

Enthermics
MEDICAL SYSTEMS

Blanket & Fluid Warmers



www.enthernics.com | www.ivnow.com
262-251-8356 | 800-TO-B-WARM
ISO 13485:2003 Certified

DC Series *Blanket warmers*



***Comforting heat
has never looked
so good! DC Series
Blanket Warmers
from Enthermics
supply warm
blankets to your
patients in an
attractive and
temperature-
precise package.***

DC Series blanket warmers use WarmRight® technology with multiple zone heating that monitors chamber surface temperatures to ensure safe ranges. An efficient, balanced control ensures low energy consumption and minimal heat loss while maintaining temperatures between 37-82°C (98-180°F).

Interior lighting casts a comforting blue glow with two different intensity settings. Epoxy-coated interior surfaces are easy to clean and a hands-free, push button door release makes it easy to load with an armful of blankets. An optional timer allows the user to program the control to automatically turn on and off at a selected time.



DC150

- Interior size: 1.5 ft³
- Exterior size: 16-15/16" H; 18-1/2" W; 19-13/16" D
- 3/4" rubber feet standard; 3" casters optional
- Timer feature optional



DC250

- Interior size: 2.5 ft³
- Exterior size: 21-15/16" H; 18-1/2" W; 22-13/16" D
- 3/4" rubber feet standard; 3" casters optional
- Timer feature optional



DC350

- Interior size: 3.5 ft³
- Exterior size: 27-15/16" H; 18-1/2" W; 22-13/16" D
- 3/4" rubber feet standard; 3" casters optional
- Heated center shelf
- Timer feature optional



DC400

- Interior size: 4.0 ft³
- Exterior size: 21.9" H x 24.0" W x 27.0" D
- 3/4" rubber feet standard; 3" casters optional
- Timer feature optional



DC750

- Interior size: 7.5 ft³
- Exterior size: 34.9" H x 24.0" W x 27.0" D
- 3/4" rubber feet standard; 3" casters optional
- Heated center shelf
- Timer feature optional



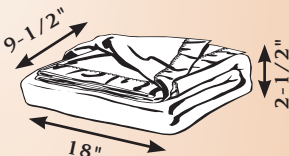
Size it Right

Which blanket warmer capacity is right for you? It's a frequently asked question and determining the right size is important. It just takes a little math. The best way to ensure a continuous supply of warm blankets throughout the day is to put half of the warmer in use, and the other half in reserve. Warm blankets should be withdrawn from the section in use until empty, and then re-stocked with cold blankets. Warm blankets from the section held in reserve should then be used. Alternating between two halves of the warmer can continue indefinitely, providing a continuous supply of warm blankets.

For warmers with double doors, it's easy to split the machine in half. For single door warmers, split the chamber between the top and bottom shelves. Remember, the blankets in reserve need the proper time to warm up, and the number of blankets in use must be sufficient to last through this warm-up period. Our larger blanket warmers take approximately two hours to warm to 93°C (200°F) and our smaller warmers are more appropriate for intermittent blanket use than continuous use. A properly sized warmer should hold enough blankets in half of the warmer for two hours of use.

Calculating which size warmer is best for you:

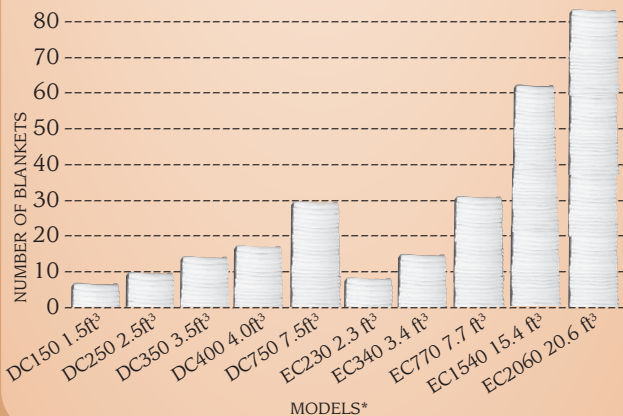
- 1. Fold one blanket** any way you'd like, being sure not to compress the blanket.
- 2. Measure** the width, depth and height of the blanket in inches.
- 3. Convert** to cubic foot volume.



$$\frac{W \times D \times H}{1728} = \text{cubic foot volume}$$

- 4. How many blankets** do you use in a two hour period?
- 5. Step 3 x Step 4 x 2 (halves) = total capacity needed**

Blanket capacities based on a blanket sized 0.25 ft³:



*Capacities are approximate.

Blanket warmers EC Series

The entire line of Enthermics warming cabinets is setting the standard for quality. Inside, our chambers remain highly accurate to specific set-point temperatures based on blanket usage. Outside, we offer a variety of features that make your warming cabinets look great and function optimally.

Stainless Steel Cabinets –

Rugged and luxurious, these beautiful cabinets are built for years of trouble-free service.

Easy-Grip Handles – Our handles were designed specifically for heavy use while our magnetic latches keep the heat in.

Heavy-Duty Casters – These smooth-rolling wheels make putting your unit in place easy while the wheel locks keep it in place.



Full Perimeter Bumpers –

Available on select models, these bumpers protect your unit's exterior from unnecessary wear.

Other features, including insulated glass, an overtemp alarm, and LED displays, make Enthermics warming cabinets the right choice.

Counter-size Warmers

Place counter-size warmers on or below counters.

EC230

- Interior size: 2.3 ft³
- Exterior size: 20-1/2" H; 16-1/8" W; 26" D
- Counter-top model
- Stackable with EC230 series
- Door swing: right standard; left optional
- 6" legs, 3" and 5" casters optional



EC340

- Interior size: 3.4 ft³
- Exterior size: 32-7/16" H; 17-1/2" W; 21-1/8" D
- Floor or counter-top model
- Stackable with EC340 series
- Door swing: right standard; left optional
- 5" casters standard; 6" legs optional
- Full-perimeter bumper optional (shown)



Floor-standing Blanket Warmers

Floor-standing warmers can be built into walls or alcoves.
(Subject to venting requirements.)

EC770

- Interior size: 7.7 ft³
- Exterior size: 40-7/16" H; 22-1/8" W; 31-15/16" D
- Stackable with EC770 series
- Door swing: right standard; left optional
- 5" casters standard; 6" legs optional
- Full-perimeter bumper optional (shown)
- Pass-through feature optional



EC1540

- Interior size: 15.4 ft³, 7.7 ft³ per chamber
- Exterior size: 72-7/16" H; 22-1/8" W; 31-15/16" D
- Door swing: right standard; left optional
- 5" casters standard; 6" legs optional
- Full-perimeter bumper optional (shown)
- Pass-through feature optional



EC2060

- Interior size: 20.6 ft³
- Exterior size: 71-5/8" H; 31" W; 27-1/4" D
- Door swing: right standard; left optional
- 5" casters standard; 6" legs optional
- Pass-through feature optional



Fluid ivNow® warmers

U.S. Patent WO 2010/030746; Canadian Patent 2692640



ivNow modular fluid warmers put warmed fluid at your fingertips where you need it, when you need it. ivNow fluid warmers are small, convenient units that can be placed on counter tops, walls, or on mobile units depending on your requirements.

ivNow quickly warms and maintains safe temperatures of IV and irrigation fluids. The contoured warming surface cradles 0.5-, 1-, 2- and 3-liter solution bags. (Two- and 3-liter IV bags require additional tilt stand hardware.) Each cavity is features an individual control and L.E.D. display. A sensor in the heating plate detects the presence of a bag and engages the heating mechanism to quickly warm the fluid. Two temperature sensors continuously read the

temperature of the fluid bag to engage the heater as necessary to maintain the fluid temperature within $\pm 0.2^{\circ}\text{C}$ ($\pm 0.3^{\circ}\text{F}$) of the set point temperature.

ivNow warmers ensure your fluids are kept at the proper temperature and are always immediately available at or close to body temperature rather than room temperature without the added expense and set-up time required with in-line warming systems.



See ivNow in action at www.ivnow.com/video or visit www.ivnow.com/calculator to see just how quickly ivNow can pay for itself!

Fluid warmers

ivNow-1

- Total capacity: 1 bag
- Exterior size: 8" H; 14-1/2" W; 6-3/4" D
- Place directly on counter top, mount on optional counter top pedestal stand, mount on mobile equipment pole stand, mount on a wall using mounting brackets, or mount to a 3-L bag tilt kit.



ivNow-1 shown with 3L bag and tilt stand

ivNow-2

- Total capacity: 2 bags
- Exterior size: 13-7/16" H; 14-1/2" W; 6-3/4" D
- Place directly on counter top, mount on a counter top pedestal stand, a heavy duty mobile equipment pole stand, mount on a wall using mounting brackets, or mount to a 3-L bag tilt kit.



ivNow-3

- Total capacity: 3 bags
- Exterior size: 18-1/8" H; 14-1/2" W; 6-3/4" D
- Must be mounted on a counter top pedestal stand, a heavy duty mobile equipment pole stand, on a wall using mounting brackets, or on a 3-L bag tilt kit.



ivNow-4

- Total capacity: 4 bags
- Exterior size: 24-1/4" H; 14-1/2" W; 6-3/4" D
- Must be mounted on a wall using mounting brackets.



ivNow-5

- Total capacity: 5 bags
- Exterior size: 29-5/8" H; 14-1/2" W; 6-3/4" D
- Must be mounted on a wall using mounting brackets.



ivNow-6

- Total capacity: 6 bags
- Exterior size: 35" H; 14-1/2" W; 6-3/4" D
- Must be mounted on a wall using mounting brackets.



Simple, Precise, Cost-Effective

- Simply place an IV bag in the ivNow
- Warm IV fluids in less than 30 minutes to 40°C
- Automatically turns on when a bag is placed on cradle and turns off when bag is removed
- Install almost anywhere: on counters, on the wall, or on mobile equipment poles
 - Eliminate time spent setting up and handling in-line IV warming disposables
 - Reduce in-line warming disposable costs

EC Series

Fluid warmers

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Stainless Steel Cabinets – Rugged and luxurious, these beautiful cabinets are built for years of trouble-free service.



Easy-Grip Handles – Our handles were designed specifically for heavy use while our magnetic latches keep the heat in.

Locking Handles – Keep your warmed fluids safe from theft and tampering with this keyless security option.



Heavy-Duty Casters – These smooth-rolling wheels make putting your unit in place easy while the wheel locks keep it in place.



Full Perimeter Bumpers – Available on select models, these bumpers protect your unit's exterior from unnecessary wear.

Other features, including insulated glass, overtemp alarm, LED displays, and pass-through option, make Enthermics warming cabinets the right choice.

Counter-size Warmers

Place counter-size warmers on or below counters.

EC230L

- Total capacity: 11 1-liter bottles or 16 1-liter bags
- Exterior size: 20-1/2" H; 16-1/8" W; 28" D
- Counter-top model
- Stackable with EC230 series
- Door swing: right standard; left optional
- 6" legs, 3" and 5" casters optional
- *WarmWatch*® optional



EC340L

- Total capacity: 18 1-liter bottles or 30 1-liter bags
- Exterior size: 33-15/16" H; 20-1/2" W; 29-3/4" D
- Illuminated interior
- Floor or counter-top model
- Stackable with EC340 series
- Door swing: right standard; left optional
- 5" casters standard; 6" legs optional
- Full-perimeter bumper standard
- *WarmWatch*® optional



EC390L

- Total capacity: 18 1-liter bottles or 28 1-liter bags
- Exterior size: 25-7/16" H; 30-1/4" W; 21-3/16" D
- 18" chamber depth for built-in applications
- Illuminated interior
- Door swing: right standard; left optional
- 1" leveling feet standard
- *WarmWatch*® optional



EC Series *Fluid warmers*

Floor-standing Warmers

Floor-standing warmers can be built into walls or alcoves.
(Subject to venting requirements.)

EC770L

- Total capacity:
54 1-liter bottles or
42 1-liter bags
- Exterior size:
40-3/4" H;
25-1/4" W; 35" D
- Illuminated interior
- Stackable with
EC770 series
- Door swing:
right standard;
left optional
- 5" casters standard;
6" legs optional
- Full-perimeter
bumper standard
- WarmWatch®
optional



EC1260BL

- Total capacity:
 - Blanket chamber: 8.7 ft³
 - Fluid chamber: 18 1-liter
bottles or 28 1-liter bags
- Exterior size: 70-1/8" H;
30-1/4" W; 21-3/16" D
- 18" chamber depth for
built-in applications
- Illuminated interior
- Door swing: right
standard; left optional
- 1" feet
- WarmWatch® optional



EC1540BL

- Total capacity:
 - Blanket chamber: 7.7 ft³
 - Fluid chamber: 54 1-liter bottles or 42 1-liter bags
- Exterior size: 72-3/4" H; 25-1/4" W; 35" D
- Illuminated interior
- Door swing: right standard; left optional
- 5" casters standard; 6" legs optional
- Full-perimeter bumper standard
- *WarmWatch*® optional



EC1730BL

- Total capacity:
 - Blanket chamber: 11.8 ft³
 - Fluid chamber: 30 1-liter bottles or 24 1-liter bags
- Exterior size: 71-3/4" H; 31-1/8" W; 27-3/16" D
- Illuminated interior
- Door swing: right standard; left optional
- 5" casters standard; 6" legs optional
- Pass-through option
- *WarmWatch*® optional



Fluid warmer monitoring

WarmWatch®

provides peace of mind
and saves time.

The optional *WarmWatch®* package features real-time monitoring for quick and easy visual temperature confirmation and ensures set-point accuracy is maintained. These temperatures are recorded and analyzed to provide convenient, reliable data analysis and trend graphing for the life of the warmer. *WarmWatch* includes the following:



Dual Temperature Readout –

Provides visual verification that the unit is keeping its contents to the proper set-point temperature.

Integrated USB Port –

Mounted flush to the face of the control panel, this port provides easy access to stored data.



Reporting Capabilities –

Recorded data can be uploaded and used to verify performance and report the temperature accuracy.

WarmWatch Features

Continuous Independent Temperature Verification

- Real-time temperature monitoring via an independent monitoring probe
- Displays set-point and actual temperature simultaneously
- $+0/-1.1^{\circ}\text{C}$ ($+0/-2^{\circ}\text{F}$) when set between $37 - 43^{\circ}\text{C}$ ($98 - 109^{\circ}\text{F}$)
- $+0/-1.7^{\circ}\text{C}$ ($+0/-3^{\circ}\text{F}$) when set between $43 - 66^{\circ}\text{C}$ ($110 - 150^{\circ}\text{F}$)

Digital Documentation and Reporting

- Stores up to six months of data and displays a warning when the unit approaches its memory limit
- Downloading begins automatically when a USB flash drive is connected to unit
- Accuracy report includes:
 - Dates included in evaluation
 - Number of days included in report
 - Number of readings evaluated for accuracy calculation
 - Number of readings excluded from accuracy calculation due to a door opening within two hours of reading
 - Frequency of readings used in evaluation
 - Mode of fluid warming (injection or irrigation)
 - Set-point temperature
 - Average temperature
 - Temperature range during evaluation time period
 - Accuracy evaluation indicating whether unit successfully maintained accuracy parameters while set to selected set point
 - Warmer model number, serial number, and date of manufacture
 - Date of report/download
 - Software version
- Raw temperature data reported in a comma-delimited (CSV) file



Mix & match stacking

Warmer combinations

Blankets, irrigation fluids and injection fluids oftentimes need to be warmed to different temperatures. The Enthermics line of blanket and fluid warmers gives the customer the opportunity to match the right temperature to the right product.

And only Enthermics offers so much variety — so many different cabinet sizes and types — with interior chambers from 1.5 ft³ to 20.6 ft³. Stack multiple units to create many different blanket/blanket, blanket/fluid and fluid/fluid warming configurations to fit your requirements.

With this many choices, you can assess each department's needs and purchase accordingly. A custom fit can be created depending on the capacity needed in each area. This much flexibility allows for future growth too. Our stacking option is not only available when two new units are purchased; it can be employed later when a new warmer is ordered and is stacked on an existing unit.

Possible Stacking Combinations

Fluid Models

Blanket Models



EC-230L



EC-230



EC-340L



EC-340



EC-770L



EC-770



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