



PN45V

Laboratory and pharmacy refrigerators
+2° + 12° C from 100 to 1570 lt. > Capacity 450 lt



PN45V 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 polyurethane CFC-free foam for

excellent product preservation and best energy saving

Door

Self-closing glass door (double insulating - low emissivity glass) with folding magnetic gasket on four sides for perfect closing. Right hand opening or left hand on request. Lock with key.

Light

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

Shelves

3 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/HCFC-free R290 refrigerant gas.

Defrosting

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

Capacity

450 litres

Voltage

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

Absorption

271 Watt

Gas

CFC/HCFC-free R290 refrigerant gas.

Control panel and alarms

Alternatively available:

LGK-2 digital control panel

<https://www.frimed.it/en/control-panel.html#lk-2>

TP-1 full touch control panel

<https://www.frimed.it/en/control-panel.html#tp-1>

Data logger

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

Standard

- 3 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

Optional accessories

- Sliding drawers (up to 5) 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
- 12V back-up battery (LGK-2) or rechargeable batteries (TP-1 full touch) supplying energy to control panel in order to display temperature and 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 (LGK-2)
- LAN Port to connect the appliance via ethernet on PC to monitor correct functioning (LGK-2)
- Cloud system (TP-1 full touch)
- Independent Safety thermostat (DIN 13277 conformity)
- Test hole (Ø 25 mm) for external user sensor
- Electric digital key lock (TP-1 full touch)
- Power supply 115V/60Hz

External dimensions and unit net weight

700x800x1840 (wxdxh - mm) - kg. 124

Dimensions of packaging and shipping weight

carton box on pallet: 750x850x1980 (wxdxh - mm) - kg. 137

wooden crate (option on request): 840x960x2250 (wxdxh - mm) - kg. 195

Equipment in accordance with

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

The picture doesn't necessarily show the product in its standard version.

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