

# MEDICAL / PHARMACEUTICAL REFRIGERATORS

MODEL PHARMA-250 / PHARMA-500 / PHARMA-700 / PHARMA-1050 / PHARMA-1400 / PHARMA-1600

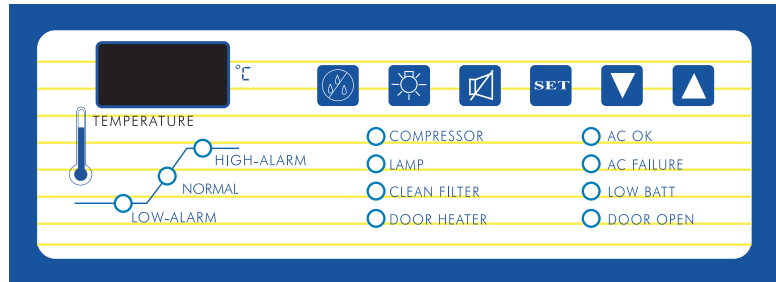


Model PHARMA-250 / PHARMA-500  
PHARMA-700



Model PHARMA-700 /  
PHARMA-1050

## Optional Data Logger / Wifi Monitoring System



## Premium Cabinet Construction

- One-piece molded insulation cabinet
- 0.7mm thickness cabinet wall.
- Stainless steel top, bottom panel and evaporator tray
- Full aluminium evaporator console

## System Features

- The control panel is equipped with a tamper-resistant touchpad and a digital temperature display to the nearest 0.1 degree Centigrade, centralising all the operating and monitoring functions.
- The controller enables you to program the temperature settings and alarm set points quickly and easily.
- During power failure, battery back-up system supplies power to the monitor for at least 24 hours.
- The audio and visual alarms will be triggered when any of these conditions occurs:  
Over-temperature, under-temperature, A.C. failure, battery failure, door opened for more than 2 minutes, compressor failure, or condenser overheated (clean filter).
- The alarm can be muted with the touchpad. If the fault is still not rectified, the acoustic signal is repeated automatically at every 15-minutes interval until the cabinet temperature returns to normal.
- Remote alarm contact provided for off-site monitoring.
- Non-volatile memory ensures all set values remain intact in case of power failure.
- Lock-temperature function protects against tampering of set temperatures / values
- Off-set function for calibration use. Important for ISO / Calibration requirements.
- Self-diagnostic functions integrated into the controller ensure rapid identification and correction if a fault does occur.
- Optional data logger / temperature monitoring system.

## Highlights

- Manufactured by company with MDA Manufacturer Establishment License.
- Product Registered with Medical Device Authority (MDA) - Ministry of Health.
- Manufactured by an ISO 9001:2015 and ISO 13485:2016 certified company.
- Hi-low pressure switches for compressor protection and RCCB supplied as standard.
- Hi-alarm, low-alarm, AC-failure alarm, low-battery alarm, door-open and clean-filter alarms.
- Remote alarm contact supplied as standard.
- Type-tested to Electrical Safety Test Standard MS IEC 60601-1 : 2006 :  
Medical electrical equipment - Part 1 : General requirements for basic safety and essential performance.
- Supplied with Electrical Safety Test Certificate (MS IEC 60601-1 : 2006)



**Specifications**

MODEL	PHARMA-250	PHARMA-500	PHARMA-1050	PHARMA-1600
Capacity	350 litres	500 litres	1050 litres	1600 litres
Rust free construction	<ul style="list-style-type: none"> <li>• 0.7mm thickness epoxy-coated steel or stainless steel cabinet.</li> <li>• Mounted on castor wheels with locking screws.</li> <li>• Stainless steel control panel, base front panel, and condensate evaporation tray.</li> <li>• Full aluminium evaporator console</li> </ul>			
Cabinet insulation	CFC-free rigid polyurethane, one-piece foam-in-place insulation.			
Working temp. range	2°C to 8°C. Preset at 4°C.			
Control panel	Touch-pad icon-based controls and display for easy operation. Key operated power ON/OFF switch.			
Alarms	Audio and visual alarms with battery back-up system. Supplied with remote alarm contact as standard. Automatic reset and ring back functions.			
Alarm conditions	High-Alarm, Low-Alarm, A.C Failure, Low Battery, Door Open and Condenser Overheat (clean filter alarm)			
Alarm set points	Preset at 2°C for under temperature and 8°C for over temperature.			
Safety features	Supplied with RCCB and high-low pressure switches as standard.			
Refrigeration	CFC-free hermetic-seal type refrigeration with automatic defrosting and condensate removal			
Cooling capacity at 5°C	740W	810W	1250W	2030W
Air circulation	By positive forced-air fan(s).			
	One fan	One fan	Two fans	Three fans
Door type	Single glass door	Single glass door	Double glass doors	Triple glass doors
	Self-closing, locked-in-position (90°) dual-pane heated glass door(s). With fan switch which stops circulation fan(s) when door(s) is(are) opened. Supplied with door lock(s) as standard.			
Viewing lamp	LED Lamp			
Shelf type	Full length rid wire with polyethylene-coated finish adjustable shelves. OR Optional slide out stainless steel drawer shelves			
No. of shelves supplied	4 units	5 units	10 units	15 units
Shelf dimensions (mm)	490 W x 500 D x 10 H	515 W x 540 D x 10 H	545 W x 570 D x 10 H	545 W x 570 D x 10 H
Interior dimensions (mm)	510 W x 550 D x 1270 H	525 W x 640 D x 1430 H	1150 W x 640 D x 1430 H	1750 W x 640 D x 1430 H
Exterior dimensions (mm)	620 W x 735 D x 1880 H	645 W x 825 D x 2060 H	1260 W x 825 D x 2060 H	1860 W x 825 D x 2060 H
Electrical	220-240 VAC, 50 Hz, 3.2 A	220-240 VAC, 50 Hz, 3.5 A	220-240 VAC, 50 Hz, 5.4 A	220-240 VAC, 50 Hz, 8.8 A
Weight	95 kg	120 kg	165 kg	278 kg
Optional items	<ul style="list-style-type: none"> <li>• Data Loggers</li> <li>• Temperature Monitoring System</li> <li>• Extra shelves</li> </ul>			

MODEL	PHARMA-700	PHARMA-1400
Capacity	700 litres	1400 litres
Cooling capacity at 5°C	810W	1270W
Air circulation	By positive forced-air fan(s).	
	One fan	Two fans
Door type	Single glass door	Double glass doors
No. of shelves supplied	5 units	10 units
Shelf dimensions (mm)	685 W x 755 D x 10 H	685 W x 755 D x 10 H
Interior dimensions (mm)	640 W x 805 D x 1230 H	1390 W x 805 D x 1230 H
Exterior dimensions (mm)	750 W x 990 D x 2060 H	1500 W x 990 D x 2060 H
Electrical	220-240 VAC, 50 Hz, 3.5A	220-240 VAC, 50 Hz, 5.5A
Weight	120 kg	165 kg

- Pharma-(Model)-E : Epoxy coated steel
- Pharma-(Model)-SS : Stainless steel
- Pharma-(Model)-SE : Internal stainless steel, external epoxy coated steel

All specifications are subject to change without prior notice.