

BIOTEK Board vacuum freeze dryer



TFDS-06B-ST

Large machine

Model	TFDS-06B-ST	TFDS-16B-ST	TFDS-32B-ST
Condenser machine temperature	-60°C (ST model)		
Condenser machine cooling rate	ST model: -40°C/10min		
Condenser tube material	Standard model: SS304 stainless steel		
Condenser tube material/style	Standard model: SS316 stainless steel/ spirally wound tube		
Condenser machine capacity	196L	196L	196L x 2 unit
Condenser machine efficiency	35L/24Hr	40 L/24Hr	80 L/24Hr
Board temperature control range	ST model: -50°C ~+40°C		
Board size(deck)	50cm x 100cm(6+1)	40cm x 80cm(16+1)	40cm x 80cm(16+1) x 2 unit
Board area	3.00 m ²	5.12 m ²	10.24 m ²
Disposal of sample (liquid height 2cm)	60L	100L	200L
Board spacing	40mm~70mm		
Board, cavity material	Standard model: SS304 stainless steel(or SS316 stainless steel)		
Compressor	Environmental protection compressor		
Compressor cooling model	Air cooled(or water cooled)		
Turbomolecular pump	Displacement 500L/min x 1 unit	Displacement 800L/min x 1 unit	Displacement 800L/min x 2 unit
Shape (D x W x H)	220 x 150 x 200cm	300 x 200 x 200cm	300 x 300 x 200cm
Electric source	Three-phase supply 220V or 380V		



FDS-08B-ST/LT(CLEAN ROOM MODEL)



FDS-5B-ST/LT(CAPPING MODEL)

Medium scale machine(capping model & clean room model)

Model	FDS-5B-ST/LT	FDS-6B-ST/LT	FDS-08B-ST/LT	FDS-10B-ST/LT
Condenser machine temperature	-50°C (ST model)/ -80°C (LT model)			
Condenser machine cooling rate	ST model: -45°C/10min LT model: -80°C/10min			
Condenser tube material	Standard model: SS304 stainless steel			
Condenser tube material	Standard model: SS316 stainless steel			
Condenser machine capacity	76L	76L	96L	115L
Condenser machine style	spirally wound tube			
Condenser machine efficiency	20L/24Hr	30 L/24Hr	35 L/24Hr	35 L/24Hr
Compressor cooling model	Air cooled(or water cooled)			
Compressor	Environmental protection compressor			
Board temperature control range	ST model: -40°C~+60°C LT model: -60°C~+60°C			
Board size(deck)	A:30X40cm(5+1) B:30X60cm(5+1) C:35X60cm(5+1)	A:30X60cm(6+1) B:35X60cm(6+1)	A:30X60cm(8+1) B:35X60cm(8+1)	A:30X60cm(10+1) B:35X60cm(10+1)
Board area	A:0.60 m ² B:0.90 m ² C:1.05 m ²	A:1.08 m ² B:1.26 m ²	A:1.44 m ² B:1.68 m ²	A:1.80 m ² B:2.10 m ²
Disposal of sample (liquid height 2cm)	A:12.0L B:18.0L C:21.0L	A:21.6L B:25.2L	A:22.8L B:33.6L	A:36.0L B:42.0L
Board spacing	70mm	70mm	60mm	60mm
Board, cavity material	Standard model: SS304 stainless steel(or SS316 stainless steel)			
Turbomolecular pump	Displacement 280L/min	Displacement 280L/min	Displacement 280L/min	Displacement 280L/min
Shape (D x W x H)	120 x 85 x 190cm	120 x 85 x 190cm	150 x 100 x 190cm	150 x 100 x 200cm
Electric source	Single-phase supply 220V or Three-phase supply 220V			



FD-3B-ST/LT

Single-cavity experimental machine

Model	FD-3B-ST/LT
Condenser machine temperature	-50°C/-80°C
Condenser machine cooling rate	-40°C/10min or -70°C/10min
Condenser tube material	SS316 stainless steel/spirally wound tube
Condenser machine efficiency	5L/24h
Board temperature control range	ST model: -40°C~+60°C LT model: -60°C~+60°C
Board size(deck)	A:20cm x 30cm(3+1)/B:30cm x 40cm(3+1)
Board area	A:0.18 m ² /B:0.36 m ²
Disposal of sample (liquid height 2cm)	A:3.6L/B:7.2L
Board spacing	70mm
Board, cavity material	SS304 stainless steel
Compressor	Environmental protection compressor
Turbomolecular pump	Displacement 120L/min
Shape (D x W x H)	70 x 60 x 80cm
Electric source	Single-phase supply/220V60Hz



Manifold machine

Model	MFD3-ST/LT	MFD6-ST/LT	MFD9-ST/LT	MFD12-ST/LT	MFD16-ST/LT	MFD20-ST/LT
Condenser machine capacity	3L	6L	9L	12L	16L	20L
Condenser machine efficiency	1L/24Hr	3L/24Hr	4.5L/24Hr	6L/24Hr	8L/24Hr	12L/24Hr
Condenser machine temperature	-50°C (ST model)/ -80°C (LT model)					
Turbomolecular pump	Displacement 120L/min					
Compressor	Environmental protection compressor			Environmental protection compressor		
Manifold	4	6	8	8	10	12
Electric source	Single-phase supply 110V/220V60Hz			Single-phase supply 220V60Hz		