infant resuscitation products
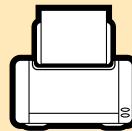

VIAMED

Highly successful infant resuscitation solutions widely used throughout the NHS and internationally

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VIAMED

Infant
Resuscitation Cabinet

Air/Oxygen Blender

Tom Thumb Infant Resuscitator

NeoPEEP Resuscitation Circuit

Digital Apgar Timer

Infant
Resuscitation
Cabinet

Provides essential equipment for safe and easy infant resuscitation

- Wall mounted cabinet with antibacterial coating
- Wall mounted radiant warmer on articulated arm
- Tom Thumb Infant Resuscitation Unit
- Low suction controller
- Vacsax suction receiving system, utilising disposable liners
- Resuscitation platform manufactured from waterproof construction board
- Wide bed (35 cm), designed to prevent mattress movement
- Sealed mattress, manufactured to BS5852 (Crib5) standards
- Digital Apgar Timer, audible indication at 1, 5 and 10 minutes
- Storage bins
- Air/Oxygen Blender (optional)

The Viamed Infant Resuscitation Cabinet offers an economical, convenient solution for the delivery room.

Compact and discreet, the cabinet is unobtrusive when not in use, yet facilitates the essential equipment for safe and easy resuscitation.

The cabinet is available in several configurations matched to your particular needs. An overhead radiant warmer mounted on an articulated boom arm conveniently and safely folds away when not in use.

The whole installation has a low profile and is ideally suited to even the smallest delivery rooms.

Part number: 0310002 Infant Resuscitation Cabinet

Features

- ■ Low profile, discreet: cabinet can be closed when not in use
- ■ Economical; several delivery rooms can be equipped for the cost of a traditional mobile unit
- ■ Provides a permanent, always ready solution for each individual delivery room
- ■ Easy to operate, safe and fatigue-free resuscitation
- ■ Optional air/oxygen blender for delivery of mixed gases
- ■ Bacteria resistant, waterproof resuscitation platform and antibacterial coating on cabinet

Includes:

Cabinet

Dimensions	660 mm (Height), 650 mm (Width), 280 mm (Depth)
Weight	19 kg (empty), 25 kg (with standard accessories)
Medirails	3 (1 x 300 mm, 2 x 400 mm)
Shelving	Integral shelf and 3 bin rails
Storage	3 storage bins (blue, size 3 Lin bin)
Bed	Flat, 35 cm (14") wide
Mattress	Sealed design, manufactured to BS5852 (Crib5) standards
Digital Apgar Timer	Preset audible indicators at 1, 5 and 10-minute intervals

Tom Thumb Infant Resuscitation Unit

Connection	3 m hose to wall oxygen outlet
Flowmeter	Integral, 0 - 15 L/min (option without flowmeter also available)
Pressure	Adjustable, provides complete control
Emergency blow-off valve	Factory set to a fixed, predefined pressure level
Patient circuit	One NeoPEEP variable PEEP resuscitation circuit included

Choice of Tom Thumb available:	
TT480	for connection to an existing flowmeter or air/oxygen blender
TT490	for oxygen delivery
TT491	for air delivery

Low Suction Controller

Suction	Variable, 0 - 150 mmHg (relief valve at -180 mmHg)
Scaling	Dual, -kPa and -mmHg
Connection to wall suction	3 m hose with BS probe
Receiving jar	1 litre reusable Vacsax with disposable liner

Choice of Low Suction Controller:
Oxylitre S7 series
Therapy Equipment 7725 Diamond series

Ceratherm 600-3 Radiant Warmer

Power requirements:

Power rating	230 V ±10%, 50 - 60 Hz
Element	620 VA
Output	Ceramic, 600W. Efficient with fast warm-up
Lighting	LED, 3 W / 700 mA / 4.5 V, dazzle-free illumination of work area
Alarms	Audible and visual, 15 minutes with reset function
Mounting	Wall mounted articulated arm, folds away when not in use. Mobile radiant warmers also available
Certifications	IEC 601-2, CE0123

Optional Air/Oxygen Blender (Low-flow)

Flowmeter	0 - 15 L/min
Oxygen % Range	21 - 100%

Cabinets are available in a variety of configurations suited to individual requirements
Installation of cabinets and warmers is the responsibility of the customer

Infant Resuscitation Cabinet system
shown mounted on wall strengthening
pattress board

TT490 and TT480 Tom Thumb with
NeoPEEP resuscitation circuit and mask

Air/Oxygen Blender (Optional)

Air / Oxygen Blender

The ability to provide mixed air and oxygen in a safe, easy and controlled manner in the critical care environment is becoming increasingly important.

Air/Oxygen blenders offer a simple, reliable and accurate method of delivering mixed gas to the patient.

In order to offer maximum flexibility, blenders can be specified for either mounting on a pole or rail, with or without gas hoses, with a variety of flowmeters.

Other blenders are available upon request, including MRI compatible models and various different flows and configurations.

Blenders can be used to supply mixed gas to infant resuscitators, such as the Tom Thumb infant resuscitation unit.

Accuracy:	±3% of Full Scale
Supply Pressure:	30 - 75 psi
FiO$_2$:	21 - 100%

Model	Flow Outputs	
IHC2003 (Low Flow):	Outlet A:	n/a
	Outlet B:	3 - 30 L/min, no bleed
	Outlet C:	0 - 30 L/min, 3 L/min bleed
IHC2004 (High Flow):	Outlet A:	15 - 120 L/min, no bleed
	Outlet B:	15 - 120 L/min, no bleed
	Outlet C:	2 - 108 L/min, 10 - 12 L/min bleed

Weights and Dimensions

Size:	8.9 cm x 8.6 cm x 9.2 cm
Weight:	1.25 kg

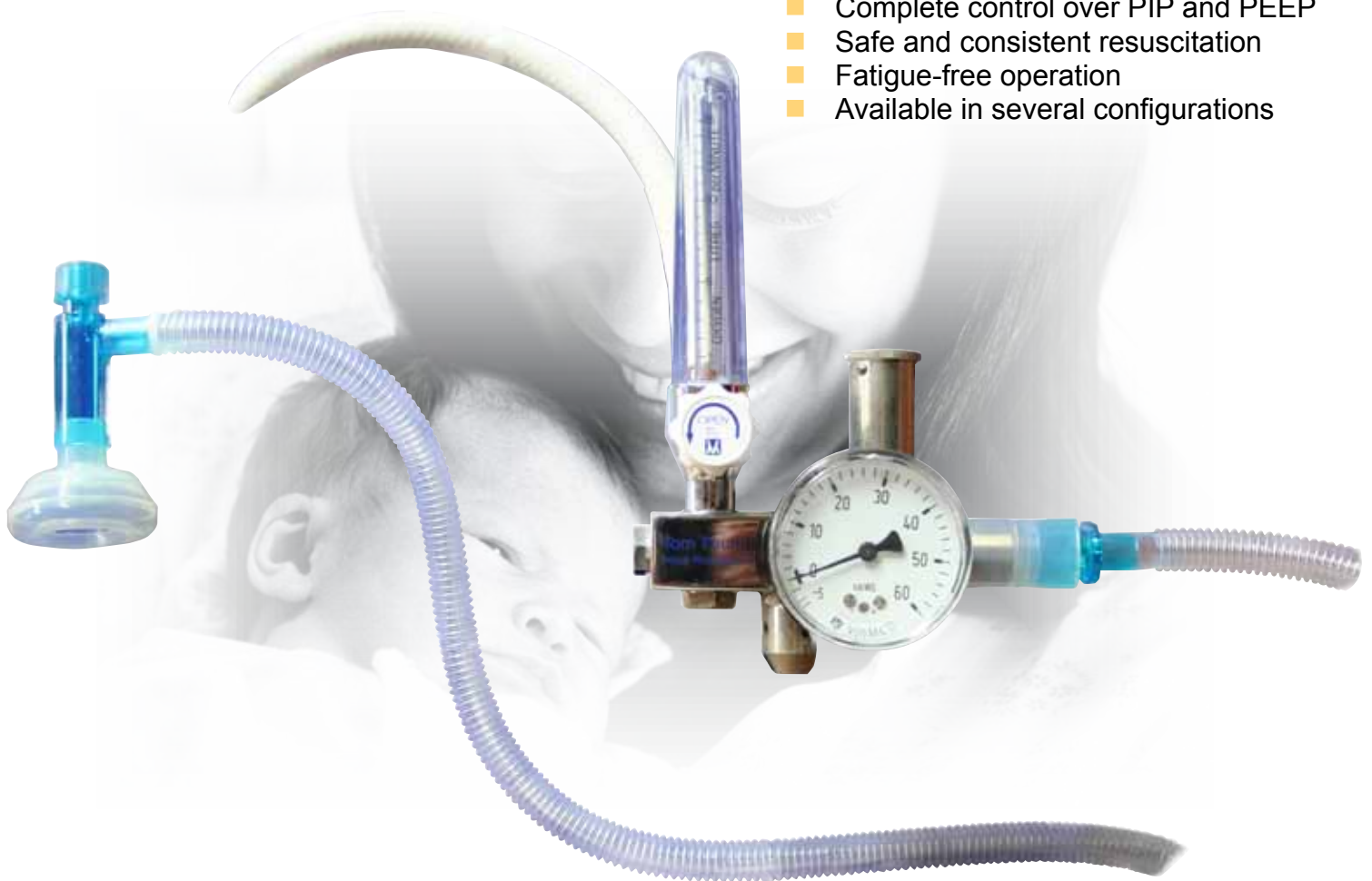| Part number	Model	Description
0310201	IHC2003	Low flow air/oxygen blender only
0310200	IHC2003A	Low flow air/oxygen blender complete with flowmeter, 3 m air and 3 m oxygen hose and a mounting bracket (please specify type of bracket at time of ordering)
0310206	IHC2004	High flow air/oxygen blender only
0310205	IHC2004A	High flow air/oxygen blender complete with flowmeter, 3 m air and 3 m oxygen hose and a mounting bracket (please specify type of mounting bracket at time of ordering)
Accessories		
0320210	IHC015L	Flowmeter, 0 - 15 L/min
0320211	IHC070L	Flowmeter, 0 - 70 L/min
0320213	IHCPMB1	Pole mount bracket
0320214	IHCRMB1	Rail mount bracket
0320216	OXAH010	NIST hose with MKIV oxygen probe, 3 m
0320217	OXAH013	NIST hose with MKIV air probe, 3 m
0320218	VRES8LPM	Flowmeter restrictor, 8 L/min
0320219	VRES40LPM	Flowmeter restrictor, 40 L/min
0320220	OXYSP46	Flowmeter tapered outlet connector
0332010	IHCBPLUG	Port blanking cap

High flow blender on pole mount

Low flow blender on rail mount, supplying a Tom Thumb TT480 infant resuscitator. Tom Thumb shown is model TT480 without flowmeter, other models of Tom Thumb require modification for use with blenders. Contact Viamed for further information.

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Tom Thumb
Infant Resuscitator

This easy to use, compact and robust infant resuscitator, has been designed to enable safe, controlled and fatigue-free resuscitation

- Compact and easy to use
- Complete control over PIP and PEEP
- Safe and consistent resuscitation
- Fatigue-free operation
- Available in several configurations

The Tom Thumb Infant Resuscitator has been designed to replace manual ventilation by the bag and mask method, which can often become tiring and inconsistent. The resuscitation is carried out by using the T-piece occlusion method, thus providing complete control and increased safety over infant resuscitation.

The NeoPEEP neonatal resuscitation circuit, supplied with the Tom Thumb, incorporates a variable PEEP valve and facilitates the delivery of safe and consistent breathing patterns to neonates; by enabling the delivery of consistent PEEP to assist in maintaining functional residual capacity.

The Tom Thumb is available in several configurations:

Part number	
0310030	**Configuration One: TT480 for connection to an existing flowmeter or air/oxygen blender** Includes: Variable blow off valve Fixed blow off valve (predefined, e.g. at 45 cm H_2O) Integral medirail mounting clamp. Pole mounting clamp also available NeoPEEP; variable PEEP neonatal resuscitation circuit (single patient use) Single use silicone round facemask, size 1 Note: This version of the Tom Thumb has a 'Christmas Tree' inlet for the connection to an external flowmeter/blender via oxygen tubing
0310032	**Configuration Two: TT490-15 for connection to wall oxygen terminal or cylinder (with regulator)** Includes: Flow meter, 0 - 15 L/min Variable blow off valve Fixed blow off valve (predefined, e.g. at 45 cm H_2O) Integral medirail mounting clamp. Pole mounting clamp also available NeoPEEP; variable PEEP neonatal resuscitation circuit (single patient use) Single use silicone round facemask, size 1 **Oxygen hose with BS probe, 1 m**
0310034	**Configuration Three: TT490-15-3 for connection to wall oxygen terminal or cylinder (with regulator)** Includes: Flow meter, 0 - 15 L/min Variable blow off valve Fixed blow off valve (predefined, e.g. at 45 cm H_2O) Integral medirail mounting clamp. Pole mounting clamp also available NeoPEEP; variable PEEP neonatal resuscitation circuit (single patient use) Single use silicone round facemask, size 1 **Oxygen hose with BS probe, 3 m**
	Replacement Parts and Accessories
3210011	NeoPEEP neonatal resuscitation circuit (single patient use)
0120140	Adapter: 15 mm I.D. - 15 mm I.D. *Reusable; for connecting the NeoPEEP to the Tom Thumb*
0120151	Adapter: 15 mm I.D./22 mm O.D. - 15 mm I.D./22 mm O.D. *Pack of 20* *Disposable; for connecting the NeoPEEP to the Tom Thumb*
3210070	Single use silicone round facemask - size 0 40 mm (Height) x 27.4 mm (Inner Width) x 48.6 mm (Diameter) - Connector Diameter 15 mm O.D
3210067	Single use silicone round facemask - size 0.5 44.4 mm (Height) x 32 mm (Inner Width) x 54 mm (Diameter) - Connector Diameter 15 mm O.D.
3210071	Single use silicone round facemask - size 1 47.9 mm (Height) x 40.5 mm (Inner Width) x 60 mm (Diameter) - Connector Diameter 15 mm O.D.

Configuration 1: TT480

Configuration 2: TT490-15 with 1 m Oxygen hose
Configuration 3: TT490-15-3 with 3 m Oxygen hose

Rear of Tom Thumb with rail clamp

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NeoPEEP
Resuscitation Circuit

For use with resuscitaires, infant resuscitation cabinets and infant resuscitators

15 mm O.D. →

The NeoPEEP is a single patient use neonatal resuscitation circuit incorporating a variable PEEP valve.

15 mm I.D.

PEEP valve

NeoPEEP Single Patient Use Neonatal Resuscitation Circuit

The NeoPEEP will connect to any resuscitator with a 15 mm I.D. patient outlet.
It will also connect directly to standard endotracheal tubing.

Part number	Model Ref.	Description	Qty
3210011	800100/BLUE	**NeoPEEP Neonatal Resuscitation Circuit - Standard** Hose length 1.0 m, 15 mm O.D. connector	Single Unit
3210013	800100/BLUE	**NeoPEEP Neonatal Resuscitation Circuit - Standard** Hose Length 1.0 m, 15 mm O.D. connector	Box of 20
3210014	800100/BLUE	**NeoPEEP Neonatal Resuscitation Circuit** Includes 20 x adapter 0120141, hose length 1.0 m, 15 mm O.D. connector	Box of 20
3210021	800150/BLUE	**NeoPEEP Neonatal Resuscitation Circuit - Extra Long** Hose length 1.5 m, 15 mm O.D. connector	Single Unit
3210023	800150/BLUE	**NeoPEEP Neonatal Resuscitation Circuit - Extra Long** Hose length 1.5 m, 15 mm O.D. connector	Box of 20

CE 0434

Resuscitation Circuit Adapters

For connecting the NeoPEEP to a resuscitator without a standard 15 mm I.D. patient outlet:

Part Number	Model Ref.	Description	For Connecting to:	Qty
0120139	PF 1510	**Adapter: 15 mm I.D. - 10 mm I.D.** Material: Silicone Rubber, Reusable and Autoclavable*	Fisher & Paykel NeoPuff	Single Unit
0120140	PF 1515	**Adapter: 15 mm I.D. - 15 mm I.D.** Material: Silicone Rubber, Reusable and Autoclavable*	Viamed Tom Thumb	Single Unit
0120141	KC 2124	**Adapter: 15 mm I.D./22 mm O.D. - 15 mm I.D./ 22 mm O.D.** Material: Polystyrene Butadiene, Single Patient Use	Viamed Tom Thumb	Single Unit
0120151	KC 2124	**Adapter: 15 mm I.D./22 mm O.D. - 15 mm I.D./ 22 mm O.D.** Material: Polystyrene Butadiene, Single Patient Use	Viamed Tom Thumb	Pack of 20

* Remains pliable after sterilisation

CE 0086

Single Use Silicone Round Facemask

Part number	Model Ref.	Description	Qty
3210070	200600D	**Neonatal -** Size 0	Single Unit
3210073	200600D	**Neonatal -** Size 0	Pack of 20
3210076	200600D	**Neonatal -** Size 0	Pack of 100
3210067	200550D	**Neonatal -** Size 0.5	Single Unit
3210068	200550D	**Neonatal -** Size 0.5	Pack of 20
3210069	200550D	**Neonatal -** Size 0.5	Pack of 100
3210071	200500D	**Infant -** Size 1	Single Unit
3210074	200500D	**Infant -** Size 1	Pack of 20
3210077	200500D	**Infant -** Size 1	Pack of 100

CE 0434

Digital Apgar Timer

- Audible indication at 1, 5 and 10 minutes
- Easily read display with large digits
- Incorporates 'freeze' function to assist with event recording
- Long battery life; better than 12 months with daily use
- Low battery indication
- Various mounting options available
- Automatically enters standby mode after 1 hour
- Solid construction with aluminium casing

The Viamed Digital Apgar Timer is designed to assist with the Apgar scoring of neonates immediately after delivery.

With preset audible indications at 1, 5 and 10-minute intervals, a large display and sturdy construction, the Apgar Timer is ideally suited to the Delivery Suite environment.

Dimensions:
130 mm (Height) 142 mm (Width), 40 mm (Depth without clamp)

Weight	551 g
Display	4 digit LCD, digit height 25 mm
Power Requirements:	4 x AA/LR6/MN1500 1.5 V alkaline batteries
Battery Life:	Greater than 12 months when used for 1 hour, twice per day

Low Battery Indication:
Display flashes the words "Lo" and "Batt" whilst in standby mode to indicate a low battery condition far in advance of battery depletion, the timer can still function whilst in a low battery condition.

Audible Indications:

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

Modes of Operation:
Counting mode - Increments in 1 second intervals up to 1 hour.

Freeze mode - Freezes the display to assist in event recording. Upon unfreezing, the timer will continue counting, resuming from the ongoing total elapsed time.

Standard mode - The timer automatically enters standby mode after 1 hour, negating the need for an on/off switch and significantly extending battery life.

Apgar Timer, Part number 0310100

Optional Accessories:
Part number 0320201, Medirail mounting bracket
Part number 0121199, Swivel mount
Part number 0121200, Universal mounting clamp

The incorporation of 2 standard 'camera mount' fittings offers flexibility concerning mounting options, please contact Viamed for further details.

Classification:
CE Class I

0320201, Medirail mounting bracket

0121199, Swivel mount

0121200, Universal mounting clamp

Also available...

Oxygen Analyser and Monitor

Featuring easy calibration and settings which are secured automatically. In addition, the low power requirement allows the units to operate continuously for 2000 hours on just 3 x AA alkaline batteries. Both models also feature the R-17MED oxygen sensor, providing superior long-term stability and accuracy.
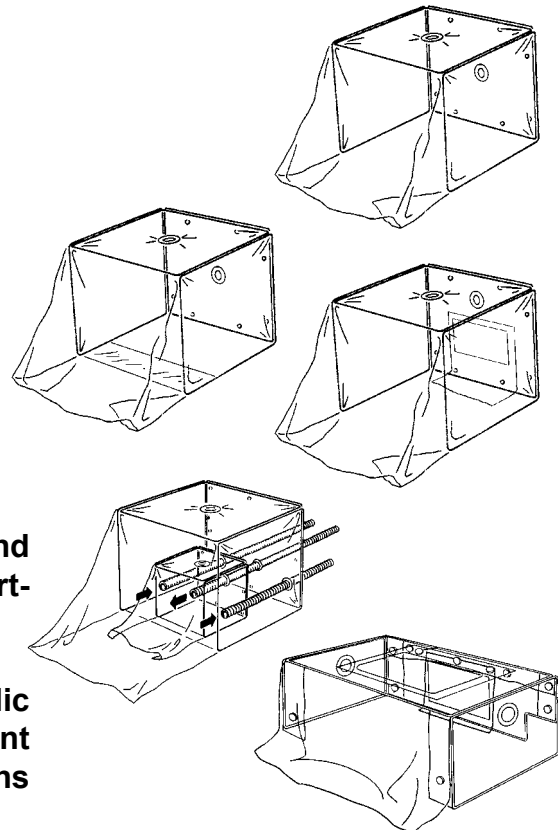
Constructed from high impact resistant materials, these rugged instruments provide unparalleled performance under the harshest conditions.

Oxygen Hoods

Designed for use with neonatal and paediatric patients, for the short-term, stable delivery of oxygen.

Available in both reusable acrylic and transparent vinyl single patient use types with a variety of designs within the range.

Phototherapy Hoods, Light Shields & Masks

A range of hoods, light shields and eye masks designed to provide eye protection for neonates during phototherapy.

Radiant Warmers

Ceratherm 600-3 radiant warmers provide the ideal solution to the requirements of daily practice, combining ease of use and safety.

Ideal for use in delivery suites, special care baby units, clinics, paediatric wards, accident & emergency and operating theatres.

Available in several configurations including: wall mounted, ceiling mounted and mobile floor standing.

DryMax Absorbent Pads

DryMax Neo is an absorbent and hygienic underlay, which effectively absorbs urine and other fluids whilst remaining dry. This underlay has been designed with premature babies in mind as it is suitable for use in incubators.

DryMax Neo is soft and comfortable even for bare skin, helping to prevent skin irritations and sores.

Specification Subject to Change

ISO 13485:2003