

# BENCH TOP FREEZE DRYERS



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Also known as Benchtop Freeze Dryer, Tabletop Lyophilizer, Laboratory Benchtop Freeze Dryer, Laboratory Tabletop Lyophilizer, Benchtop Lyophilizer, Laboratory Benchtop Lyophilizer, Standard Freeze Dryer, Manifold Freeze Dryer, Top Press Freeze Dryer, Top Press with Manifold Freeze Dryer, T-Manifold Freeze Dryer.

## LTFDR9 BENCH TOP FREEZE DRYERS

- 7 Inch color touch control LCD display
- Display run time & vacuum parameter
- The cold trap with freezing function eliminates the low temperature refrigerator
- Imported compressor, high capability of water-capture, low noise
- Mixed refrigerant, green environmental protection
- Built-in heat exchanger effectively reduces the temperature of cold trap
- Anti-return oil vacuum pump to prevent the pollution of the material
- Transparent bell-cap drying room is safe and visual
- Optional distribution defrosting function
- Optional nitrogen inflating valve



## SPECIFICATIONS

Model	LTFDR9-1	LTFDR9-2	LTFDR9-3
Type	Standard	Manifold	Top Press
Drying area	0.12 m <sup>2</sup>	0.092 m <sup>2</sup>	0.12 m <sup>2</sup>
Tray	200 x 4 mm	200 x 3 mm	200 x 4 mm
Tray capacity Condensor	1.5 L	1 L	1.5 L
No-load temperature	< -55°C (-80 optional)		
Vacuum	< 10 Pa		
Interlayer spacing	70 mm		
Vials number for reference	260 (22) 480 (16) 920 (12)	165 (22) 285 (16) 560 (12)	260 (22) 480 (16) 920 (12)
Ability to capture Water	3 kg		
Machine Size	500x400x370 mm		
Power	850 W		
Voltage	220V/50Hz or 110V/60HZ		
Plate Load Capacity	-	-	-
Condenser Temperature	-	-	-
Water Holding Capacity	-	-	-
Freeze Drying Surface Area	-	-	-
Vacuum Degree	-	-	-
No of Sealed Valves	-	-	-
Overall Dimension (mm)	-	-	-
Power Supply	-	-	-

Model	LTFDR9-4	LTFDR9-5
Type	Top Press with Manifold	T-Manifold
Drying area	0.092 m <sup>2</sup>	-

Tray	200 x 3 mm	-
Tray capacity Condensor	1 L	-
No-load temperature	< -55°C (-80 optional)	-
Vacuum	< 10 Pa	-
Interlayer spacing	70 mm	-
Vials number for reference	165 (22) 285 (16) 560 (12)	-
Ability to capture Water	3 kg	-
Machine Size	500x400x370 mm	-
Power	850 W	
Voltage	220V/50Hz or 110V/60HZ	-
Plate Load Capacity	-	1 L
Condenser Temperature	-	<50°C
Water Holding Capacity	-	3 Kg/24 h
Freeze Drying Surface Area	-	0.092 m <sup>2</sup>
Vacuum Degree	-	<10 Pa
No of Sealed Valves	-	24 pieces for 24 ampoules
Overall Dimension (mm)	-	500x400x370 mm
Power Supply	-	220 V 50 HZ /110 V 60 Hz



LTFDR9-1



LTFDR9-2



LTFDR9-3



LTFDR9-4



LTFDR9-5

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