SPECIFICATIONS
FREEZE DRYER FD6L

ASP CLIMATE SOLUTIONS

Descriptions	FD6L
Ice Condensing capacity in L/24hours	6
Condenser Volume in L	24
Maximum Condenser Temperature (°C)	-82
Lowest System Vacuum(mTorr)	<80
Condenser Pull down from 25°C to -80°C (Minutes)	≤20
Vacuum Pull down Time to <100mTorr(Minutes)	≤20
Power Supply	230V AC,50HZ
Power consumption(W)	1460
Compressor Type	Hermetic-Sealed
Refrigerant Type	CFC Free
Refrigeration Type	Cascade
No of Compressors	02
Condenser Material	SS316L
Manifold Material	SS316L
Manifold Ports	8
Display Type	4" Digital Touch
Controller Type	PLC Based
Temperature Sensor	Thermocouple
Vacuum Sensor	Pirani
Vacuum Units	mTorr / µbar
Defrost Type	Hot Gas
Dimensions (LBH) mm	632X789X860
Inbuilt Data Logging	✓
Data Trends Visibility	✓
Vacuum Level Control Mode	✓
Operational Cycles	Manual /Auto
Ambient Temperature Display	✓
Alarms	Visual/Acoustic

Salient Features

- Floor Mounted Configuration with Movable castor wheels and stopper
- Siemens PLC Controls with 4" HMI Display
- High Efficient Double Stage Rotary Oil Vacuum Pump for steady Vacuum performance
- Hot Gas Defrosting System
- USB Cycle Data Export
- Live Data Trends Visibility on HMI
- Optional SS316 Tree Manifolds- 8/12 Ports with 5.5" spacing between each Ports
- Acrylic Baseplate for Aqueous Solutions and SS316L Baseplate for Solvents
- Vacuum Break Solenoid valve to hold Chamber Vacuum during Power shutdown
- Vacuum Level can be Controlled with optional units mTorr/µbar

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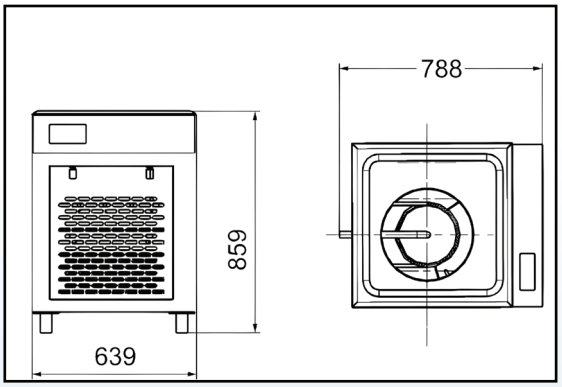
FREEZE DRYER FD6L

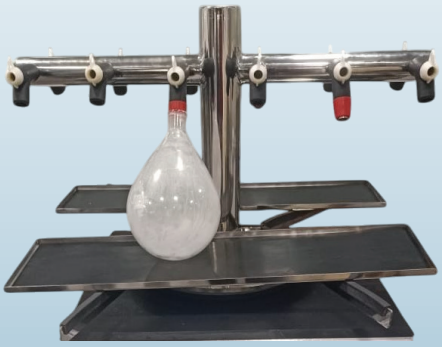
Utility Requirements	
Power Supply Range	210VAC-235VAC,50HZ,1Phase
Circuit Breaker Amperage	16A
Room Temperature Range	20°C -25°C
Servo Voltage Stabilizer Capacity	3KVA
Inert Gas Backfill N2 Pressure	5Psig Max
Maximum Peak Heat Generated	2.04kW



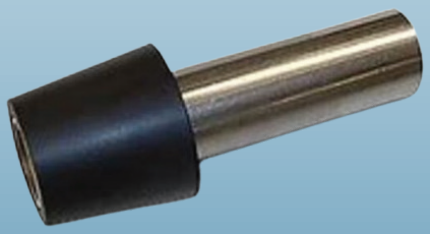
8/12 Port Manifold with Acrylic/SS316 Base Plate

Optional Accessories

Height Adjustable Tray Stand- Flask Holding



RB Flask Adapter 26/29mm,29/32mm



Filter Papers

Glass Flasks-50Ml to 1200mL

Note:

- **The Performance Specifications are based on the factory testing at 25°C ambient with Stabilized Power supply 50HZ and the result can vary if the ambient or any component changes at customer site.**
- **The specified Maximum Ice Condensing Capacity in 24 Hours are based on the process of freeze-drying water as aggressively as possible.**
- **The freeze dryer's ability to collect ice at an hourly rate or over a specified period will always be application dependent and it varies with Solvents.**

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