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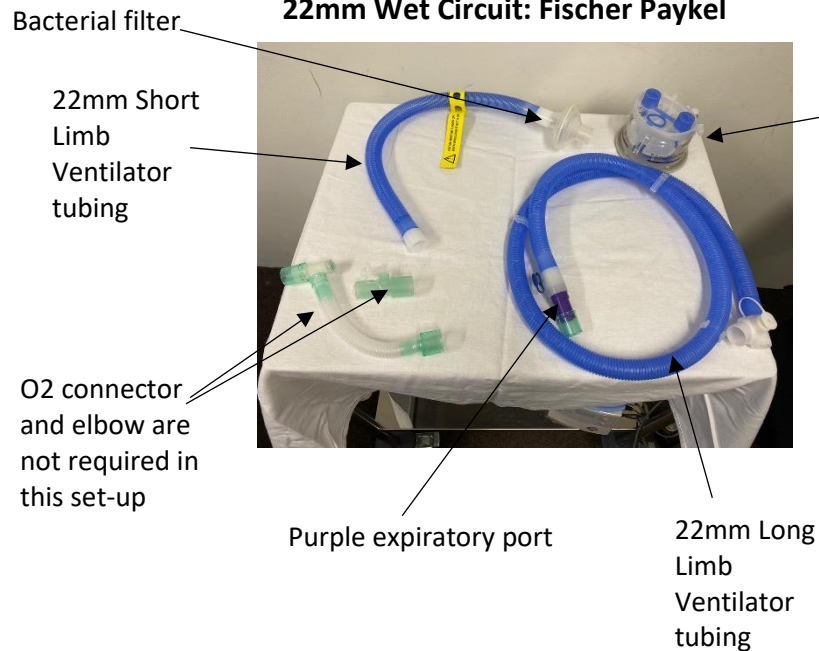


Circuit setup for the NIPPY Junior+

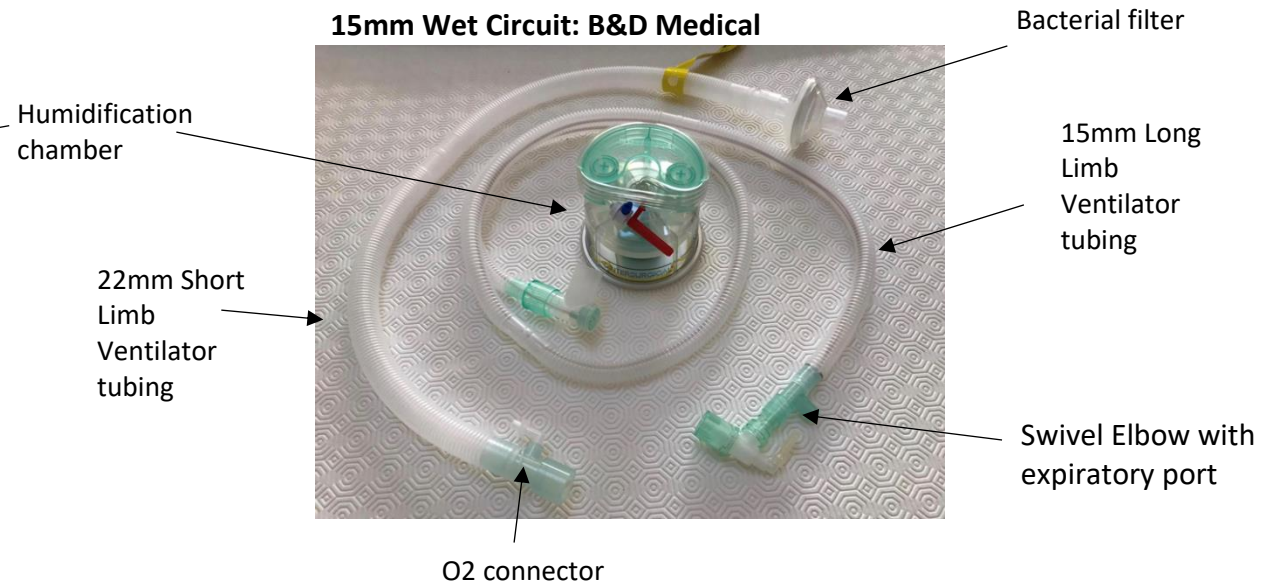
Wet Circuit Set-up for NIPPY Junior+

You will be using either 15mm or 22mm circuits. These are labelled below. The steps for set-up are the same irrespective of the size of tubing you use. Your managing centre will advise on which of these circuits you should use. The contents of each pack are shown below.

22mm Wet Circuit: Fischer Paykel



15mm Wet Circuit: B&D Medical



NB: The Expiratory Port MUST be within the circuit

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When setting up the circuit; start at the ventilator and move toward the patient interface end of the circuit.



- The bacterial filter goes next to the ventilator.
- The ventilator tubing is the 22mm short limb and attaches to the humidification chamber.



- The humidifier must sit **BELOW** or **IN LINE** with the ventilator.
- This stops water from the humidifier running back towards the ventilator.
- The long limb of the vent tubing also connects to the humidification chamber and goes to the patient.



- The heating wire connectors and the ports on the humidifier base are colour coded.
- Match the yellow wire to the yellow port.
- Match the blue wire to the blue port.



- Connect the cloverleaf shaped wire to the base of the long arm of the ventilator tubing

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- The T-shaped connector on the heating wires connects at the base of the tubing.
- Pull out the white plug to allow you to clip the connector in place.
- The connector locks in place, so needs to be pushed in firmly.



- The final connector on the heating wires connects to the patient end of the ventilator tubing by the expiratory port

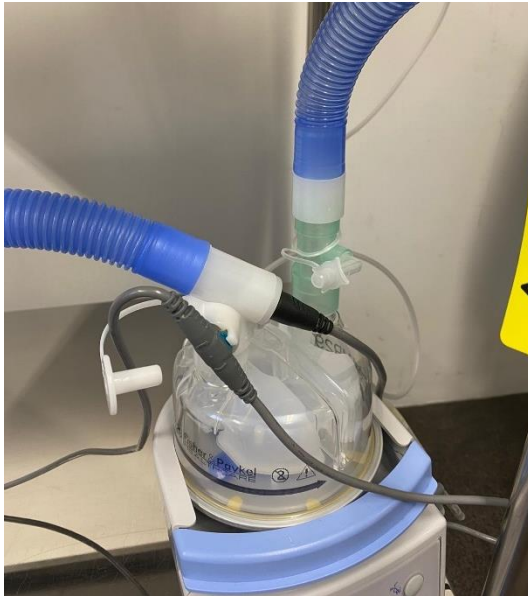


- The final set up should look like as in the image above.
- Sterile Water Inhalation bag added to allow gravity to continue to fill the water chamber on the humidifier.

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How to entrain oxygen into the wet circuit for NIPPY Junior+

There are 2 places an oxygen connector can be placed into the wet circuit. This should be a 22m oxygen connector. This set up is the same irrespective of the child's ventilator circuit size. Please check your local policy for your trusts guidance.



The connector can be placed between the humidifier and the short limb of ventilator tubing



It can also be placed between the bacterial filter and the short limb of the ventilator circuit.

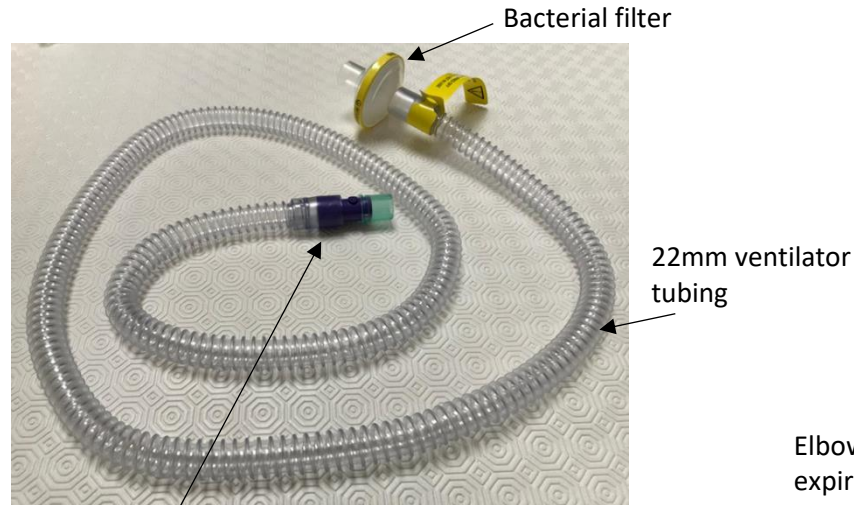
NB: Oxygen should be switched off at the wall prior to turning off the ventilator

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Dry Circuit Set-up for NIPPY Junior+

You will be using either 15mm or 22mm circuits. These are labelled below. The steps for set-up are the same irrespective of the size of tubing you use. Your managing centre will advise on which of these circuits you should use. The contents of each pack are shown below.

22mm Dry Circuit: B&D Medical

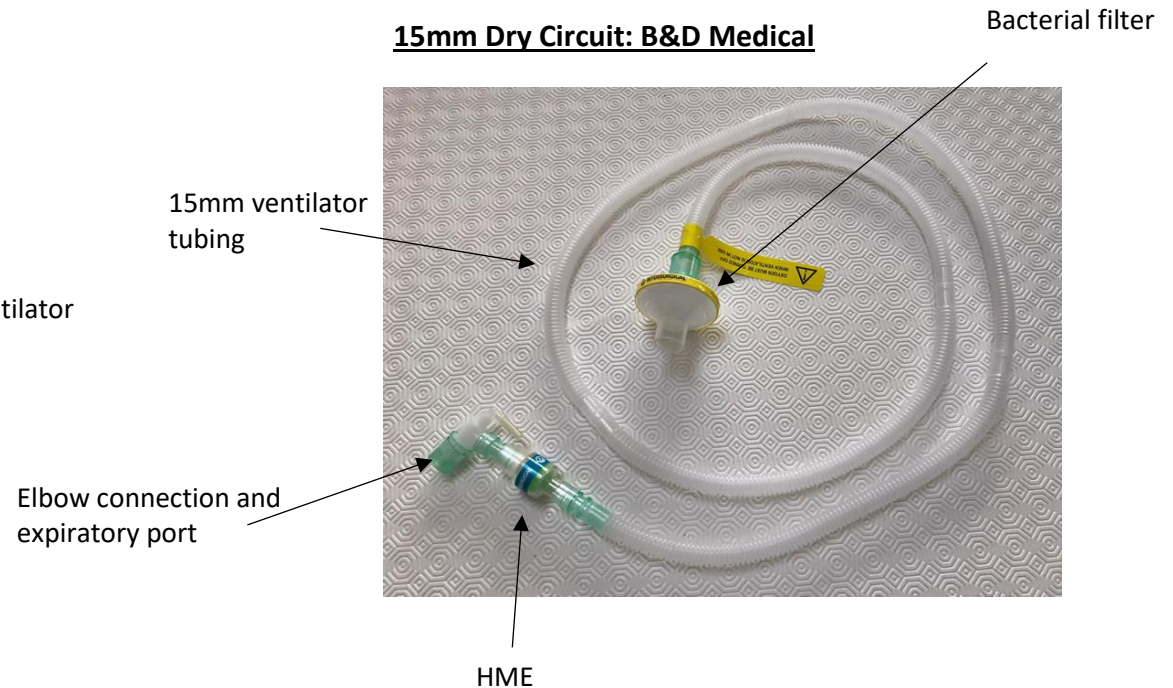


Purple expiratory port



With the 22mm circuit the Heat Moisture Exchanger (HME) is a separate item and connects between the expiratory port and the tracheostomy

15mm Dry Circuit: B&D Medical



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The final set up should look as below



22mm Dry Circuit



15mm Dry Circuit

NB: The Expiratory Port MUST be within the circuit

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How to entrain oxygen through the Dry Circuit for NIPPY Junior+

There are 2 places oxygen can be placed within the circuit. NIPPY advise the oxygen port is placed at the patient end of the circuit. However, in clinical practise you may see it placed in either of the following positions and you should follow your local policy for guidance. The placement is irrespective of the size of the tubing, but the O2 Port connector will be either at 15mm or 22mm. This may come supplied with the circuit or may be an additional consumable.



It can be placed between the bacterial filter and the circuit.



It can be placed at the patient end of the circuit.

NB: The order of the HME/expiratory port/oxygen connector may vary depending on whether you are using a 22mm or 15mm circuit.

NB: Oxygen should be switched off at the wall prior to turning off the ventilator