

DualGuard Series ULT freezer

A USER-FRIENDLY Freezer

- SUS304 interior for easy cleaning & rust free
- Document groove to put paper, create a stylish lab
- Optional electric lock for safety and convenient administration
- Maximum sample storage capacity with an optimum footprint
- Special noise reduction design, a real quite lab partner







Optimal Capacity //

Product Code	Model	Capacity (L)	2ml Vial	2ml Box*	Rack Type	Rack Qty	Total Rack Qty
SQ-90013DG	MDF-86U458D	408	28800	288	5x4 & 4x4	8	16
SQ-90014DG	MDF-86U588D	588	40000	400	5x5	16	16
SQ-90015DG	MDF-86U728D	728	50000	500	5x5	20	20
SQ-90016DG	MDF-86U838D	838	60000	600	5x5	24	24
* Notes: calculated based on 100-well box.						.	



-86°C ULT Freezer

	Product Code	SQ-90013DG	SQ-90014DG	SQ-90015DG	SQ-90016DG			
	Model	MDF-86U458D	MDF-86U588D	MDF-86U728D	MDF-86U838D			
	Туре	Upright	Upright	Upright	Upright			
Technical Data Temperature	Capacity (L/cu ft)	408 / 14.41	588 / 20.76	728 / 25.70	838 / 29.59			
	Inner Doors	2 pcs, SUS304 forming door						
	Shelves	3 pcs, SUS304						
	Inner Chamber	5 pcs, 500004						
	Material	SUS304						
	Cooling Type	Direct Cooling						
	Refrigerant	Hydrocarbon, CFC Free, Non greehouse						
	Noise Level (dB)	50	51	52	53			
	Ambient Temperature							
	(°C)	10 - 32°C						
	Temperature Range							
	(°C)	-40°C to -86°C						
Cooling & Controller	Cooling System	Two independent cooling system						
	Compressor Board SECOP							
	Sensor PT 100							
	Controller Microprocessor							
	Display & Control 7" Touch Screen							
	Voltage Frequency		50/60Hz					
Electronic	Power (W)	845	815	935	890			
Parameter	Power Consumption							
	(kWh/24h)	11.6	12	13.28	13.86			
Vials Load	2ml Vials (Pcs)	28800	40000	50000	60000			
Size & Weight	Internal (WxDxH) mm	606x575x1180	606×738×1310	963×558×1350	894×718×1310			
	External (WxDxH) mm	891x992x1945	891×1155×1995	1248×975×1995	1179×1135×1995			
	Packing (WxDxH) mm	954x955x2094	970×1138×2185	1320×970×2185	1212×1098×2185			
	Net/Gross weight (kg)	292/317	335/363.5	380/400	397/430			
Alarm System	High / Low			_				
	Temperature	V	٧	V	√			
	Power Failure	٧	٧	٧	√			
	Abnormal Voltage	V	٧	٧	√			
	Sensor Error	٧	٧	٧	√			
	Filter Screen Check	٧	٧	٧	√			
	Controller Failure	٧	٧	٧	√			
	Low Battery	٧	٧	٧	√			
	Condenser	٧	٧	٧	٧			
	Malfunction	٧	V	٧	V			
	High Ambient	٧	٧	٧	V			
	Temperature	V	v					
	Door Ajar	V	V	V	√			
Accessories	Caster Wheels	4	4	4	4			
	Test Hole / Diameter	1/25mm	1/25mm	1/25mm	1/25mm			
	Remote Alarm Contact	Yes	Yes	Yes	Yes			
	USB Port	Yes	Yes	Yes	Yes			
	Temperature Recorder	Optional	Optional	Optional	Optional			
	Freezer Racks	Optional	Optional	Optional	Optional			
	CO2 Backup System	Optional	Optional	Optional	Optional			
	LN2 Backup System	Optional	Optional	Optional	Optional			