

# CPAP / BIPAP

How to set up Cpap / Bipap

Using the VIVO 40 by Breas

Using a wet circuit

This is the VIVO 40  
Cpap/Bipap machine

It is stored in Picu's  
equipment cupboard  
behind the nurse's  
station

It should always be  
stored plugged into  
the mains socket



A filter should be attached to the outlet pipe at the back of the machine



Fit a Respironic  
Whisperflow filter  
FDE010  
found in Picu's  
storecupboard



Use an Intersurgical Cpap breathing System, attach one end of the white tubing to the filter at the back of the machine



and the other end  
of the white  
tubing to one of  
the inlets on the  
top of the  
humidification  
chamber



Fit humidification chamber on to the top plate of a Fisher Paykel humidifier



Attach the elbow connection of the green tubing in the Cpap Breathing System to the second inlet on top of the humidification chamber



The green tubing should contain heating wires and be covered with a plastic sleeve for insulation



2 wires are connected to the right side of the Fisher Paykel humidifier.

Take the uppermost grey wire leading from the yellow disc  
This wire divides into 2, select the wire with the 3 hole trefoil end



Insert the 3 hole trefoil end of the wire into the trefoil hole which is located in the end of the elbow connection of the green tubing now attached to the top of the humidifier chamber



Take the lower wire on the right side of the Fisher Paykel humidifier leading from the blue disc and insert the blue ended T piece into the side of the elbow connection carefully aligning the blue v shape into the v slot in the hole



Push the blue T piece firmly into the clear v shape of the upright connecting the humidifier to the green elbow



You now have 2  
grey wires  
attached to the  
elbow between  
the humidifier  
and the green  
tubing



Take the long end of the second grey wire continuing from the blue V attached to the green elbow above the humidifier



Push the blue probe into the hole found at the far end of the green tubing as shown



Use a Respironics  
Disposable Exhalation  
Port, found in the PICU  
store cupboard  
FDE086



Connect exhalation  
port onto the far end of  
the long green tubing  
next to the long grey  
humidifier wire  
Attach firmly



If the patient needs Oxygen, attach one end of the green oxygen tubing to the flow meter on the wall and connect the other end to the small upright tube on the exhalation port



Attach the green oxygen tubing firmly  
Leave the hole in the opposite side of the port free



Measure the patient face using the guide in the mask packet  
Apply duoderm to patient's face  
Attach the straps to the face or nasal mask and the mask to the exhalation port





vivo

Brighton and Sussex  
University Hospitals  
NHS Trust  
EME06487

Vivo 40

Fisher Paykel  
INTERSURGICAL  
°C