Air-Shields® Isolette® C450 QT

Infant Incubator

Application

The Air-Shields® Isolette® C450 QT Infant Incubator has been developed to address the unique requirements of infants.

The Air-Shields® Isolette® C450 QT Infant Incubator provides thermally controlled environment required for any neonate. The incubator features both baby and air modes of operation.

The important addition of Quiet Touch QT™ features to the Isolette® Infant Incubator helps to reduce adverse stimulation shown to have an effect on the well-being of these neonates.

Air-Shields®
A Dräger Medical Brand

Features

Microprocessor-based controller

Our microprocessor-based controller features large, bright displays that are easy to see for viewing from a distance or at an angle. This controller is user-friendly and removable for cleaning or maintenance. A keypad lock helps prevent inadvertent changes to user settings. All control buttons provide tactile feedback with visual conformation of changes, while the smooth front panel design is easy to clean.

Double Wall Hood

Air-Shields® Double Wall Hood is designed to decrease radiant heat transfer between the baby and the incubator walls. The inner wall can be easily removed for cleaning without the use of tools.

Air Curtain

The Air-Shields® Isolette® C450 Incubator incorporates a patented Air Curtain. The Air Curtain creates a barrier of warm air when the access panel is open. This unique feature allows total access while helping to minimize the drop in the air temperature within the incubator hood.

Standard Features

- Quiet Touch QT™ port door latches reduce unnecessary noise
- Patented Air Curtain to reduce temperature fluctuations during access
- Smooth functioning, continuously variable mattress tilts
- Large hood for improved access
- Removable microprocessor controller with keypad lock
- Iris ports for ventilation tubing support
- Auxiliary air probe for accurate air temperature measurement directly above the baby

Technical specifications

Physical characteristics

Height	55 in (140 cm)
Width*	38 in (97 cm)
Depth*	20 in (51 cm)
Weight	168 lbs (76 kg)
*Note: Wheels can add 3 each (6 max) to width or depth. Unit detaches from stand	
Adjustable mattress tilts	±9° ±1°
Wheels	5" diameter, Antistatic type

Mattress

Width	25 in (63 cm)
Depth	13.75 in (35 cm)

Physical characteristics with guard rail option

Width	45.25 in (115 cm)
Depth	22 in (56 cm)
Weight of guard rail	13.5 lbs (6 kg)

Temperature sensor

Standard air mode	Fixed air temperature probe thermistor, and auxiliary air probe
Baby (skin) mode control	Via reusable or disposable skin probes

Power requirements

Voltage range	100-240 VAC ± 10%
Frequency	50/60 Hz
Power consumption	500 W max

Performance characteristics

Air Curtain included as standard

Baby (servo skin) control*

Range

Accuracy

Air control

Range

Accuracy

Oxygen concentration

Range

Humidity

Internal reservoir up to 70% RH

Dew-ette® 2 servo humidity option

Displays and controls

Auto key lock

Air mode default

Baby mode default

retains last setting override

Alarm silence	15 min
Power fail silence	2 min
Heater power indicator	0% to 100% in 20% increments by amber LED bar indicator

Alarms

Remote alarms optional

Baby set temp

High air set temperature

Low air set temperature

High air temperature

Set temperature < 37°C

Set temperature >37°C

Probe alarms activated by:

Baby (skin) probe failure

Air thermistor probe failure

Auxiliary air probe failure

System alarms

Air flow fail

Power failure

System failure

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