

Refrigerators, Blood Storage (+4°C)

FEATURES

Thermoline are now offering the Fiocchetti Emoteca range of blood bank refrigerators. There are seven models available ranging from 40 to 672 bag capacities.

It is important to know that equipment used to store blood and blood derived products is subject to strict regulations and therefore must be certified for use. These regulations are to ensure that all equipment features the correct temperature control and monitoring devices, high and low temperature alarms plus temperature logging features so blood can be stored and monitored safely.

The Fiocchetti blood storage refrigerators comply with all local and international 'medical device' regulations making them an ideal option for hospitals and medical centres across Australia.

The Emoteca range features the latest controller technology with backlit alphanumeric LCD display and many unique functions including an advanced defrosting feature that allows efficient defrosting cycles which reduces temperature variations and power consumption.

Blood storage refrigerators with twin refrigeration systems for added security are also available. See page R-7 for details.

Emoteca Series Quick Points

- Slideout aluminium drawers which have height adjustment
- Double glazed door (reversible to suit your location)
- Lockable self closing door/s
- Internal light
- Automatic condensate disposal
- Lockable castors
- BMS contacts to connect to a Building Management System



DME 0140-60
(60 bag)



DME 0400-180
(180 bag)

Complies with the following standards:

- ISO 061010
- AS 3864-1997
- TGA Listed (ARTG 167698)
- ISO13485 Medical Devices Standard
- CE Certified.



The DMLP Printer is used to create a historic list of data recorded. It's inkless and uses standard thermal paper. It performs an automatic weekly print and an automatic print of alarms (with date, hour, alarm and maximum temperature reached). Several print on request options are also available such as daily print and a continuous print to monitor specific processes (door open, alarms and faults). Temperatures can be printed in both tabular and graphic modes, with different resolution degrees.



Sliding aluminium drawers are used in the Emoteca range which allow for the easy storage and retrieval of blood bags. The drawers are extractable on telescopic guides, are adjustable in height and also have moveable dividers. Each drawer can be completely removed should more room be required within the cabinet. The base of the drawers is made with open wire mesh to ensure air circulation throughout the cabinet is maintained.

Electronic SD Card

The Emoteca range features an independent digital alarm system which monitors all temperature and alarm functions. This monitor is the first system ever equipped with an extractable secure digital card able to record data for over five years which can then be downloaded to any Windows PC using the Capture 4 software supplied.

System Check

A simple 'system test' can be made by pressing and holding the 'test' button on the front panel. This will test the backup battery, signalling buzzer, audible and visual alarms and simulate a door open alarm.

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Anti-Mist Lockable Front Doors

All cabinets have an anti-mist front glass door which is manufactured from triple thermal insulated glass. High capacity fully insulated doors are used which help to maintain the set temperature inside the cabinet. A magnetic PVC gasket helps to keep the door securely closed and prevent cold air escaping. When the door is opened, a micro switch automatically stops the circulating fan and turns on the internal light. Key lockable doors are supplied with each cabinet to keep your products safe should you leave the refrigerators unattended.

Advanced Defrosting System

These refrigerators feature an advanced defrosting system which is only operated when necessary and it not on pre-set cycle times. This will reduce power consumption and increase stability and uniformity of internal temperatures.

Solid Construction

The cabinet is constructed internally and externally from white colorbond steel, has rounded back corners and a dished bottom. Heavy duty castors are used to keep the refrigerators stable when they are being moved. Cabinets constructed with stainless steel internal and external are available at an extra cost.



DME 1500-672
(672 bag)

Optional Low and High Alarm Tests

The monitoring devices on the Fiocchetti blood bag refrigerators can be easily tested using a simple 'push button' test developed by Thermoline. This test, which only takes a few seconds, will activate the low and high alarms on the refrigerator. The results will be recorded and displayed on the printer or chart recorder. This addition to the refrigerators will eliminate manual testing which requires users to remove the temperature sensor and submerge it in an ice slurry to rapidly decrease the temperature (activating the low temperature alarm), then heat the sensor by holding it tightly to increase the temperature (activating the high temperature alarm).

There are two recording options which are available:



Option 1: Simple press button to activate and view the low (no manual ice cooling procedure needed) and high alarms. Results printed out. Low temperature by peltier cooling.
Order Code: T-AT



Option 2: Circular chart recorder instead of printer is available. 7 Day / 115cm chart with temperature range band. 100 charts supplied. Battery backed up. Shows alarm activation if used with "Option 1".
Order Code: TCR-115

ORDER CODE	500ml BAG CAPACITY	DIM. EXT HxWxD cm	TEMP. RANGE	LITRES CAPACITY	DRAWERS	APPROX WEIGHT
DME 0140-40	40	94x52x64	+4°C	140	2	60kg
DME 0140-60	60	94x52x64		140	3	65kg
DME 0170-90	90	129x60x66		170	3	90kg
DME 0250-156	156	153x60x78		250	4	100kg
DME 0400-180	180	196x60x66		400	5	160kg
DME 0700-336	336	205x72x83		700	7	300kg
DME 1500-672	672	205x144x82		1500	14	395kg

Refrigerators, Blood Storage with Twin Refrigeration Systems (+4°C)



DMW 0700 Twin-336



DMW 1500 Twin-672

FEATURES

The Emoteca Twin series are similar to the Emoteca range detailed on page R-5, however they feature twin refrigeration systems for added security.

This twin system works with two autonomous cooling circuits which alternate during normal operation cycles to maintain the set temperature.

In case of temperature alarm and/or functional failure there is an automatic switch over of the two circuits

Emoteca Twin Series Features

- Slideout aluminium drawers which have height adjustment
- Double glazed door (reversible to suit your location)
- Lockable self closing doors
- Internal light
- Automatic condensate disposal
- BMS contacts to connect to a Building Management System

OPTIONS

Automatic one push of a button procedure to raise and lower the sensor temperature to test the high/low alarms. See page R-6 for full details of this feature.

Complies with the following standards:

- ISO 061010
- AS 3864-1997
- TGA Listed
- ISO13485 Medical Devices Standard.
- CE Certified.

ORDER CODE	500ml BAG CAPACITY	DIM. EXT HxWxD cm	TEMP. RANGE	LITRES CAPACITY	DRAWERS	APPROX WEIGHT
DMW 0700 TWIN-336	336	205x72x83	+4°C	700	7	160kg
DMW 1500 TWIN-672	672	205x144x82		1500	14	280kg