



Isolette 8000 plus

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 plus enables you to continuously monitor both the central 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 proportional-integral-derivative algorithm, keeps the baby in a stable environment. While 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 while in Skin Mode. The trends on the display offer a clear visual representation to help you determine the infant's risk for hyper- or hypothermia as well as the infant's energy expenditure. Now, you can manually set humidity levels or select Auto mode so the Isolette 8000 plus will automatically set and adjust the humidity level based on the air temperature setting.

Focused on Developmental Care

The Isolette 8000 plus now also includes features to support your unit's developmental care practices. More so than ever before, families are being incorporated into the care team and the Isolette 8000 plus makes their integration that much easier. The wide 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 peacefully practice skin-to-skin care with minimal alarms and continuous temperature monitoring while the Isolette's settings are kept stable for baby's return.

Designed with your workflow in mind

Easy access to the neonate, convenient height adjustment of the incubator and easy to reach controls make it a great incubator for any NICU. Lightweight, compact footprint, smooth castors and ergonomic foot-actuated brakes allow virtually effortless movement, even in congested NICU settings. The integrated scale and x-ray keep simple procedures simple. The Isolette 8000 plus now has Medibus.X functionality to make patient data transfer effortless.

A hygienic concept that is pure genius

The Isolette 8000 plus includes an innovative Condensation Management System that is specifically designed to address hospitals' current practices for enhancing infection control and supporting a hygienic care setting. Dräger developed this system so the condensate from the incubator compartment is isolated from the clean water supply of the humidity system. In addition, the entire humidity system can be easily removed for quick, convenient yet effective hygienic reprocessing after every patient.

Related Products

MT-1.671-2003



Architectural Systems

Process- and Workflow-optimized solutions.

D-5755-2018



Dräger Babylog VN800

The Dräger Babylog comes with a new user interface and design which makes it easier and safer for you to operate. The neonatal ventilator supports lung and brain protective ventilation modes throughout the whole respiratory cycle. It supports smooth and seamless transition from O₂ therapy to non-invasive ventilation to invasive ventilation and vice versa. The Dräger Babylog ventilators can be easily integrated in a developmental care-friendly workplace.

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, which can help save time and money while delivering an exceptional standard of care.

D-12195-2016



BiliLux

The BiliLux is a compact and lightweight LED phototherapy light system for the treatment of neonatal unconjugated hyperbilirubinemia. It provides superior phototherapy performance, individualised therapy with electronic documentation capabilities, and the flexibility for seamless integration into practically every workplace.

Related Products



D-50637-2012

Dräger VarioLux

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

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

Technical Data

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

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))

Technical Data

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

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