change the filter as per the instructions, re-fit the PSU[™] to the chest drain bottle and switch on the unit again to restart the set up process.



Operating instructions continued

3. Confirm your unit of measurement. The PSU™ can measure – ve pressure in KPa, cmH₂O and mmHg.




4. You will be asked to confirm your decision.



5. Set the amount of suction required.
Using increase or decrease buttons until you are at a level you deem satisfactory.


The levels of suction applied increase in -0.5KPa, -5cmH₂O and 3.75mmHg increments.

There is a gravity drainage setting of 0.25KPa.


When you are happy with the set level of suction press .

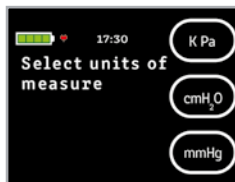


6. You will be asked to confirm your decision.

If you press  you will be taken back to the previous screen where you can confirm your preferred unit of measurement.



Pressing AND holding  for over 2 seconds will commence the application of suction to the chest drain unit and to the patient.



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Changing suction levels

If at any time the level of suction required needs changing then press buttons 2 & 3 together for longer than 2 seconds. This will return you to the suction level setting screen.

Repeat instruction number 5 to change the level of suction required and instruction 6 to confirm.

When the suction unit is in situ and suction is applied 4 different display modes are available to view.

Scroll through the 4 screens by pressing button number 1.

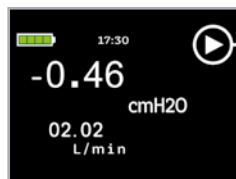




Information screens

Screen 1

Suction level and flow rate. The flow rate, is the volume of air being removed by the pump in L/min.



Screen 2

Suction level and time of suction applied.

Screen 3

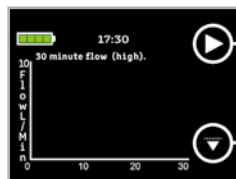
Flow vs Time Graph.

The graph shows the flow and pressure progression as a function of time.

You can rotate through 3 different screens, by pressing the bottom button. 

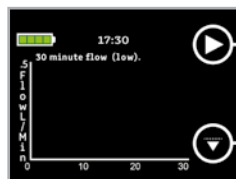
Screen 1: 30 Minute Flow (high)

The screen shows up to 30 minutes of use. Flow is measured from 10L/min.



Screen 2: 30 Minute Flow (low)

The screen shows up to 30 minutes of use. Flow is measured from 0.5L/min

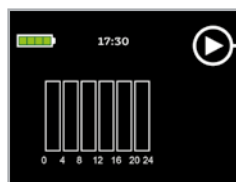


Screen 3: Previous Minutes Flow

This screen shows the previous 1 minute of use. Flow is measured from 0.5L/min (screen not shown)

Screen 4

Air leak indicator, if the patient has a 4 hour period where the suction pump is not engaged, this is classed as the patient having no air leak, the indicator will change colour. This will scroll through as each 4 hour block passes. This is an indication only, further clinical checks should be performed; such as an x-ray prior to chest drain removal.



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Information screens continued

Fall and Tilt Information

If the PSU and chest drain unit tip or fall over the following screens will show and an audible alarm will sound.

If the tilt screen is showing the screen and alarm will switch off automatically when the device is placed upright again.


The PSU will continue at the programme suction level.


If the fall screen is showing, you will be asked to check the filter and then switch off the alarm and screen manually.

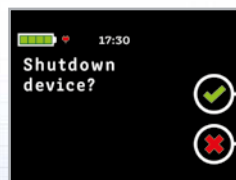
The PSU will continue at the programme suction level.



Switching the unit off

When this has been completed turn the device off by pressing and holding  for longer than 2 seconds.

Press  to shut down device.



Disconnecting the suction unit from the chest drain bottle

With slight downward pressure rotate the locking ring anti-clockwise.

1. Lift for chest drainage bottle.
2. Remove filter from bottle and dispose of.
3. Recharge PSU[™] in preparation for next use.



*For all your Rocket® PSU Portable Suction Unit
service enquiries, please contact:*

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