

Isolette® 8000 Neonatal Closed Care

Dräger sets the standard for thermoregulation with a host of performance features designed to provide a stable, cocoon-like environment for the baby. To ensure that the Thermo-Neutral Zone is maintained, the Isolette® 8000 enables you to continuously monitor both the core and peripheral body temperature.



Benefits

Proven concept with advanced technology

Our ability to reliably sustain a stable thermo-neutral microenvironment has made Dräger a trusted resource in thermoregulation. The brand Isolette® is associated with a proven and reliable design and has been known by caregivers across the globe for many decades. The advanced thermoregulation system, controlled by Dräger's elaborate PID algorithm, keeps the baby in a stable environment. Very low velocity is used to create a calm zone that surrounds the neonate, inhibiting convective heat loss, while dual air curtains and preemptive regulation mechanisms maintain practically stable conditions during access to the infant.

Increasing humidity levels in the microenvironment helps the fragile babies reduce transepidermal water loss and related cold stress. When humidification is required, the Isolette 8000 introduces a new level of precision that helps you effectively regulate the humidification process.

Designed with comfort in mind

Designed to reduce stress at every turn, bend and twist.

The longer a caregiver shift runs, the more they will come to appreciate the many ergonomic touches incorporated into the Isolette 8000. Easy access to the neonate, convenient height adjustment of the incubator and easy to reach controls make it a great incubator for any NICU. With its compact style, the Isolette 8000 is easy to manoeuvre. Lightweight, compact footprint, smooth trolley assembly and ergonomic foot-actuated brakes allow virtually effortless movement, even in congested NICU settings.

A hygienic concept that is pure genius

Enhancing infection control to keep pace with today's practices and supporting a more hygienic care setting.

The Isolette 8000 introduces an innovative Condensation Management System that is specifically designed to address infection control practices. This latest advancement from Dräger collects the condensate from the incubator compartment and isolates it from the clean water supply of the humidity system. In addition, the entire humidity system can be easily removed for quick, convenient yet effective sterilisation after every patient to maintain the most hygienic environment possible.

Where effectiveness meets efficiency

Dräger's extensive experience in neonatal care and commitment to a smart NICU means you can count on the Isolette 8000 to work seamlessly within your environment. The Isolette 8000 is easily integrated into the NICU environment, with technologies you know and trust: Babylog® ventilation systems, Dräger jaundice management, Dräger monitoring devices and architectural design systems.

Accessories



D-33514-2009

Developmental Care

Dräger supports developmental care with a wide range of accessories. Our positioning aids reproduce the infant's position in utero as closely as possible in an effort to recreate the physical limits that the pre-term infant is used to. Within this environment the infant can bring its hand to its mouth, brace its feet against and snuggle down into its nest. Incubator covers dampen light and noise to help create a more peaceful environment for the infant in his or her temporary "home".

Related Products



MT-1671-2003

Architectural Systems

Process- and Workflow-optimized solutions.



D-73341-2012

Dräger Babylog® VN500

For generations to come. The Babylog® VN500 combines Dräger's years of experience with the latest technology. The result is a complete, integrated ventilation solution for the tiniest of patients. Move on toward new frontiers today and be prepared for the developments of tomorrow.

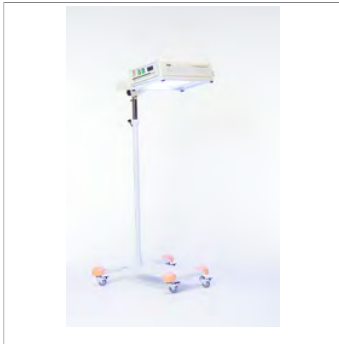
Related Products



D-86399-2013

Dräger Jaundice Meter JM-105

The Dräger Jaundice Meter JM-105 gives you consistent quality screening, cost-effectively delivered over the lifetime of the device. As a result you optimize the efficiency of your jaundice management program, save time and money while delivering an exceptional standard of care.



D-23889-2016

Photo-Therapy 4000

With its high reliability and low running costs, the Photo-Therapy 4000 is recommended as a highly effective piece of pediatric equipment for use in the breakdown of high concentrations of bilirubin.

Technical Data

TECHNICAL SPECIFICATIONS DRÄGER ISOLETTE® 8000 INCUBATOR WITH VARIABLE HEIGHT STAND

Physical Attributes (without options/accessories)

Height	132.6 to 152.7 cm (52.2 to 60.1 in)
Width	104 cm (41 in)
Depth	75 cm (29.5 in)
Weight (without options /accessories)	93 kg (205 lb) ±3%

Hood Specifications

Standard hood includes:	<ul style="list-style-type: none"> – front and rear access panel – 6 access ports – 3 left and 3 right tubing grommets—front – 2 left and 2 right tubing grommets—rear
Access panel opening height	28.0 cm (11 in)
Mattress tray size	40.6 x 81 cm (16 x 32 in)
Mattress to hood height	41.2 cm (16.25 in)
Soft bed mattress size	40 cm x 76 cm x 2.3 cm (15.7 in x 29.9 in x 0.9 in)
Mattress tilt	±12° (±1°), continuously variable

Variable Height Specification

Casters	4 casters, 12.7 cm (5 in) all with friction brake
Storage volume	Approx. 80 l
Door closing mechanism	Soft-stop hinges
Opening angle of the doors	> 90°
Variable height stand accessories	<ul style="list-style-type: none"> – Gas tank mount – Shelf – IV pole

Controller System

Algorithm type of the Servo Control System	PID (Proportional Differential Integral) control algorithm
Controller with LCD	With brightness control
Selectable color combinations	White on blue background (default) or yellow on black background
RS-232 output	Yes
Keypad lock	Yes

Temperature Control Modes

Temperature control modes	Skin and air temperature control mode
Air mode control temperature range	20.0 °C (68.0 °F) to 37.0 °C (98.6 °F)
Air mode control override temperature range	37.0 °C (98.6 °F) to 39.0 °C (102.2 °F)
Skin mode control temperature range	34.0 °C (93.2 °F) to 37.0 °C (98.6 °F)
Skin mode control override temperature range	37.0 °C (98.6 °F) to 38.0 °C (100.4 °F)
Dual-skin temperature monitoring	Yes

Trend Parameters

24-hour trend	<ul style="list-style-type: none"> – Air temperature – Skin temperature (1 and 2) – Relative humidity – Oxygen concentration – Heater power
7-day trend	<ul style="list-style-type: none"> – Weight gain and loss

Performance

Air flow velocity across mattress	< 10 cm/sec
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Technical Data

Temperature rise time at 22 °C (72 °F) ambient	< 35 min
Temperature variability	< 0.5 °C
Temperature overshoot	< 0.5 °C maximum
Temperature uniformity with a level mattress	< 0.8 °C
Correlation of the indicated air temperature to the actual incubator temperature (after the incubator temperature equilibrium is reached)	0.8 °C
Operating noise level in hood	< 47 dBA (without servo Oxygen Control)
Servo Controlled Oxygen	
Carbon Dioxide (CO ₂) level (per EN60601-2-19)	< 0.5%
Micro air intake filter	99.9% efficiency
Particle size removal	0.3 micron
Servo Humidity Option	
Humidity control range	30 to 95% in 1% increments
Humidity control operating time without refilling	24 hours maximum @ 85% RH and 36 °C, in Air Mode
Humidity control reservoir capacity	1,600 ml
Humidity display accuracy	±6% RH (between 10% and 90% at 20 °C (68 °F) to 40 °C (104 °F))
Servo Oxygen Option	
Oxygen control range	21% to 65%
Oxygen control accuracy of full scale	±2%
Oxygen display accuracy (100% calibration)	±3%
Oxygen display accuracy (21% calibration)	±5%
Oxygen display resolution	1%
Scale Option	
Weight range	0 (0 lb) to 7 kg (15.4 lb) 1%
Weight display resolution	1 g or 1 oz (OIML = 10g or 1 oz)
Weight accuracy	2 g ± 1/2 digit up to 2 kg (OIML = 10 g) 5 g ± 1/2 digit over 2 kg
Device Classification	
Protection class	Class I, Type BF, continuous operation, not AP
Ingress of liquids	IPX0

Notes

Notes

Not all products, features, or services are for sale in all countries.
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CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany
www.draeger.com

Manufacturer:

Draeger Medical Systems, Inc.
3135 Quarry Road
Telford, PA 18969-1042, USA

REGION DACH

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION EUROPE

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION MIDDLE EAST, AFRICA

Drägerwerk AG & Co. KGaA
Branch Office
P.O. Box 505108
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699
contactuae@draeger.com

REGION ASIA PACIFIC

Draeger Singapore Pte. Ltd.
25 International Business Park
#04-20/21 German Centre
Singapore 609916
Tel +65 6308 9400
Fax +65 6308 9401
asia.pacific@draeger.com

REGION CENTRAL AND SOUTH AMERICA

Dräger Panama Comercial
S. de R.L.
Complejo Business Park,
V tower, 10th floor
Panama City
Tel +507 377 9100
Fax +507 377 9130
contactcsa@draeger.com

Locate your Regional Sales
Representative at:
www.draeger.com/contact

