Dräger

D-30409-2011

Make the golden hour your time to shine.

RESUSCITAIRE®

Dräger. Technology for Life®

In the golden hour, experience can make all the difference.

Because patient management decisions during the critical first hour of a baby's life can directly influence immediate survival and long-term morbidity, you want solutions you can depend on. Drawing from years of experience in neonatal care, Dräger integrated neonatal thermoregulation and respiratory support into a single, versatile Labor & Delivery device – the Resuscitaire® warmer.

RAPID RESPONSE

Progressive respiratory support capabilities help you stabilize patient breathing while safeguarding delicate airways.

CONSTANT COMFORT

Resuscitaire's ability to provide uniform thermoregulation across the baby's mattress and easily adapt to developmental care requirements has made it a trusted resource in Labor & Delivery departments around the world.

STEP SAVER

Ease-of-use considerations, patient access and process-driven conveniences enable caregivers to concentrate on their patients rather than their equipment, making Resuscitaire ideal for a wide range of needs in Labor & Delivery and surgical settings.

Reliable
Delivery

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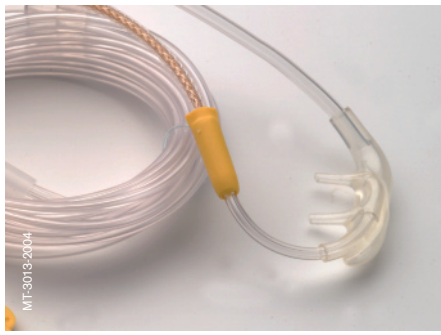
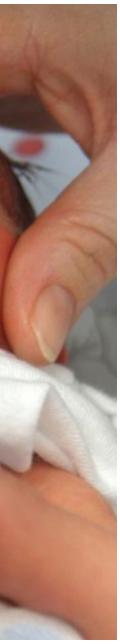
From routine warming to emergency respiratory intervention, Resuscitaire was meticulously developed to reliably meet a wide range of Labor & Delivery needs. As an added measure of dependability, every Resuscitaire is backed by Dräger Medical Service – complete with factory-trained specialists dedicated to ensuring an exceptional level of device availability and performance.

Rapid Response

Should the newborn have difficulty transitioning to breathing, you can help clear fluids from the lungs and establish a functional residual capacity.



A nasal cannula, a minimally invasive intervention, can serve as a quick, convenient way to prevent hypoxia and respiratory acidosis.



Proven respiratory support, where and when you need it.

PROGRESSIVE SUPPORT SAFEGUARDS DELICATE AIRWAYS

When you consider that 80% of Very Low Birth Weight newborns, 60% of Meconium Stained newborns, and 6% of Cesarean Section newborns require some form of respiratory stabilization[1], it's comforting to know that Resuscitaire® puts so many quality options at your fingertips.

Dräger's proven Continuous Positive Airway Pressure (CPAP) and Positive End-Expiratory Pressure (PEEP) capabilities support precise gas delivery so crucial to preventing respiratory complications in neonates. Plus, a choice of delivery devices enables you to provide the minimal amount of support required to achieve respiratory stabilization to further safeguard fragile lungs.

INTUITIVE DESIGN PROMOTES CONFIDENT CARE

Resuscitaire's easy-to-understand respiratory support interfaces allow you to move efficiently from one solution to the next, as needed. The logical layout, easily accessible controls, and familiar operation facilitate confident respiratory support needed to assure desired ventilation, oxygenation, and skin temperature. In addition, front-facing gauges help you accurately monitor airway pressure, suction, and gas supply to help keep you in control of the process.

Resuscitaire's T-piece enables you to deliver consistent CPAP and PEEP along with a fixed inflating pressure for precise control of the baby's respiratory support. It offers a convenient alternative to bag and mask ventilation and can be used with either a face mask for non-invasive support or an endotracheal tube.

AutoBreath™ redefines advanced respiratory support by automating the process. It automatically delivers the desired levels of FiO_2, flow, max pressure, rate, and PEEP, freeing-up the clinician's hands. In addition, this automated capability can reduce the need for a ventilator in the Labor & Delivery unit, saving both time and money.

(AutoBreath™ not available in the US)

[1] Bissinger RL, Ohning BL. Neonatal Resuscitation. eMedicine Specialties>Pediatrics: Cardiac Disease and Critical Care Medicine>Neonatology. Retrieved Sept 16, 2008, from http:www.emedicine.com/ped/topic2598.htm.

Thermoregulation requirements are dynamic; so is our solution.

SETTING THE STANDARD FOR UNIFORM HEAT DISTRIBUTION

The younger the newborn, the more critical effective thermoregulation becomes. With the Resuscitaire®, it all starts with its Silica Quartz element – the most responsive heating element in the industry. The element provides rapid warm up, while its full-length parabolic reflector delivers the most even heat distribution across the mattress surface to keep the newborn cradled in soothing warmth.

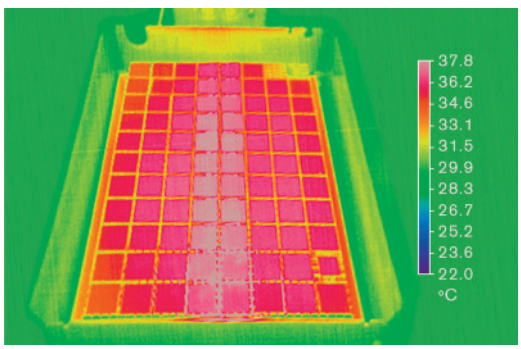
The Automatic Pre-Warm Mode allows long-term, controlled warming of the mattress with no nuisance alarms. The Manual Mode lets you adjust heater output in 10% increments, while the Servo Mode uses a dual thermistor temperature probe and ± 1.0°C alarm to ensure precise temperature tolerances. For added reliability, an independent Ambient Temperature Probe automatically adjusts heater output to maintain a safe and stable mattress temperature.

SUPPORTING THE NEEDS OF THE PATIENT AND THE PROCESS

Dräger understands that the needs of the developmental care process are dynamic. As a result, the Resuscitaire was specifically developed to keep pace with those demands.

For example, the head of the warmer module swivels up to 90° from side to side. Whether the baby is on the mattress or nearby in mom's arms, Resuscitaire continues to monitor and thermo-regulate the neonate. Should the mattress need to be tilted for Trendelenburg or reverse Tren-delenburg positioning, the parabolic reflector continues to deliver uniform heat distribution across the mattress.

The developmental alarm feature even takes into account the adverse effects of noise on the baby. When activated, alarm output starts out quietly and only builds in volume if unattended.



The parabolic reflector helps ensure the most even heat distribution available across the mattress surface, helping you avoid potentially dangerous hotspots and inconsistencies associated with hourglass-type thermal delivery.

Constant
Comfort

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A workstation approach with vital signs monitoring, respiratory support, thermoregulation and all accessories to meet your labor and delivery needs.

Focused on the details, so you can focus on the patient.

From its lightweight, easy-to-maneuver design to convenient ergonomic touches throughout the unit, the Resuscitaire® simplifies operation to expedite care and help keep caregivers fresh and productive throughout long shifts.

EXCEPTIONAL ACCESS FROM EITHER SIDE

Side panels can be easily lowered for access to the baby. The height of the mattress surface can be easily adjusted to the individual caregiver's personal preference using variable height adjustment pedals found on either side of the unit. Dual access X-ray offers users greater flexibility. Plus, a pass-through drawer makes storing accessories and routinely needed items a breeze.

CONFIGURE TO YOUR DEPARTMENT'S NEEDS

A choice of basic configurations and a variety of accessories lets you custom configure the unit to your needs. Accessories include left or right hand instrument trays, an IV pole, a shelf for related devices, such as SpO_2, and an easy-to-use scale – complete with one-touch operation.

EASILY ACCESS SUCTION

The suction compartment is located at the back of the unit to make routine cleaning as quick and easy as possible.

EFFICIENTLY ADJUST MATTRESS POSITION

An ergonomic knob at the front of the unit lets you adjust the mattress smoothly, from zero to 12 degrees, facilitating Trendelenburg and reverse Trendelenburg positioning.

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Step Saver

Resuscitaire units are available in a variety of configurations to fit seamlessly into your care environment. The Birthing Room Warmer features a warmer, respiratory support, and a detachable mobile bassinet in a variety of wood finishes. A space-saving wall unit is available for fixed locations. What's more, Dräger's breadth of neonatal offerings ensures smooth transitions from the L&D to the NICU.

TECHNICAL SPECIFICATIONS DRÄGER RESUSCITAIRE® WARMER

Physical Attributes (without options/accessories)		VHA Model
Height	72 in (183 cm)	71-79 in (180-201 cm)
Width	26.5 in (68 cm)	26.5 in (68 cm)
Depth	44 in (112 cm)	44 in (112 cm)
Weight (without options /accessories)	220-280 lbs (100-127 kg)	220-280 lbs (100-127 kg)

Mattress		
Height from floor	39.4 in (100 cm)	35-43 in (90-109 cm)
Width	21.0 in (53.3 cm)	21.0 in (53.3 cm)
Length	26.0 in (66.0 cm)	26.0 in (66.0 cm)
Thickness	1.0 in (2.54 cm)	1.0 in (2.54 cm)
Maximum capacity	15 lbs (4.54 kg)	15 lbs (4.54 kg)

Maximum Power Requirements		
Model	120V	120V, 50-60Hz, 750 W
	220/240V	220-240V, 50-60Hz, 750 W

Examination light	
Illumination	>0.11 lumens/cm^2 (100 ft. Candles)
Quartz bulb type	50 W (1,076 lux)

Controller heating alarms	
Check patient	15 minutes in Manual Mode
Baby temperature	+/- 1° C from Set Point
High temperature	Skin Temp. 39.0º C+/- 0.2° C
Probe	Short or open circuit / No probe
System fail	Indicates System Fail
Power fail	AC Power Interruption

Alarm silence/reset intervals	
Check patient	Resets clock for 15 minutes manual mode
Baby temperature	10 minutes
High temperature	2 minutes
Procedural silence	Presilences baby temp alarm for 5 minutes

Set temperature/heater output	
Set temp range	34-38° C (>37.0° override)
Heater output	0-100%, 10% increments
Skin temp display	18-43° C
Accuracy	+/- 0.2º C (31° C to 37° C)

Resuscitation module	
Wall supply pressure	40-75 psi (275-517 kPa)
Cylinder pressure	2,900 psi max (19,994 kPa)

Patient gas supply	
Flow control range	0-15 LPM
Airway pressure limit-	
Adjustable	0-50 cm H_2O (0-4.9 kPa)
Internal preset limit	60 cm H_2O (5.9 kPa)

Auxiliary flow circuit	
Auxiliary flow range	0-15 LPM
Fixed internal	160 cm H_2O (15.7 kPa)

Suction circuit	
Adjustable	0-150 mmHg (0-20 kPa)
Disposable collection container	50 or 800 ml

Autobreath infant resuscitator	*AutoBreath not available in the United States*
Adjustable breath rate range	18-60 BPM (+/-10% of setting)
I:E ratio	Fixed at 1:2 Nominal
Pressure (PEEP)	0-18 H_2O (0-1.77 kPa)
Gas bleed	5 LPM Max
Precision blender (optional)	21-100% O_2 +/-3% O_2

Alerts	
Manual mode	System alerts every 30 seconds>10 minutes, for 15 minutes
Apgar timer	Alerts at 1, 5 and 10 minutes
Timer	Visual timer up to 1 hour

Instrument tray (Resuscitaire only)	
Length	13.0 in (33.0 cm)
Width	9.0 in (22.8 cm)
Capacity	5 lbs (2.2 kg)

X-ray cassette tray	
Pocket width	14.5 in (36.8 cm)
Pocket length	11.0 in (27.9 cm)
Thickness	0.75 in (1.9 cm)

IV pole	
Maximum load	5 lbs (2.2 kg)

Monitor shelf	
Length	12.0 in (31.75 cm)
Width	14.0 in (40.64 cm)
Maximum load	10 lbs (4.5 kg)

TECHNICAL SPECIFICATIONS DRÄGER RESUSCITAIRE® WARMER – WALL MOUNT

Maximum Power Requirements		
Model	120V	120 v, 50-60 Hz, 750 W
	220/240V	220-240 v, 50-60 Hz, 750 W

Examination light	
Illumination	> 100 Ft. Candles (0.11 Lumens/cm^2)

Specifications	
Length	29.8 in (75.7 cm)
Width	10 in (25.4 cm)
Height	6 in (15.2 cm)
Weight	<35 lbs (15.92 kg)

Controller heating alarms	
Check patient	5 minutes in Manual Mode (alerts every 30 seconds > 10 minutes)
Baby temp	±1° C from Set Point
High temp	Skin Temp 39.0° C ±0.2° C
Probe	Short or open circuit/No probe
System fail	Indicates System Fail
Power fail AC Power Interruption	AC Power Interruption
Alarm	Silence/Reset Intervals (manual mode)
Check patient	Resets clock for 15 minutes
Baby temp	10 minutes
High temp	2 minutes
Procedural silence	Silences audible Baby Temp alarm for 5 minutes

Set temperature/heater output	
Set temp range	34-38° C (.37.0° C override)
Heater output	0-100%, 10% increments
Skin temp display	18-43° C
Accuracy	±0.2° C (31° C to 37° C)

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HEADQUARTERS
Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany

www.draeger.com

REGION EUROPE CENTRAL AND EUROPE NORTH
Dräger Medical GmbH
Moislinger Allee 53–55
23558 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION EUROPE SOUTH
Dräger Médical S.A.S.
Parc de Haute Technologie d'Antony 2
25, rue Georges Besse
92182 Antony Cedex, France
Tel +33 1 46 11 56 00
Fax +33 1 40 96 97 20
dlmfr-contact@draeger.com

REGION MIDDLE EAST, AFRICA, CENTRAL AND SOUTH AMERICA
Dräger Medical GmbH
Branch Office Dubai
Dubai Healthcare City
P.O. Box 505108
Dubai, United Arab Emirates
Tel + 971 436 24 762
Fax + 971 436 24 761
contactuae@draeger.com

REGION ASIA / PACIFIC
Draeger Medical South East Asia Pte Ltd
25 International Business Park
#04-27/29 German Centre
Singapore 609916, Singapore
Tel +65 6572 4388
Fax +65 6572 4399
asia.pacific@draeger.com

REGION NORTH AMERICA
Draeger Medical, Inc.
3135 Quarry Road
Telford, PA 18969-1042, USA
Tel +1 215 721 5400
Toll-free +1 800 437 2437
Fax +1 215 723 5935
info.usa@draeger.com

Manufacturer:
Draeger Medical Systems, Inc.
Telford, PA 18969, USA
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