



Ultra Low Deep Freezer

INV- DF86V



Description & Features

- High performance reliable compressors with low level of noise operation (at -80°C) 58db.
- Internal VIP panels reduce cold loss, CFC-free high density PUF foam
- Complete SS body for high sample safety & easy cleaning
- Better warm up time of 9hrs for -85°C and pull down time of 3hr 50min keeps the sample cold as long as possible once power failure
- Automated vent port for quick re-access to samples , compressor has fan air filters on front panel for ease of access, has 5 inner compartment
- The system has co2/No2 backup system (optional)
- System comes with RS-485 interface option and option for connectivity
- Open door recovery of 10 min or lesser for 15 sec
- Battery backup and pass word protection security, so tampering can be stop
- Cabinet is uniform at -80°C of +7.2°C/-0.0°C or better
- Door has security keyed locks with option to lock ergonomically desgined door handle
- Freezer has heavy duty caster for easy movement
- Fully programmable microprocessor based LCD eye level display and have password Protection

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Specifications

Model	INV-DF86V
Shelf/drawer	Stainless steel shelf
Cooling	Direct cooling
Defrost	Manual
Refrigerant	HC(R290&R170)
Noise (db)	58 db
Temperature range	-50°C to -86°C
Cabinet uniformity	±3.6°C at -80°C
Compressor brand/qty	SECOP/2
Cooling system	Cascade
Sensor	PT100
Temperature controller	Microprocessor
Display	7" eye level LDC display
Pull down time	3 hrs 50 min or lesser
Warm up time	40 hrs
Voltage/frequency	230V/50Hz
Power	690W
Power consumption	8.3kWh/day @-80°C/ 5.7kwh/day @-70°C
Inside material	Stainless steel 304 2B
Outside material	Powder coated steel
Insulation	PUF
Capacity	588L
NT/GT	290kgs
Exterior size WxDxH	872x1192x1994.5mm
Interior size WxDxH	606x738x1310mm
Racks	25 racks
Boxes	400
Vials	4000 of 2" or more
Samples	40,000
High/low temp	Yes
Power failure	Yes
Abnormal voltage	Yes
Sensor error	Yes
Filter screen check	Yes
Thermostat failure	Yes
Low battery	Yes
Condenser clean	Yes
High ambient temp	Yes
Door ajar	Yes
Lock	Yes
Power failure backup	72hrs
Castor	Yes
Compartment door	5 inner doors
Access port qty/dia	1/25mm
USB port	yes
Chart recorder	Optional
Data logger	Optional
Remote alarm port	Yes

