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Upright Regriferators

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Upright Refrigerators BLOOD BANK REFRIGERATORS + 4° C



PROFESSIONAL BLOOD BANK REFRIGERATORS MODELS EBB

TEMPERATURE SET AT + 4° C

EBB 701 C with 5 optional drawers and triple heated glass door





PROFESSIONAL BLOOD BANK REFRIGERATORS MODELS EBB TEMPERATURE SET AT + 4° C

TECHNICAL SPECIFICATIONS

- Temperature digital controller, set at + 4° C (range from + 2° C to 14° C).
- Pt100 probe with 0.1° C accuracy on the display.
- Audible and visible independent alarms for temperature (set at + 6° C and + 1° C), for probe and power failures; NiCd battery back-up, all with battery charger (support over 48 hours).
- Digital controller with digital display.
- Double independent temperature sections controlled in the chamber (optional).
- Temperature circular chart recorder for 7 days, main powered with independent battery back-up; works even with power failures.
- Ventilated air circulation cooling system, distributed uniformly upward, with high homogeneity of the temperature inside the chamber.
- Homogeneity in the chamber of $+/-1,5^{\circ}$ C.
- The probe is inside a container with a liquid, which density is same as bloods.
- Upper and lower temperature memory records.
- Indication for door open, with audible and visible alarms.
- Alarms sound stop switch, protected with key.
- Models with double thermal glass door and big sized handle marked with "C" (in the data chart), acc. selected model**.
- Models with optional solid door (in the data chart).
- Right or left opening available (indicate at the order, factory settings configuration).
- Internal illumination, with a separate switch, in glass door models.
- Magnetic perimeter gaskets on the door, to ensure a perfect airtight closing.
- Security lock with keys on the door.
- Locked main power switch (on/off).
- Probe controlled evaporator with automatic defrost.
- Cooling gas R134a or R404a (acc. the model), CFC and HCFC free, biodegradable.
- Hermetic compressor, built over dampers, low noise < 48dB.
- Internal body according the model (see the data chart, page 7).
- External body according the model (see the data chart, page 7).
- Insulation of 60 mm high density injected cyclopentane, CFC and HCFC free.
- Base with 4 castors, for easy movement (optional).
- Tropical treatment to allow work until + 38° C working area temperature.
- Set of stainless steel drawers with telescopic guides, optional.

SPECIAL OPTIONAL ACCESSORIES FOR BLOOD BANKS REFRIGERATORS

- Model with forced-air flow system, distributed uniformly upward, with high homogeneity of the temperature inside the chamber, in models ERR with improved ventilation, for special aplications with a homogenity better as + /-0,5° C.
- Double or triple heated thermal glass.



Optional: Base with 4 castors, for easy movement.





Optional: Base with 4 castors, for easy movement.



EBB 701 C with optional triple layer heated glass door

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Upright Refrigerators BLOOD BANK REFRIGERATORS + 4° C



PROFESSIONAL BLOOD BANK REFRIGERATORS MODELS EBB

TEMPERATURE SET AT + 4° C

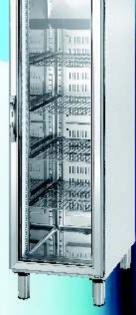
EBBR 344 C with optional homogenity of +/-0,5° C











EBB 182 C with optional 2 drawers

EBB 325 C

OPTIONAL ACCESSORIES for all EBB models

- Double independent section for temperature control in the chamber with 2 different Pt100 temperature probes, with an accuracy on the display of 0,1°, to achieve the whole temperature range inside in all the chamber.
- Set of stainless steel drawers with telescopic guides.
- Storage racking systems and dividers for drawers.
- · Base with 4 castors, for easy movement.
- Double cooling circuit system, with independent compressors and control system, to insure a continuosly working status in case of system failure.
- Optional internal illumination in solid door models.

• Double or triple thermal glass door and heated frame, to avoid condensation in high humidity areas (not available in EBB 140 UC C models).

- Remote control interface connection RS 485/232
- Low-temperature safety thermostat.
- Potential free output for remote alarm control.
- Digital Printer and data loggers.
- Stainless steel wire shelves.
- Access port.
- USB storage data control system.
- GSM phone alarm module.

Durable ABS inner lining, external body of carbon steel, epoxy coated.

| Models with glass door | | Capac. of bloods bags* | | Doors | Internal/ External | N° of shelves | | Compressors HP | Internal Dimensions in mm wide x depth x high | | Packaging weight in Kg gross/net | Packag. Volume in m³ |
|------------------------------|------------|------------------------------|-----|-------|-----------------------|------------------|-----|-------------------|---|------------------|--|----------------------------|
| EBB 140 UC C | EBB 140 UC | 25/30 | 140 | 1 | Epoxy/ABS | 3 | 126 | 1/5 | 440 x 435 x 670 | 600 x 615 x 830 | 49/55 | 0.4 |
| EBB 182 C | EBB 182 | 30/40 | 180 | 1 | Epoxy/ABS | 2 | 126 | 1/5 | 430 x 500 x 680 | 593 x 620 x 832 | 49/55 | 0.5 |
| EBB 344 C | EBB 344 | 190/220 | 344 | 1 | Epoxy/ABS | 4 | 450 | 1/4 | 470 x 470 x 1400 | 600 x 600 x 1850 | 98/87 | 0.9 |
| EBB 554 C | EBB 554 | 280/300 | 554 | 1 | Epoxy/ABS | 4 | 450 | 1/4 | 600 x 550 x 1600 | 750 x 750 x 1880 | 140/120 | 1.2 |

Stainless steel internal and External body AISI 304.

| Models with glass door | | Capac. of bloods bags* | Capac. in Litres | Doors | Internal/ External | Nº of shelves | Power in W | Compressors HP | Internal Dimensions in mm wide x depth x high | External Dimensions in mm wide x depth x high | Packaging Weight in Kg gross/net | Packag. Volume in m³ |
|------------------------------|----------|------------------------------|---------------------|-------|-----------------------|------------------|---------------|-------------------|---|---|--|----------------------------|
| EBB 325 C | EBB 325 | 180/200 | 325 | 1 | Inox* | 4 | 380 | 1/4 | 362 x 598 x 1412 | 482 x 695 x 2100 | 120/98 | 0.6 |
| EBB 381 C | EBB 381 | 200/280 | 381 | 1 | lnox* | 3 | 380 | 1/4 | 480 x 500 x 1500 | 600 x 650 x 2000 | 130/105 | 0.7 |
| EBB 501 C | EBB 501 | 280/300 | 501 | 1 | lnox* | 3 | 600 | 1/4 | 530 x 560 x 1320 | 650 x 725 x 2040 | 130/120 | 1.0 |
| EBB 615 C | EBB 615 | 250/300 | 615 | 1 | lnox* | 4 | 620 | 1/2 | 567 x 689 x 1529 | 687 x 794 x 2125 | 140/125 | 1.2 |
| EBB 701 C | EBB 701 | 300/350 | 700 | 1 | lnox* | 4 | 500 | 3/8 | 590 x 700 x 1390 | 710 x 850 x 2130 | 190/170 | 1.6 |
| EBB 801 C | EBB 801 | 330/380 | 800 | 1 | lnox* | 3+3 | 620 | 3/8 | 960 x 500 x 1500 | 1280 x 650 x 2000 | 170/145 | 2.3 |
| EBB 1001 C | EBB 1001 | 380/420 | 1000 | 2 | lnox* | 3+3 | 500 | 3/8 | 1060 x 560 x 1320 | 1280 x 725 x 2040 | 190/165 | 2.3 |
| EBB 1305 C | EBB 1305 | 520/600 | 1305 | 2 | Inox* | 3+3 | 945 | 1/2 | 1265 x 689 x 1529 | 1385 x 794 x 2125 | 220/190 | 2.7 |
| EBB 1501 C | EBB 1501 | 660/860 | 1500 | 2 | lnox* | 4+4 | 725 | 3/8 | 1300 x 700 x 1390 | 1420 x 850 x 2130 | 240/200 | 2.9 |

*Capacity of 450 ml blood bags change if use drawers or shelves

* Stainless Steel 1 cu ft = 28,3 litres. 1 inch = 25,4 mm.

Upright Refrigerators Professional Models ER and Basic Models EBF

FROM $+ 2^{\circ}$ C to $+ 14^{\circ}$ C



PROFESSIONAL LABORATORY REFRIGERATORS

MODELS ER FROM + 2° C to + 14 °C with alarms battery suported

and BASIC MODELS EBF FROM $+ 2^{\circ}$ C to $+ 14^{\circ}$ C with alarms

ER 344 C



PROFESSIONAL LABORATORY REFRIGERATORS MODELS ER

FROM + 2° C to + 14 °C with alarms battery suported. BASIC MODELS EBF FROM + 2° C to + 14 °C with alarms.

TECHNICAL SPECIFICATIONS for all CR and CBF models

- Temperature controller with display, temperature range from + 2° C to + 14° C.
- Ventilated air circulation cooling system, distributed uniformly upward, with high homogeneity of the temperature inside the chamber.
- Pt1000 probe with 0.1° C accuracy on the display.
- In ER models: Upper and lower temperature records memory.
- In ER Models: Indication for open door, with audible and visible alarms.
- Digital controller with digital display.
- Homogeneity in the chamber of + /- 1,5° C.
- Lockable code protection of the control with numerical password.
- Internal illumination with a separate switch, only in glass door models.
- Models with double thermal glass door and big sized handle marked with "C" (in the data chart), acc. selected model**.
- Models with solid door optional (in the data chart), acc. select model.
- Right or left opening available (indicate at the order factory settings configuration).
- Security lock on the door with keys.
- Locked main power switch (on/off).
- Evaporator with automatic defrost, probe controlled in stainless steel models.
- Cooling gas R134a or R 404a, CFC and HCFC free, biodegradable.
- Hermetic compressor, built over dampers, low noise < 48dB.
- Internal body according the model (see the data chart).
- External body according the model (see the data chart).
- Round corners for easy cleaning.
- Internal shelves of plastic coated steel wire, adjustable in height.
- Magnetic perimeter gasket on the door, to ensure a perfect airtight closing.
- Insulation of 60 mm high density injected cyclopentane, CFC and HCFC free.
- Feet size adjusts equipment height.
- Tropical treatment to allow work until + 38° C working area temperature.

| Models with glass door | Models with solid door | Capac. in Litres | Doors | Internal/ External | Nº of drawers | | Compressors HP | Internal Dimensions in mm wide x depth x high | External Dimensions in mm wide x depth x high | Packaging Weight in Kg gross/net | Packag. Volume in m³ |
|------------------------------|------------------------------|---------------------|-------|-----------------------|------------------|-----|-------------------|---|---|--|----------------------------|
| EBF 54 C | OPTIONAL | 54 | 1 | Epoxy/ABS | 2 | 120 | 1/6 | 450 x 270 x 448 | 540 x 540 x 650 | 40/38 | 0.2 |
| EBF 140 UC C | EBF 140 UC | 140 | 1 | Epoxy/ABS | 3 | 126 | 1/5 | 440 x 435 x 670 | 600 x 615 x 830 | 49/55 | 0.5 |
| EBF 182 C | EBF 182 | 180 | 1 | Epoxy/ABS | 2 | 126 | 1/5 | 430 x 500 x 680 | 593 x 620 x 832 | 49/55 | 0.5 |
| EBF 344 C | EBF 344 | 344 | 1 | Epoxy/ABS | 4 | 450 | 1/4 | 470 x 470 x 1400 | 600 x 600 x 1850 | 98/87 | 0.9 |
| EBF 554 C | EBF 554 | 554 | 1 | Epoxy/ABS | 4 | 450 | 1/4 | 600 x 550 x 1600 | 750 x 750 x 1880 | 140/120 | 1.2 |
| EBF 754 C | EBF 754 | 754 | 2 | Epoxy/ABS | 4+4 | 502 | 1/3 | 1036 x 460 x 1430 | 1180 x 595 x 1900 | 160/140 | 1.7 |

Durable ABS inner lining, external body of epoxy coated carbon steel.

Durable ABS inner lining, external body of epoxy coated carbon steel.

| Models with glass door | Models with solid door | Capac. in Litres | Doors | Internal/ External | N° of drawers | | Compressors HP | Internal Dimensions in mm wide x depth x high | External Dimensions in mm wide x depth x high | | Packag. Volume in m³ |
|------------------------------|------------------------------|---------------------|-------|-----------------------|------------------|-----|-------------------|---|---|---------|----------------------------|
| ER 54 C | OPTIONAL | 54 | 1 | Epoxy/ABS | 2 | 120 | 1/6 | 450 x 270 x 448 | 540 x 540 x 650 | 40/38 | 0.2 |
| ER 140 UC C | ER 140 UC | 140 | 1 | Epoxy/ABS | 3 | 126 | 1/5 | 440 x 435 x 670 | 600 x 615 x 830 | 49/55 | 0.5 |
| ER 182 C | ER 182 | 180 | 1 | Epoxy/ABS | 2 | 126 | 1/5 | 430 x 500 x 680 | 593 x 620 x 832 | 49/55 | 0.5 |
| > ER 344 C | ER 344 | 344 | 1 | Epoxy/ABS | 4 | 450 | 1/4 | 470 x 470 x 1400 | 600 x 600 x 1850 | 98/87 | 0.9 |
| ER 554 C | ER 554 | 554 | 1 | Epoxy/ABS | 4 | 450 | 1/4 | 600 x 550 x 1600 | 750 x 750 x 1880 | 140/120 | 1.2 |
| ER 754 C | ER 754 | 754 | 2 | Epoxy/ABS | 4+4 | 502 | 1/3 | 1036 x 460 x 1430 | 1180 x 595 x 1900 | 160/140 | 1.7 |

** All models with glass door, increase weight 20 Kg.

* Stainless Steel 1 cu ft= 28,3 litres. 1 inch= 25,4 mm.

ER 544

Upright Refrigerator Professional Models ER and Basic Models EBF

FROM $+ 2^{\circ}$ C to $+ 14^{\circ}$ C



LABORATORY REFRIGERATORS

PROFESSIONAL MODELS ER FROM + 2° C to + 14 °C with alarms battery suported

and BASIC MODELS EBF FROM $+ 2^{\circ}$ C to $+ 14^{\circ}$ C with alarms



LABORATORY REFRIGERATORS

PROFESSIONAL MODELS ER FROM + 2° C to + 14 °C with alarms battery suported. BASIC MODELS EBF FROM + 2° C to + 14 °C with alarms.



EBF 54 C

EBF 724 C with optional castors

SPECIAL OPTIONAL ACCESSORIES FOR MODELS ER

- Model with ventilated forced-air flow system, distributed uniformly upward, with high homogeneity of the temperature inside the chamber, in models ERR with improved ventilation, for special applications with a homogenity better as + /- 0,5° C.
- Dual refrigeration circuit, wich ensures the temperature even in case of a compressor failure. Two independent refrigeration circuits (optional).
- Double or triple thermal glass door and heated frame, to avoid condensation in high humidity areas (not available in ER 140 UC C model).





Optional: internal conectors or power suply

| Models with glass door | Models with solid door | Capac. in Litres | Doors | Internal/ External | N° of drawers | | Compressors HP | Internal Dimensions in mm wide x depth x high | External Dimensions in mm wide x depth x high | Packaging Weight in Kg gross/net | Packag. Volume in m³ |
|------------------------------|------------------------------|---------------------|-------|-----------------------|------------------|-----|-------------------|---|---|--|----------------------------|
| ER 322 C | ER 322 | 322 | 1 | Inox* | 3 | 380 | 1/4 | 482 x 450 x 1392 | 600 x 637 x 1981 | 110/98 | 0.6 |
| ER 325 C | ER 325 | 325 | 1 | Inox* | 4 | 380 | 1/4 | 362 x 598 x 1412 | 482 x 695 x 2100 | 120/98 | 0.6 |
| ER 381 C | ER 381 | 381 | 1 | Inox* | 3 | 380 | 1/4 | 480 x 500 x 1500 | 600 x 650 x 2000 | 130/105 | 0.7 |
| ER 501 C | ER 501 | 501 | 1 | Inox* | 3 | 600 | 1/4 | 530 x 560 x 1320 | 650 x 725 x 2040 | 130/120 | 1.0 |
| ER 615 C | ER 615 | 615 | 1 | Inox* | 4 | 620 | 1/2 | 567 x 689 x 1529 | 687 x 794 x 2125 | 140/125 | 1.2 |
| ER 701 C | ER 701 | 700 | 1 | Inox* | 4 | 500 | 3/8 | 590 x 700 x 1390 | 710 x 850 x 2130 | 190/170 | 1.6 |
| ER 982 C | ER 982 | 982 | 2 | Inox* | 3+3 | 620 | 3/8 | 1282 x 550 x 1262 | 1400 x 707 x 1981 | 170/145 | 2.3 |
| ER 1115 C | ER 1115 | 1115 | 2 | Inox* | 4+4 | 850 | 5/8 | 1265 x 689 x 1529 | 1385 x 794 x 2125 | 200/175 | 2.5 |
| ER 1305 C | ER 1305 | 1305 | 2 | Inox* | 3+3 | 945 | 1/2 | 1265 x 689 x 1529 | 1385 x 794 x 2125 | 220/190 | 2.7 |
| ER 1501 C | ER 1501 | 1500 | 2 | Inox* | 4+4 | 725 | 1/2 | 1300 x 700 x 1390 | 1420 x 850 x 2130 | 240/200 | 2.9 |

Stainless steel AISI 304 internal and external

Stainless steel AISI 304 internal and external

| Models with glass door | Models with solid door | Capac. in Litres | Doors | Internal/ External | Nº of drawers | Power in W | Compressors HP | Internal Dimensions in mm wide x depth x high | External Dimensions in mm wide x depth x high | Packaging Weight in Kg gross/net | Packag. Volume in m³ |
|------------------------------|------------------------------|---------------------|-------|-----------------------|------------------|---------------|-------------------|---|---|--|----------------------------|
| EBF 322 C | EBF 322 | 322 | 1 | Inox* | 3 | 380 | 1/4 | 482 x 450 x 1392 | 600 x 637 x 1981 | 110/98 | 0.6 |
| EBF 325 C | EBF 325 | 325 | 1 | lnox* | 4 | 380 | 1/4 | 362 x 598 x 1412 | 482 x 695 x 2100 | 120/98 | 0.6 |
| EBF 381 C | EBF 381 | 381 | 1 | lnox* | 3 | 380 | 1/4 | 480 x 500 x 1500 | 600 x 650 x 2000 | 130/105 | 0.7 |
| EBF 501 C | EBF 501 | 501 | 1 | lnox* | 3 | 600 | 1/4 | 530 x 560 x 1320 | 650 x 725 x 2040 | 130/120 | 1.0 |
| EBF 615 C | EBF 615 | 615 | 1 | lnox* | 4 | 620 | 1/2 | 567 x 689 x 1529 | 687 x 794 x 2125 | 140/125 | 1.2 |
| EBF 701 C | EBF 701 | 700 | 1 | lnox* | 4 | 500 | 3/8 | 590 x 700 x 1390 | 710 x 850 x 2130 | 190/170 | 1.6 |
| EBF 982 C | EBF 982 | 982 | 2 | lnox* | 3+3 | 620 | 3/8 | 1282 x 550 x 1262 | 1400 x 707 x 1981 | 170/145 | 2.3 |
| EBF 1115 C | EBF 1115 | 1115 | 2 | lnox* | 4+4 | 850 | 5/8 | 1265 x 689 x 1529 | 1385 x 794 x 2125 | 200/175 | 2.5 |
| EBF 1305 C | EBF 1305 | 1305 | 2 | lnox* | 3+3 | 945 | 1/2 | 1265 x 689 x 1529 | 1385 x 794 x 2125 | 220/190 | 2.7 |
| EBF 1501 C | EBF 1501 | 1500 | 2 | Inox* | 4+4 | 725 | 1/2 | 1300 x 700 x 1390 | 1420 x 850 x 2130 | 240/200 | 2.9 |

* Stainless Steel 1 cu ft= 28,3 litres. 1 inch= 25,4 mm.

Upright Refrigerators LABORATORY STANDARD REFRIGERATORS



LABORATORY STANDARD STATIC REFRIGERATORS FROM + 2° C TO + 14° C

MODELS EBS WITH NATURAL AIR CONVECTION

EBS 500 C



LABORATORY STANDARD STATIC REFRIGERATORS

FROM + 2° C TO + 14° C MODELS EBS



WITH NATURAL AIR CONVECTION

TECHNICAL SPECIFICATIONS for all CBS Models

- Digital temperature controller with display, working temperature range from + 2° C to + 14° C.
- Pt1000 probe with 0.1° C accuracy on the display.
- Models with natural air convection system.
- Internal shelves of plastic coated steel wire, adjustables in height.
- Two side opening door, right or at left opening available (factory configuration indicate at the order).
- Models with double thermal glass door and big sized handle marked with "C", accessories according to the selected model.**
- Internal illumination with a separate switch, only in models with glass door "C".
- Security lock on the door with keys.
- Time controled evaporator with automatic defrost.
- Cooling gases R134a or R600, CFC and HCFC free, biodegradable.
- Hermetic compressor, built over dampers, low noise < 48dB.
- Internal body according the model (see the data chart).
- Round corners for easy cleaning.
- External body according the model (see the data chart).
- Feet size adjusts the equipments height.
- Magnetic perimeter gaskets on the door, to ensure a perfect airtight closing.
- Insulation of 60 mm high density injected cyclopentane, CFC and HCFC free.
- Tropical treatment to allow work until + 38° C working area temperature.

OPTIONAL ACCESSORIES FOR ALL ER, EBF AND EBS MODELS

- Double independent section for temperature control in the chamber with 2 different Pt100 temperature probes, with an accuracy on the display of 0,1°, to achieve the whole temperature range inside in all the chamber.
- Temperature circular chart recorder for 7 days, main powered with independent battery back-up. (replacing the printer).
- Set of stainless steel drawers with telescopic guides.
- Storage racking systems and dividers for drawers.
- Base with 4 castors, for easy movement.
- Double cooling circuit system, with independent compressors and control system, to ensure a continuosly working status in case of system failure.
- Indication for open door, with audible and visible alarms.

- Stainless steel wire shelves.
- Double or triple thermal glass door and heated frame, to avoid condensation in high humidity areas (not available for ER/EBF 54 C, ER/EBF 140 UC C and EBS Models).
- Remote control interface connection RS 485/232
- Potential free output for remote control alarm.
- Low-temperature safety thermostat.
- Digital Printer and data loggers.
- Access port.
- USB storage data control system system.
- GSM phone alarm module.
- Optional internal illumination in solid door models.

EBS 180/UC, EBS 260, EBS 360 y EBS 500: Durable ABS inner lining, one-piece molded., external of steel epoxy coated. EBS 982 and EBS 1322 Stainless Steel AISI 304 External and Internal.

| Models with glas door | | Capac. in Litres | Doors | Internal/ External | N° of shelves | Power in W | Compressors HP | Internal Dimensions in mm wide x depth x high | External Dimensions in mm wide x depth x high | | Packag. Volume in m³ |
|-----------------------------|----------------|---------------------|-------|-----------------------|------------------|---------------|-------------------|---|---|---------|----------------------------|
| EBS 180/U0 | E/C EBS 180/UC | 180 | 1 | Epoxy/ABS | 3 | 126 | 1/5 | 513 x 441 x 540 | 600 x 600 x 850 | 65/85 | 0.4 |
| EBS 260/ | C EBS 260 | 260 | 1 | Epoxy/ABS | 4 | 150 | 1/5 | 513 x 441 x 1047 | 600 x 600 x 1216 | 75/95 | 0.5 |
| EBS 360/ | C EBS 360 | 360 | 1 | Epoxy/ABS | 5 | 170 | 1/3 | 513 x 441 x 1418 | 600 x 600 x 1590 | 85/105 | 0.6 |
| EBS 500/ | C EBS 500 | 500 | 1 | Epoxy/ABS | 5 | 170 | 1/2 | 652 x 537 x 1338 | 752 x 710 x 1516 | 100/120 | 0.8 |
| EBS 982/ | C EBS 982 | 982 | 2 | lnox* | 3+3 | 620 | 3/8 | 1282 x 550 x 1262 | 1400 x 707 x 1981 | 170/145 | 2.3 |
| EBS 1322/ | C EBS 1322 | 1322 | 2 | lnox* | 4+4 | 620 | 3/8 | 1282 x 687 x 1357 | 1400 x 819 x 2075 | 220/190 | 2.7 |

** All models with glass door, increase weight 20 Kg

* Stainless Steel 1 cu ft= 28,3 litres. 1 inch= 25,4 mm



EBS 180

Upright Refrigerators SPECIAL REFRIGERATORS AT + 4° C





WARNING, IMPORTANT NOTE

- This equipment is named "as increase security spark free", as high security equipment. This is because there isn't any component inside of the chamber that could generate sparks or any fire starter. This performance makes the equipment able to store organic solvents and corrosive acids.
- Is essential to remark that this equipment, as equipment in self, is not to store fire or explosive products, neither are explosion proof.
- Warning!!!! "This equipment is not exploxion proof". It according to norm ATEX 98/9/CE.

TECHNICAL SPECIFICATIONS

- Specifically designed to store volatile and flammable liquids, reagents, chemicals, poisons and samples, below the external temperature to reduce the risk of internal explosions.
- Spark free internal chamber.
- Temperature range from $+ 2^{\circ}$ C to $+ 14^{\circ}$ C.
- Digital temperature controller with digital display.
- Pt1000 probe of 0.1° C accuracy on the display.
- Audible and visible independent alarms for temperature, probe and power failures. NiCd battery back-up, all with battery charger (supports over 48 hours).
- Solid door and big sized handle.
- Two side opening door, right or left opening avaible (please indicate at the order, factory adjustment).
- Locked main power switch (on/off).
- Indication for open door, with audible and visible alarms.
- Upper and lower temperature history memory.
- Security lock with keys on the door.
- Models with natural air convection system.
- Time controlled evaporator with automatic defrost.
- Insulation of 60 mm of high density injected cyclopentane, CFC and HCFC free.
- Cooling gas R134 a or R600, CFC and HCFC free, biodegradable.
- Hermetic compressor, built over dampers, low noise < 48dB.
- Internal body according the model (see the data chart).
- Round corners for easy cleaning.
- External body according the model (see the data chart).
- Internal shelves of plastic coated steel wire, adjustable in height.
- · Magnetic perimeter gasket on the door, to ensure a perfect airtight closing.
- Feet size adjusts equipment height.
- Tropical treatment to allow work until + 38° C working area temperature.

OPTIONAL ACCESSORIES for ESS models

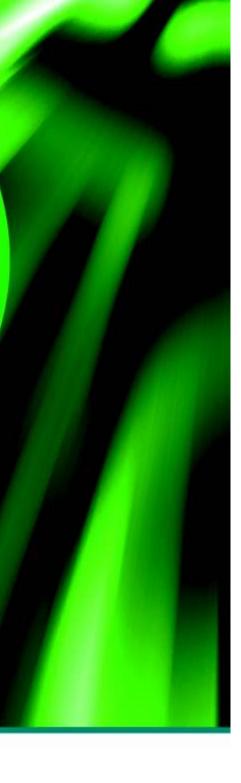
- Over temperature safety thermostat.
- Temperature circular chart recorder for 7 days, main powered with independent battery back-up, works even with power failures.
- Base with 4 castors for easy movement.
- Potential free output for remote alarm control.
- Digital Printer and data loggers.

- Alarm failure sound stop switch, protected with key.
- Remote control interface connection RS 485/232.
- Set of stainless steel drawers with telescopic guides.
- Storage racking systems and dividers for drawers.
- USB storage data control system.
- GSM phone alarm module.
- · Access port.
- Humidity display control.

EBS 180/UC, EBS 260, EBS 360 y EBS 500: Durable ABS inner lining, one-piece molded, external of steel epoxy coated. EBS 982 and EBS 1322 Stainless Steel AISI 304 External and Internal.

| Models | Capacity in Litres | Internal/ External | N° of shelves | Power in W | Compressors HP | Internal Dimen. in mm wide x depth x high | External Dimen. in mm wide x depth x high | Weight/ Pack net/gross | Vol/Pack m³ |
|------------|-----------------------|-----------------------|------------------|---------------|-------------------|--|--|------------------------------|----------------|
| ESS 180 UC | 180 | ABS/Epoxy | 3 | 126 | 1/5 | 513 x 441 x 702 | 600 x 600 x 850 | 65/85 | 0.4 |
| ESS 260 | 260 | ABS/Epoxy | 4 | 150 | 1/5 | 513 x 441 x 1047 | 600 x 600 x 1216 | 75/95 | 0.5 |
| ESS 360 | 360 | ABS/Epoxy | 5 | 170 | 1/3 | 513 x 441 x 1418 | 600 x 600 x 1590 | 85/105 | 0.6 |
| ESS 500 | 500 | ABS/Epoxy | 5 | 170 | 1/2 | 652 x 537 x 1338 | 752 x 710 x 1516 | 100/120 | 0.8 |
| ESS 982 | 982 | Inox* | 3+3 | 620 | 3/8 | 1282 x 550 x 1262 | 1400 x 707 x 1981 | 170/145 | 2.3 |
| ESS 1322 | 1322 | Inox* | 4+4 | 620 | 3/8 | 1282 x 687 x 1357 | 1400 x 819 x 2075 | 1322 | 2.7 |

* Stainless Steel 1 cu ft= 28,3 litres. 1 inch= 25,4 mm



Note: It is possible that some products have been changed since the printing date of this catalogue. The printing date was May 25th, 2012. The manufacturer is allowed to make changes in the design, colour and shape between the P.O. placed date and the printing date. But these changes will not affect the major specifications of the units. If the seller or the manufacturer uses special symbols and numbers to describe these products, no rights can be extracted from these. The photographs and drawings can show accessories and optional equipment that do not belong to standard models. The colours can be changed from the picture shown, because of the printing process. This catalogue can contain products that cannot be shipped to specific countries due the international or local rules. The information shown about laws, legal protocols and legal requirements are only valid in Spain.

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