

FREEZER -20



KEY FEATURES



User-Interactive & Informative
TFT Color Touch Display



User Programmable Defrost Cycle



21 CFR Compliance Software
with PC Interface



Dual Door Design for Temperature
Retention



Email Notifications For Alarms



Efficient Low-Noise Compressor with
CFC Free Refrigerant



Process & Event Alarms



Password Protected Door
Locking Mechanism



Data Recording with Mapping
(5 Channels)



High Grade PUF Insulation

FEATURES CONTD...



SCAN QR
FOR MORE DETAILS

- In-Built Programmable Timer
- User Programmable Defrost Cycle
- Intelligent Door-Open Sensing with Alarm
- External Port for Alarm & Acknowledgement
- Robust Build Quality & Compact Foot-Print
- Very User-Friendly and Informative User Interface
- Date-Time Stamped Process & Event Data Recording
- Online / Offline Data Recording With Date-Time Stamping
- High Quality PUF Insulation for Better Temperature Retention
- Instruments are Environmental Friendly with Low Power Consumption
- Comprehensive Alarm System (Process Deviations, Door Open, Mains Fail)
- 7" TFT, 65536 Color Touch Screen Display with Touch Life of more than One Million Operations
- Mains Fail Alarm: Alarm on Change-over from Mains Power to Alternate Power Source (Battery, Inverter, etc.)
- GMP Model Available

TECHNICAL SPECIFICATION

Au SERIES	MODELS	EPFL-120	EPFL-210	EPFL-320	EPFL-500
DIMENSIONS	CAPACITY (L)	120	210	320	500
	INNER CHAMBER (W x D x H) mm	450 x 450 x 600	600 x 600 x 600	600 x 600 x 900	650 x 650 x 1200
ACCESSORIES	TRAY	2	2	3	3
POWER SUPPLY [®]	SINGLE PHASE 230 VAC, 50Hz	1000 W	1300 W	1600 W	2000 W
TEMPERATURE SENSOR	RANGE	-20°C			
	RESOLUTION	0.1°C			
	ACCURACY	± 1°C			
CONTROLLER	PID CONTROLLER	7" TFT Color Touch Intelligent Micro-PLC Based, Tuned PID Temperature Controller			
	UPS SUPPLY	Separate UPS Supply Line dedicated for Controller for Uninterrupted Data Recording			
COOLING	COMPRESSOR	Hermetically Sealed, Low Noise Compressor, with CFC Free Refrigerant used for Efficient Operation			
	DEFROSTING	User Programmable Defrosting Cycle, up to 1 Month Time Settable			
AIR CIRCULATE [§]	BLOWER	Fixed Speed Blower with Air Circulated Vertically for Uniform Distribution of Temperature			
INSTRUMENT MOC	INNER CHAMBER	Inner Chamber Made of SS304 Grade			
	OUTER CHAMBER	Outer Chamber Made of Powder Coated CRCA Sheet			
	OUTER DOOR	Outer Side Made of Powder Coated CRCA Sheet & Inner Side Made of SS304			
	INNER DOOR	Inner Door Made of SS304 with Insulation			
	INSULATION	Insulation Between Inner and Outer Chamber is Filled with High Grade 65mm PUF			
	GASKET	Silicon Based Gasket is Provided for the Door to Avoid Air Leakage			
	VALIDATION PORT	Validation Port is Provided on the Side of the Instrument with Sealed Cap			
SAFETY	TRAYS	Removable Type Stainless Steel Trays with User Adjustable Spacing Between Trays			
	OPERATIONAL SAFETY	Safety Door Sensor for Operational Cut-Off to Retain Temperature Inside Chamber			
	ELECTRICAL SAFETY	Electro-Magnetic Interference Filter, Leakage Current Protector, Fast Acting Fuse, MCB Incorporated for User Safety & Component Protection			
ACCESSORIES	TEMP. SAFETY	Factory Set, Auto Electrical Cut-Off Thermostat Provided			
	DOCUMENTS	IQ, OQ Document, NABL Calibration Certificates* for Sensor & Controller			

*For Certain Sensors & Controllers we Provide Non-NABL Certificates.

[®]Actual Power Values Depends upon Site Voltage Ratings.

[§]Optional Feature