

# Laboratory Refrigeration Equipment

Designed and manufactured for use where exacting standards are expected such as Biological, Pharmaceutical, Life Sciences and Laboratory sectors.



Designed for the demanding standards expected in laboratory use.

Evolved with years of experience in manufacturing cold chain equipment, used in all sectors of laboratory critical temperature controlled storage. Porkka offer refrigerators, freezers, incubators and chromatography cabinets, ice machines and constant temperature storage rooms.

They are energy efficient safe and reliable with an extremely long life cycle, and environmentally friendly, using CFC/HCFC refrigerants and insulation. Up to 98% of the equipment can be re-cycled after use.

### Quality & reliability

Porkka understand their equipment is utilised for preservation of expensive vaccines, medicines and drugs, every effort is made to ensure our equipment is reliable and dependable.

### Alarms and surveillance

Porkka have considered that out of temperature control is critical, to this effect we have a built in high/low temperature alarm, which can be programmed using our integrated controller, which also has the facility to connect to the main building alarm system. The controller will in effect ensure product protection.

### Bio-hazard control

Porkka have for many years incorporated a unique feature for some of their medical cabinets, being a collection container for condensate water which is usually evaporated within the area of the equipment giving a potential biological hazard area.



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## Features

- Digital temperature display with built-in microprocessor controller
- Real time clock with date and time display
- Controller with 3 password protections levels
- Visual and audible high/low temperature alarm
- Probe failure alarm
- Recording of alarms max./min. temperature with date and time
- Digital calibration for temperature probe
- Potential free alarm contact for connection to a Building Management System
- TTL-Mod Bus communication port (RS 485 with optional converter)
- Low temperature protection
- Exterior finish in white polyester-coated sheet steel, interior finish in stainless steel AISI 304
- Insulation with high density CFC/HCFC free polyurethane
- Stainless steel plate shelves
- Door equipped with lock, magnetic gasket
- Efficient and energy saving, hermetic air cooled CFC/HCFC refrigerant system
- Spark proof interior



**LAB 300**



**LAB 75**

## Optional features

- Extra shelves as required for LAB 300
- Door open alarm
- Real-time temperature data logging with download to USB facility, optional with battery back up
- Coded lock for limited personal access
- Electronic key lock with access notification of whom has opened the cabinet plus time and date
- Additional thermo mass probe connected to the controller
- 8 mm sleeved access port for remote monitoring

## Specifications

|                         | LAB 300    | LAB 75     |
|-------------------------|------------|------------|
| Width (mm)              | 595        | 595        |
| Depth (mm)              | 480+25     | 480+25     |
| Height (mm)             | 2000       | 730/900    |
| Internal Width (mm)     | 495        | 525        |
| Internal Depth (mm)     | 360        | 320        |
| Internal Height (mm)    | 780+780    | 515        |
| Usable Net Volume (Ltr) | 95+95      | 75         |
| Total Volume (Ltr)      | 137+137    | 95         |
| Shelves                 | 7          | 2          |
| Connection Power (W)    | 220        | 150        |
| Voltage                 | 230V, 50Hz | 230V, 50Hz |
| Gross Weight (kg)       | 120        | 70         |



## Features

- Digital temperature display with built-in microprocessor controller
- Temperature accuracy 1K
- Keyboard tamper protection
- Recording of max./min. temperature
- Visual and audible high/low temperature alarm
- Door open alarm
- Probe failure alarm
- Digital calibration for temperature probe
- Potential free alarm contact for connection to a Building Management System
- TTL-Mod Bus communication port (RS 485 with optional converter)
- Low temperature protection
- Exterior finish in white polyester-coated sheet steel, interior finish in stainless steel grade AISI 304 (all models also available in finish outside/inside stainless steel grade AISI 304)
- Insulation with high density CFC/HCFC free polyurethane
- 4 pcs full-size stainless steel plate shelves, adjustable in increments of 30mm
- Door equipped with central lock, magnetic gasket, heavy duty spring hinges
- Efficient and energy saving, hermetic air cooled CFC/HCFC refrigerant system



**RC 520/RF 520**



**RC 720/RF 720**

## Optional features

- Extra shelves as required
- Drawers in lieu of shelves
- Wire baskets in lieu of shelves
- Castors in lieu of legs
- Real-time temperature data logging with download to USB facility, optional with battery back up
- Converter TTL Mod Bus to RS 485
- Coded lock for limited personal access
- Electronic key lock with access notification of whom has opened the cabinet plus time and date
- Additional thermo mass probe connected to the controller
- 8 mm sleeved access port for remote monitoring

## Specifications

|                                | RC 520      | RF 520       | RC 720      | RF 720       |
|--------------------------------|-------------|--------------|-------------|--------------|
| Temperature                    | +2...+40 °C | -10...-30 °C | +2...+40 °C | -10...-30 °C |
| Ambient Temperature            | +5...+32 °C | +5...+32 °C  | +5...+32 °C | +5...+32 °C  |
| Width (mm)                     | 600         | 600          | 850         | 850          |
| Depth (mm)                     | 700         | 700          | 700         | 700          |
| Height (mm)                    | 2030        | 2030         | 2030        | 2030         |
| Internal Width (mm)            | 480         | 480          | 730         | 730          |
| Internal Depth (mm)            | 560         | 560          | 560         | 560          |
| Internal Height (mm)           | 1310        | 1310         | 1310        | 1310         |
| Usable Net Volume (Ltr)        | 287         | 287          | 464         | 464          |
| Shelves                        | 4           | 4            | 4           | 4            |
| Shelf sizes (width x depth mm) | 400 x 530   | 400 x 530    | 650 x 530   | 650 x 530    |
| Connection Power (W)           | 449         | 734          | 449         | 742          |
| Voltage                        | 230V, 50Hz  | 230V, 50Hz   | 230V, 50Hz  | 230V, 50Hz   |
| Gross Weight (kg)              | 130         | 130          | 150         | 150          |