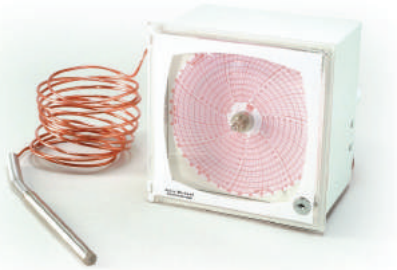
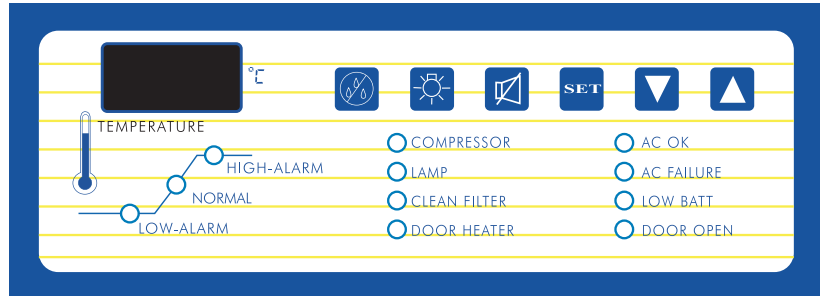




Model PHARMA-500E-SD



Optional 7-day chart recorder with a span of -35°C to 15°C. The scale is 1mm/°C and the accuracy is  $\pm 2^\circ\text{C}$ . The recorder conforms to NF EN 12830 standards.



### 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.

### Highlights

- Manufactured by an ISO 9001:2008 and ISO 13485:2003 certified company.
- 3-years warranty on compressor.
- Hi-low pressure switches for compressor protection and ELCB 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)

All specifications are subject to change without prior notice.



**Specifications**

MODEL	PHARMA-250-SD	PHARMA-500-SD	PHARMA-1050-SD	PHARMA-1600-SD
Capacity	300 litres	500 litres	1050 litres	1600 litres
Cabinet construction	Powder-coated mild steel or stainless steel cabinet. Mounted on castor wheels with locking screws.			
Cabinet insulation	CFC-free rigid polyurethane, 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 Clean Filter.			
Alarm set points	Preset at 2°C for under temperature and 8°C for over temperature.			
Safety features	Supplied with ELCB and high-low pressure switches as standard.			
Refrigeration	CFC-free hermetic-seal type refrigeration with automatic defrosting and condensate removal. Refrigerant 134a.			
Cooling capacity at 5°C	2000 BTU/hr	2465 BTU/hr	4190 BTU/hr	7099 BTU/hr
Air circulation	By positive forced-air fan(s).			
	One fan	One fan	Two fans	Three fans
Door type	Single solid door	Single solid door	Double solid doors	Triple solid doors
	Self-closing, locked-in-position (90°) solid 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	High output fluorescent lighting.			
Shelf type	Rid wire with polyethylene-coated finish. Full length adjustable shelves.			
No. of shelves supplied	4 units	5 units	10 units	15 units
Shelf dimensions (mm)	480 W x 450 D x 10 H	520 W x 540 D x 10 H	545 W x 540 D x 10 H	555 W x 540 D x 10 H
Interior dimensions (mm)	500 W x 595 D x 1105 H	535 W x 695 D x 1430 H	1155 W x 695 D x 1430 H	1770 W x 695 D x 1430 H
Exterior dimensions (mm)	587 W x 720 D x 1720 H	640 W x 825 D x 2070 H	1260 W x 825 D x 2070 H	1880 W x 825 D x 2070 H
Electrical	220-240 VAC, 50 Hz, 2.9 A	220-240 VAC, 50 Hz, 3.5 A	220-240 VAC, 50 Hz, 5.9 A	220-240 VAC, 50 Hz, 7.3 A
Weight	95 kg	120 kg	165 kg	278 kg
Optional items	<ul style="list-style-type: none"> <li>• GSM remote alarm system</li> <li>• Chart recorder</li> <li>• CO<sub>2</sub> back up system</li> <li>• Extra shelves</li> </ul>			

SOLID DOOR PHARMACEUTICAL REFRIGERATORS

**Solid Door Pharmaceutical Refrigerators Ordering Information**

Model	Capacity	Cabinet Material
Pharma-250E-SD	300 litres	Powder-coated mild steel (Solid door)
Pharma-250SS-SD	300 litres	Stainless steel (Solid door)
Pharma-500E-SD	500 litres	Powder-coated mild steel (Solid door)
Pharma-500SS-SD	500 litres	Stainless steel (Solid door)
Pharma-1050E-SD	1050 litres	Powder-coated mild steel (Solid door)
Pharma-1050SS-SD	1050 litres	Stainless steel (Solid door)
Pharma-1600E-SD	1600 litres	Powder-coated mild steel (Solid door)
Pharma-1600SS-SD	1600 litres	Stainless steel (Solid door)

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