

Isolette® 8000 plus Neonatal Closed Care

Dräger sets the standard for thermoregulation with innovative performance features designed to provide a stable, cocoon-like environment for the baby. To ensure that a thermo-neutral zone is maintained, the Isolette® 8000 plus enables you to continuously monitor both the central and peripheral body temperature of the neonate.



Technical Data

Proven concept with advanced technology

The ability to sustain a stable thermo-neutral microenvironment has made Dräger a trusted resource in thermoregulation. The Isolette® brand is a proven and reliable design that has been respected by caregivers across the globe for decades. The advanced thermoregulation system, controlled by Dräger's proportional integral derivative algorithm, keeps the baby in a stable environment. Dual air curtains and preemptive regulation mechanisms help maintain this environment during access to the infant. Thermomonitoring allows you to monitor the baby's central and peripheral skin temperatures. Trends on the display offer a clear visual representation to help you determine the infant's energy expenditure and risk of hyper- or hypothermia.

You can manually set humidity levels or select Auto mode so the Isolette 8000 plus will automatically adjust the humidity level based on the air temperature setting.

Supports developmental care

The Isolette 8000 plus includes features to support your unit's developmental care practices. More than ever before, families are being incorporated into the care team and the Isolette 8000 plus makes their integration easier. The widely variable height adjustment range allows parents to get in close to their baby, even when in a bed or wheelchair. Kangaroo Care mode allows parents to practice skin-to-skin care with minimal alarms and continuous temperature monitoring, while the Isolette's settings are kept stable for the baby's return.

Designed with your workflow in mind

Easy access to the neonate, convenient height adjustment, and easy-to-reach controls support your workflow. The incubator is compact and lightweight, with smooth castors and ergonomic, foot-actuated brake that allow virtually effortless movement – even in congested NICU settings. An integrated scale and X-ray system simplify procedures, while Medibus.X functionality make patient data transfer effortless.

Hygienic design supports infection control

The Isolette 8000 plus includes an innovative Condensation Management System designed to support current hospital practices for enhancing infection control. Dräger developed this system to isolate the condensate from the incubator compartment from the humidity system's clean water supply. In addition, the entire humidity system can be easily removed for quick and effective machine cleaning after every patient.

Accessories

D-33514-2009



Developmental Care

Dräger supports developmental care with a wide range of accessories. Our positioning aids replicate the infant's position in utero as closely as possible. Within this environment, the infant can bring its hand to its mouth, brace its feet against a wall, and snuggle down into its nest. Incubator covers reduce light and noise to help create a more peaceful environment for the infant.

Related Products

MT-1671-2003



Architectural Systems

Dräger offers a variety of innovative workplace infrastructure solutions to optimize processes and workflow.

D-73941-2012



Dräger Babylog® VN500

The Babylog® VN500 combines Dräger's years of experience with the latest ventilation technology. The result is a complete, integrated ventilation solution specifically designed for the tiniest neonate.

Related Products

D-86399-2013



Dräger Jaundice Meter JM-105

With the Dräger Jaundice Meter JM-105, you can accurately identify at-risk infants as young as 24 weeks gestational age. Effective jaundice screening can decrease readmission rates and durations of stay. Having dependable results in seconds rather than hours increases patient safety and expedites decision making.

D-12195-2016



BiliLux®

BiliLux® is a compact, lightweight LED phototherapy light system for the treatment of neonatal unconjugated hyperbilirubinemia. It provides superior performance and lets you individualize therapy to meet the needs of each infant. Electronic documentation capabilities eliminate transcription errors and support a more complete medical record.

D-50037-2012



Dräger VarioLux®

The Dräger VarioLux® is a cool and highly efficient variable intensity examination light specially designed for use in neonatal intensive care settings. Made for single-handed operation, it features adjustable color settings and a dimmer function.

D-19701-2009



Infinity® M540

Streamline workflows with a monitor that goes from bedside to transport in the push of a button. Leave cables and modules attached to your patient and continue monitoring parameters and alarms in real time, while recording data during travel. Use the Infinity M540 as a standalone monitor, or integrate it with hospital IT to access clinical information systems and data analysis applications.

Technical Data

TECHNICAL SPECIFICATIONS DRÄGER ISOLETTE® 8000 INCUBATOR WITH VARIABLE HEIGHT STAND

Physical Attributes (without options/accessories)

Height	133.3 cm to 153.7 cm (52.5 in to 60.5 in)
Width	104 cm (41 in)
Depth	<76.2 cm (30 in)
Weight (without options /accessories)	≤ 98.5 kg (217.1 lb)

Hood Specifications

Standard hood includes:	front and rear access panel 6 access ports or 4 access doors and 2 iris 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	38 x 74 x 3 cm (15 x 29.1 x 1.2 in.)
Mattress tilt	±12° (±1°), continuously variable

Variable Height Specification

Casters	4 anti-static, dual casters (3 braking casters and 1 steering only caster)
Storage volume	Approx. 80 l
Door closing mechanism	Soft-stop hinges
Opening angle of the doors	> 90°
Variable height stand accessories	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 temperature mode set point range	20.0 °C (68.0 °F) to 39.0 °C (102.2 °F)
Air temperature mode set point override temperature range	37.0 °C (98.6 °F) to 39.0 °C (102.2 °F)
Skin temperature mode set point range	34.0 °C (93.2 °F) to 37.0 °C (98.6 °F)
Skin temperature mode set point 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	Air temperature Skin temperature (1 and 2) Relative humidity Oxygen concentration Heater power
7-day trend	Weight gain and loss

Technical Data

Performance

Air flow velocity across mattress	< 10 cm/sec
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	1,500 ml
Humidity display accuracy	±6% RH (between 10% and 80% 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

USA

Draeger, Inc.
3135 Quarry Road
Telford, PA 18969-1042, USA
Tel +1 800 4DRAGER
(+1 800 437 2437)
Fax +1 215 723 5935
info.usa@draeger.com

CANADA

Draeger Medical Canada Inc.
2425 Skymark Avenue, Unit 1
Mississauga, Ontario, L4W 4Y6
Tel +1 905 212-6600
Toll-free +1 866 343 2273
Fax +1 905 212-6601
Canada.support@draeger.com

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

