



AF140

Laboratory and pharmacy refrigerators
+2° + 12° C from 100 to 1400 lt. > Capacity 1400 lt



AF140 Model

Structure

External structure in hot-dip galvanized steel, anti-corrosion treated and PVC film coated.
Scotch-brite stainless steel internal structure.

Insulation

60 mm of insulation obtained by injection of high density ecological polyurethane CFC-free foam for excellent product preservation and best energy saving

Door

Two self-closing solid doors, with folding magnetic gasket on four sides for perfect closing. Lock with key.

Light

LED light (energy saving up to 70%, ecological) with automatic switch at door opening. Manual switch on control panel.

Shelves

8 scotch-brite stainless steel shelves, removable and adjustable in height.

Temperature range

Setting between +2°C and +12°C. Factory preset to +4°C. Digital adjustable with an increment of 0.1°C.

Refrigeration system

Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser (suitable also for tropical countries). Internal ventilated evaporator. Forced-air cooling system conceived to achieve maximum temperature uniformity and stability inside the refrigerator even in case of frequent door openings. Evaporator fan shuts off during door openings. CFC-free R404a/R452a refrigerant gas. CFC/HCFC-free R290 refrigerant gas for European countries.

Defrosting

Fully automatic defrosting cycle and auto-evaporation of condensed water.

Capacity

1400 litres

Voltage

230V/50 Hz (on request 230V/60 Hz, 115V/60 Hz)

Absorption

490 Watt

Gas

CFC-free R404a/R452a refrigerant gas. CFC/HCFC-free R290 refrigerant gas for European countries.

Control panel and alarms

Microprocessor control panel with colour 4.3"LCD touch screen and 4 keys. Display with 0.1°C resolution. Temperature monitoring detected by two independent PT1000 probes. Real time temperature graph (to be activated by end user). Optional humidity sensor. RS 232/RS 485 port. Digital calibration of probes. Visual and audible alarms of high and low temperature (by means of independent probe), open door, condenser efficiency, damaged probes, power failure at electricity recovery, power failure with recording of data and alarms (by means of optional back-up battery), damaged or flat battery. Memory of latest alarms visible on display.

Data logger

To record temperatures and alarms. Download data on USB pen drive.

Standard

- 8 shelves
- Four one way wheels with stabilizing adjustable feet
- Lock with key
- Power cord with Schüko type plug (or British plug on request)
- Protection fuses (on power switch and electronic mainboard)
- RFI filter
- Password protected power switch and settings
- Electronic control panel with alarm system
- Remote contact (dry, volt-free) for alarm
- Data logger with USB port to download records and data
- Memory of latest alarms visible on screen
- Power failure at electricity recovery

Optional accessories

- Sliding drawers (up to 14) in scotch-brite stainless steel, with see-through frontal side and telescopic ball-bearings slides
- Internal dividers for drawers
- Additional shelf
- Smooth shelf with borders
- Castors with two frontal brakes
- Weekly temperature chart recorder working with 1,5 V battery, equipped with 52 disks and a pen
- Back-up battery supplying energy to control panel in order to generate alarms in case of power failure
- GSM module to send SMS alarm messages to mobile phones, showing date, time, cabinet temperature and type of alarm
- LAN Port to connect the appliance via ethernet on PC to monitor correct functioning
- Safety thermostat
- Digital humidity sensor
- Test hole (Ø 25 mm)
- DIN 58345 conformity kit
- Electric digital key lock
- Power supply 115V/60Hz

External dimensions and unit net weight

1400x800x1990 (wxdxh-mm)-kg. 216

Dimensions of packaging and shipping weight

-carton box on pallet: 1500x900x2170 (wxdxh-mm)-kg. 236

-wooden crate (option on request): 1600x960x2210 (wxdxh-mm)-kg. 342

Equipment in accordance with:

Low voltage Directive 2014/35/UE, Electromagnetic Compatibility Directive 2014/30/UE

Should it be necessary or useful without undermining any model essential features, technical and stylistic characteristics are subject to be changed without manufacturer's previous notice. The picture doesn't necessarily show the product in its standard version.

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