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## Resuscitation with blended gases

1 message

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Steve Hardaker <steve.hardaker@viamed.co.uk>

Reply-To: steve.hardaker@viamed.co.uk

To: Stephanie.El-Malak@nth.nhs.uk

Cc: Janet.Mackie@nth.nhs.uk, Keith.walker@nth.nhs.uk

6 June 2018 at 11:26

Dear Janet, Stephanie and Keith,

I am contacting you with regards to the Viamed Infant Resuscitation Cabinets that you currently operate within the Trust.

The Trust's cabinets are currently configured to deliver oxygen only, using a TT490-15 Tom Thumb Infant Resuscitator with integral oxygen hose and flowmeter.

In light of the changes made in the latest resuscitation guidelines\*, Viamed recommends that oxygen-only Tom Thumb resuscitators be modified or replaced with a Tom Thumb and Air/Oxygen Blender combination in order to meet these requirements.

\*The Resuscitation Council (UK) Guidelines 2015 - Resuscitation and support of transition of babies at birth, Section 4. Important Guideline Changes:

*"Resuscitation of term infants should commence in air. For preterm infants, a low concentration of oxygen (21–30%) should be used initially for resuscitation at birth. If, despite effective ventilation, oxygenation (ideally guided by oximetry) remains unacceptable, use of a higher concentration of oxygen should be considered. Blended oxygen and air should be given judiciously and its use guided by pulse oximetry. If a blend of oxygen and air is not available use what is available. If chest compressions are administered, supplemental oxygen should be increased."*

<https://www.resus.org.uk/resuscitation-guidelines/resuscitation-and-support-of-transition-of-babies-at-birth/>

I have attached a product information leaflet and catalogue, detailing the Air/Oxygen Blender that we offer: the Bio-Med Devices IHC2003 low-flow blender.

The TT490-15 Tom Thumb Infant Resuscitators can either be converted to model TT480 with a low-pressure tapered gas inlet, or we can offer a trade-in discount to swap them out for new units.

The cabinet does require some minor work in order to upgrade it to accept a blender, primarily replacing the medirails for longer sections and modifying or replacing the Tom Thumb.

Upgrades can be accomplished in a number of ways as detailed on the document entitled *Installing a blender into resuscitation cabinet v1.01*. Options range from supply-only with the Trust performing the work, to a service visit with Viamed doing the full upgrade, or a combination of both with Tom Thumbs being returned to Viamed for modification and the Trust installing them. Keith might be best placed to make that decision after reviewing the work required: we will provide the modification procedure for the Tom Thumb if requested.

If you would like an estimate of cost or a formal quotation, please just let me know which of the options is preferred and how many systems we are looking at and I will prepare that for you.

There is a lot of information here, so if you have any queries, please feel free to ask.

Regards,

Steve Hardaker  
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### 3 attachments

 **Infant Resuscitation Cabinet Leaflet 2018-01-25.pdf**  
321K

 **Installing a blender into resuscitation cabinet v1.01.pdf**  
145K

 **Infant Resuscitation Catalogue 2018-01-25.pdf**  
1006K