

## 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 sterilization after every patient.

## 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-86396-2013

### 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 jaundice. It provides superior phototherapy performance, individualised therapy with electronic documentation capabilities and the flexibility for seamless integration into practically every workplace.



D-50837-2012

### 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.



MT-8865-2006

### Infinity® Delta and Delta XL Patient Monitors

With the Delta series, you can monitor the vital signs of adult, pediatric and neonatal patients with various acuity levels. Patented Pick and Go® technology enables the same monitor to stay with the patient at the bedside and on transport – providing continuous monitoring and data collection.

## 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 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	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 <sub>2</sub> ) 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 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.  
Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to [www.draeger.com/trademarks](http://www.draeger.com/trademarks) to find the current status.

### **CORPORATE HEADQUARTERS**

Drägerwerk AG & Co. KGaA  
Moislinger Allee 53–55  
23558 Lübeck, Germany  
[www.draeger.com](http://www.draeger.com)

### **Manufacturer:**

Dräger 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](mailto: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](mailto: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](mailto:contactuae@draeger.com)

### **REGION ASIA PACIFIC**

Dräger 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](mailto:asia.pacific@draeger.com)

### **REGION CENTRAL AND SOUTH AMERICA**

Dräger Panama S. de R.L.  
59 East Street, Nuevo Paitilla  
House 30, San Francisco Town  
Panama City, Panama  
Tel +507 377 9100  
Fax +507 377 9130  
[servicioalcliente@draeger.com](mailto:servicioalcliente@draeger.com)

Locate your Regional Sales  
Representative at:  
[www.draeger.com/contact](http://www.draeger.com/contact)

