VIAMED

Resuscitation Cabinet Operator Instructions.
Version 8.0. 04/01/05.
Part no.: 0390006.

INFANT RESUSCITATION CABINET.

OPERATOR MANUAL.

CE0086

INDEX.

1. Introduction.

Thank you for purchasing a Viamed Resuscitation Cabinet.

If maintained correctly, this unit should give many years of trouble free service.

This Manual contains instructions for the operation and maintenance to be carried out by the operator. Viamed is not liable for the proper functioning of any part of this product if it is not operated according to the instructions, if the maintenance recommendations in this manual are not followed or if repairs are carried out using non-approved components.

Only suitably qualified personnel should perform calibration and repairs.
Maintenance documents are obtainable through your local dealer or direct from Viamed.

Servicing personnel must be aware of the potential clinical implications of incorrectly serviced equipment.

The personnel who work with this equipment should read this manual carefully and should fully understand all instructions contained therein. The manual should be kept so that it can be easily inspected; it is advisable to store it in an easily accessible place.

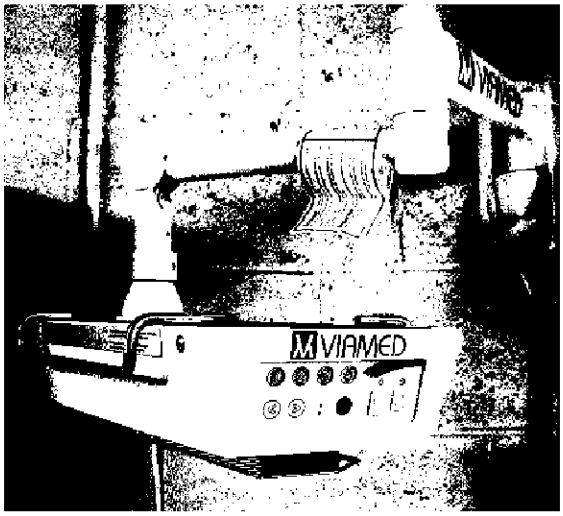
If any function or part of this manual is not clear, please contact Viamed or your distributor in order to obtain further information or clarification.

2. Ceratherm 600-2 Infant Radiant Warmer.

Comprehensive manuals covering Operation and Servicing of the Ceratherm 600-2 Infant Radiant Warmer are supplied with the Resuscitation Cabinet. Please refer to these manuals before use.

Each Ceratherm 600-2 Infant Radiant Warmer is safety tested to Class 1, type B and a certificate supplied.

It is recommended that the equipment be retested for safety and function after installation, and at least annually thereafter.

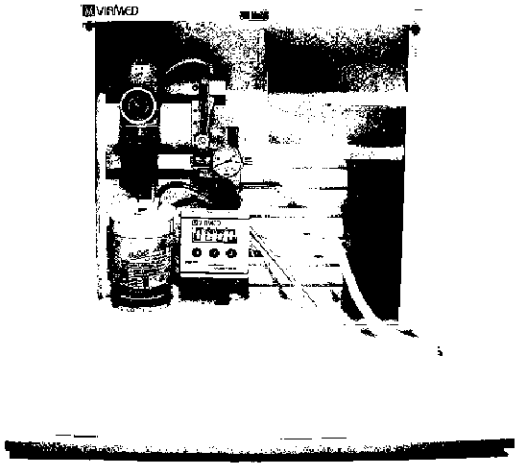


3. Cabinet.

The cabinet has been designed to conceal the internal products when closed and provide easy access when open.

Excessive weight should not be applied to the drop down front platform.

It is strongly recommended that, whilst in use, the patient should be under close observation at all times.



4. Suction Controller.

The suction controllers are designed specifically for medical use. Suction controllers comply with ISO 10079-3 1992, BS7259 Pt 2 1993.

Vacuum Source Connector.

The suction controller is available with either a British Standard (BS5682) probe or a 9/16 unf L/H fitting. The 9/16 unf L/H connection can be attached to various types of remote fittings i.e. Rail or "V' male mounted, with remote hose assemblies

Patient Inlet Connection.

The inlet connection forms an integral part of a detachable filter cartridge or Disposable Hydrophobic Filtration Unit.

This filtration unit has been designed to prevent the ingress of fluids into the controller and the pipeline system. It is a multi-fit unit, designed to fit other manufacturers suction products.

Once the filter has been used for patient therapy, or if wetted for any reason, it must be replaced. If the filter membrane is wet, the chemical coating on it will prevent fluid passing through it and may restrict the flow of suction.

Vacuum Gauge.

The controller is fitted with an easy to read, dual scale colour coded gauge

[redacted]

Safety Valve.

The suction controller is fitted with an internal safety valve system. This will protect the suction controller from being

damaged if inadvertently connected to a positive pressure outlet.

Suction Control and Safety.

To vary the level of suction, the control knob should be rotated from the OFF position to the MAX vacuum position. This is approximately a two-thirds rotation of the control knob. This is a safety aspect of gaining instant suction at a controlled level in all emergency situations.

A further safety feature is that the vacuum source can be turned off immediately by turning the control knob to the OFF position. This will automatically drain off the entire remaining suction source from the suction tubing and receiver jar.

Also unlike some units with the ON/OFF flag / switch system, when the controller is turned ON to the gradients, the suction will increase as slowly or as quickly as the user requires, and not at the point where it was last set, as with a flag type suction controller.

Maintenance.

Never use faulty equipment.

All suction controllers must be treated with care and serviced on a regular basis to ensure the device reliably performs the intended purpose.

Preventative maintenance ensures safety for the patient and user.

For service enquiries and information please contact Viamed to arrange a quotation.

Replacement Filters: Ref: S750 per box of 30. - Oxylitre

5. Timer. (Software Version 1.1)

Instructions for use.

Start Button

Freeze Button

Reset Button

The Viamed Apgar Timer is a battery powered digital timer with preset audible timing indications

Standby Mode

The Apgar Timer does not have an On/Off switch.

When not counting, the Apgar Timer enters *Standby Mode*.

In *Standby Mode* the display is blank with the exception of a flashing colon (:) to indicate the timer is functioning correctly.

If the display is completely blank with no flashing colon, the timer may require battery replacement. Replace batteries on an annual basis.

Counting Mode

When the Apgar Timer begins counting, the display counts upwards from 00:00 in 1 second intervals up to a maximum of 1 hour (59:59 on display), it will then enter *Standby Mode* automatically.

Whilst counting, the timer will indicate the Apgar Scoring intervals with beeps:

1 minute: 1 beep
5 minutes: 2 beeps
10 minutes: 3 beeps

Freeze Mode

It is possible to freeze the display whilst the actual time continues to count in the background; this is to allow for recording the time from the start of the counting cycle of a particular event.

Whilst the display is frozen, the colon (:) continues to flash.

Upon unfreezing, the timer will continue counting, resuming from the ongoing total elapsed time.

Should an Apgar Scoring interval be reached whilst the display is frozen, then the timer will still beep to indicate that interval, but will remain in *Freeze Mode* until exited by the user.

Reset Function

The *Reset Function* allows the timer to be reset and placed back into *Standby Mode.*

The Functions of the Keys

Key	Function
	• Starts counting from 00:00. • Returns to *Counting Mode* whilst in *Freeze Mode.*
	• Enters and exits *Freeze Mode.* Display 'freezes' whilst the actual elapsed time continues counting, but is not displayed. Exiting *Freeze Mode* returns to *Counting Mode*, resuming from the ongoing total elapsed time.
	• Resets counter, returning timer to *Standby Mode.*

Battery Replacement

For optimal performance, batteries should be replaced on an annual basis.

To replace the batteries, remove the mounting bracket from the rear of the timer using a 3/16th inch Allen Key, then using a narrow blade screwdriver release the battery cover. Remove the existing batteries and insert new ones (4 x AA/LR6/MN1500 1.5V Alkaline), observing the correct polarity.

Batteries should be disposed of as per local regulations.

Specifications

DIMENSIONS (EXCLUDING BRACKET)	142mm (W) x 130mm (H) X 40mm (D)
WEIGHT	551g
DISPLAY	4 Digit LCD. Digit height: 25mm
POWER REQUIREMENTS	4 x AA/LR6/MN1500 1.5V Alkaline Batteries
CONTROLS	Start, Freeze/Unfreeze, Reset
AUDIO INDICATIONS	1, 5, 10 minutes

Accessories

Medirail Mounting Bracket

Low Battery Indications

The LCD flashing between the messages "Lo" and "Batt" indicates a low battery condition, when this message appears, the batteries should be replaced at the earliest opportunity.

6. Tom Thumb.

Instructions for Use are attached to the Tom Thumb within the resuscitation cabinet. Please refer to these before use of the Tom Thumb.

Shown below, as an example only, are Instructions for Use for the TT490-15 models.

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V2.1.
25/10/04

Tom Thumb, TT490-15

Instructions for Use

Pre-use Checks.

- Uncap the T piece port ①.
- Adjust the flowmeter ② to minimum (fully clockwise) and the adjustable valve control ③ to minimum (fully counter clockwise).
- Connect the flowmeter O_2 hose ⑤ to the external O_2 supply.
- Check that the pressure gauge ④ reads zero. If not, the Tom Thumb requires servicing.

- Connect the patient tubing ⑥ to the Tom Thumb outlet but do not apply the mask ⑦ to the patient.
- **Set the flowmeter to the required flow rate.**

- Occlude the mask and the T piece port. Gradually turn the adjustable valve control clockwise until the required outlet pressure is shown on the pressure gauge.
- The Tom Thumb is now ready for use.

⚠

Important.

For use by qualified and trained personnel only.
Use flow rates within the range of the flowmeter.
Adjust outlet pressure after altering the flow rate.
Do not attempt to adjust the safety valve ⑨.
Recommended O_2 inlet pressure of 4 bar.

Guideline for Use during Resuscitation.

1. Follow the pre-use checks and set the required flow rate and outlet pressure.

2. Apply the mask to the patient and cover the T piece port to inflate the patients' lungs at the set flow rate and pressure.

3. Uncover the T piece port and allow the patients lungs to deflate.

4. Repeat steps 2 & 3 as necessary during the resuscitation of the patient (follow the hospital protocol for resuscitation).

Care, Cleaning, Location and Sterilisation.

Clean using a damp cloth. The Tom Thumb is not intended to be sterilised. Do not autoclave. Do not allow moisture or foreign matter to enter the safety valve or adjustable valve. Damage will occur if the Tom Thumb is subjected to severe mechanical shock or dropped.
The Tom Thumb should be serviced every 12 months, if the pressure gauge does not read zero (outside of the black band) with no flow or if the units' accuracy is doubted.
The Oxygen Hoses should be checked every 3 months, and replaced ever 4 years as a minimum.
The rail bracket ® is designed to fit most medical rails. It is advised that the Tom Thumb is not mounted close to a wall or to the side of an incubator particularly if the gauge is fitted to the end of the body (specials only).

Warranty.

Viamed warranty ensures that goods are free from defects of manufacture for a period of one year from the date of shipment from Viamed.

Liability shall be limited solely to the replacement and repair of the goods and shall not include shipping costs or other incidental damages.

This warranty is null and void if any items are subjected to misuse, negligence, accident, or repairs other than those performed by Viamed or an authorised service centre.

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7. Service Contracts.

Equipment returned to Viamed: Equipment should be returned to Viamed in good working order; those not in good working order may incur extra charges.

Equipment serviced on site: Equipment to be serviced should be available and in good working order for the engineer; those not in good working order may incur extra charges.

Travel: Charged at the current rate per hour.

Tom Thumb:
Check the unit mechanically.
Complete a full functional test.
Complete a full calibration test and make adjustments if found necessary.
Incorporate any upgrades as required.
O-rings will be replaced when necessary or every 2 years.
Minor parts used will be included in the price.

Ceratherm 600-2 Infant Radiant Warmer:
Check the unit mechanically.
Check the specification and installation.
Complete a full functional check
Complete a safety test to BS5754: Class 1, type B and provide certification.
Incorporate any upgrades as required.

Cabinet and accessories: Check all parts mechanically.
Check the specification and installation.

Apgar Timer: No service required.

Suction Controller: Check the unit mechanically.
Complete a full functional check.
Incorporate any upgrades as required.

8. Parts List.

0310025	Wall mounted Radiant Warmer.	1
0310002	Resuscitation Cabinet	1
0330065	No. 6 - self-tapping screws for bed.	6
0330040	Patient circuit (one patient use).	1
0320020	Resuscitation bed 14 inch.	1
0330040	Suction hose assembly (3m).	1
0310035	Low suction controller.	1
0320005	Mattress	1
0310100	Apgar Timer.	1
0310020	Size 3 storage box.	3
0320010	Universal rail clamp with 'V'.	1
0330035	Suction clear tubing.	1 x 1m
0330030	Dovetail (male).	1
0320030	1/2 litre jar and cage with clamp.	1 (reusable)

0310034	Tom Thumb resuscitation unit. (As standard TT490-15, other variants may be supplied).	1

9. Warranty.

All parts of this resuscitation cabinet are guaranteed for a period of 12 months from the date of purchase.

The best materials and workmanship have been employed throughout every stage of manufacture and every part is thoroughly tested before dispatch.

This warranty covers any defect in material and manufacture but excludes damage caused by accident, misuse or neglect.

Should any component develop a defect within this period it will be repaired or replaced.

In the event of a complaint regarding this product purchased outside the UK please contact your local distributor.

The service under this guarantee does not affect your statutory rights against your supplier if any component is faulty.

10. Company Details.

Main office.

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