

Innovative lid and excellent small neck openings design can greatly reduce the liquid nitrogen evaporation rate.

Advanced temperature monitoring system

Microprocessor-based control system and the vertical double platinum resistance temperature probe can display real time temperature, accuracy of ±1°C. The user can set their own alarm temperature value, with



Automatic filling liquid nitrogen and liquid level monitoring system

Based on the differential pressure sensor, level monitoring system could display real-time liquid level, to ensure that the liquid nitrogen automatic filling process safe and reliable. 10-inch LCD touch screen display: temperature of the top, bottom temperature, liquid level, and operating status etc.



Hot gas bypass

The hot gas bypass can remove nitrogen which is at indoor temperature before the liquid nitrogen is filled, to ensure that only liquid nitrogen is filled into the tank and avoid temperature fluctuations in the liquid nitrogen tank during the filling process. It would make sure the safety of the sample and also reduce the additional Liquid nitrogen consumption.



Humanization design

Stainless steel auxiliary table, can be used for temporary placement for the racks to speed up the sample picking and placing; folding steps reduce the height of the operation platform; spare opening on the internal tray for easy to find inadvertently dropped samples.



- Compatible with vapor and liquid storage modes;
- Various capacity optional to meet your storage requirements;
- 3 More specimen capacity in a limited space to reduce the storage costs;
- Excellent temperature uniformity and stability;
- 6 Excellent temperature stability after opening lid;
- 6 Advanced temperature, level monitoring and alarm system, remote network monitoring;
- Automatic filling liquid nitrogen system, safe and efficient;

- 8 Controlling system can permanently store operating
- One button to demist, easy to search, pick and place
- User-friendly design, comfortable operation;
- Lockable lid, fully guarantee the safety of the specimen;
- Equipped with folding steps and workbench;
- (B) CE certified;
- Products conform to GB/T 14174-2012.



PRODUCT ADVANTAGES



Big storage capacity

Compared with similar products, our products need less space and could store more samples; save space and also reduce the cost;



Excellent temperature uniformity

Vacuum insulated stainless steel structure, high vacuum coverage to ensure excellent insulation properties;

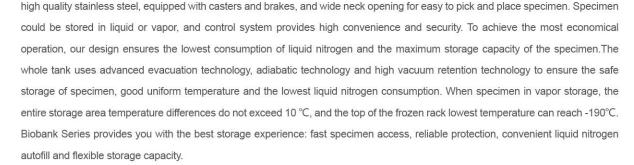


Even keep the lid open for a long time, the temperature inside the tank can still be very stable; temperature could be not higher than -150°C within 48 hours;









Cryobiobank series provide users with automatic, secure and reliable cryogenic liquid nitrogen freezing systems. Tanks are made of

RYOBIOBANK SERIES

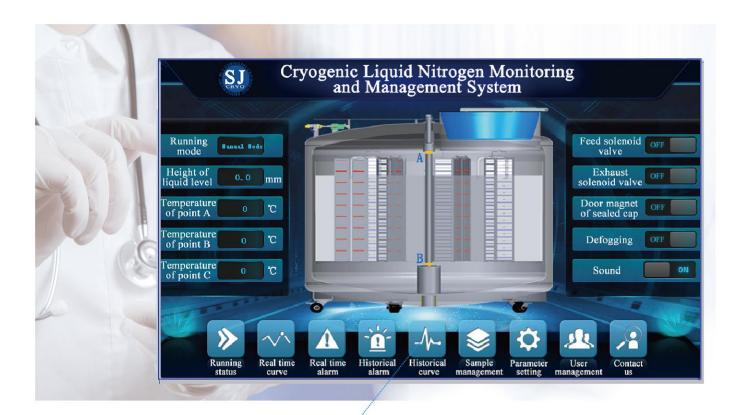
SJ YDD-750-VS/PM

PRODUCT OVERVIEW

SJ YDD-1800-VS/PM

SDYDD-350-VS/PM

YDD-450-VS/PM



ZJY-700N INTELLIGENT CONTROL SYSTEM

- 1 Automatic liquid nitrogen filling;
- Special structure to prevent liquid nitrogen splashing;
- 3 Hot air bypass function;
- 4 Platinum resistance temperature
- 6 Differential pressure level sensor;
- 6 Automatic recording level, temperature and other data;
- Local monitoring center;

- 8 Cloud monitoring and manage-
- A variety of alarm self-diagnosis;
- SMS remote alarm;
- Action permission settings;
- Run / alarm parameters settings;
- (Sound and light abnormal alarm to remind;
- Backup power and UPS power supply.



RACKS LAYOUT

Vertical racks

25ml Blood bag racks

50ml Blood bag racks

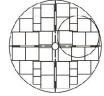
YDD-350 YDD-450



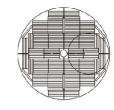




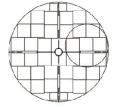
YDD-550 YDD-750

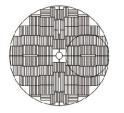






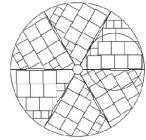
YDD-850 YDD-1000

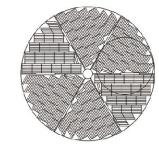


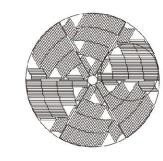




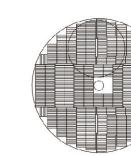
YDD-1300 YDD-1600 YDD-1800

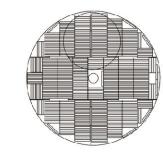






YDD-1300 YDD-1600 YDD-1800





STYDD-850-VS/PM

SPECIFICATIONS

MODEL	YDD-350-VS/PM		YDD-450-VS/PM			YDD-550-VS/PM			YDD-750-VS/PM			YDD-850-VS/PM					
LN2 Capacity Under Platform Vapor Storage (L)	55			55			80			80			135				
LN2 Capacity (L)	350			460			587			783			890				
Neck Opening (mm)	326			326			445			445			465				
Usable Internal Height (mm)	600			828			600			828			773				
Outer Diameter (mm)	875			875			1104			1104			1190				
Overall Height (mm) Containing Instrument Height	t 1326			1558			1321			1591			1559				
Weight Empty (kg)	219			277			328			372			441				
Operation Height (mm)	1263			1212			1266			1216			980				
Weight Liquid Full (kg)	502			649			802			1005			1160				
Door Width Requirement (≥mm)	895			895			1124			1124			1210				
				Maxim	um Sto	rage Cap	acity of 2	ml Inte	nal Rotar	y Freeze	Storage	e Tube					
1.2,1.8 & 2 ml Vials (Internally Threaded) (ea)	1	3000		18200			27000			37800			42900				
Number of Racks with 25 (5×5) Cell Boxes (ea)	4			4			12			12			4				
Number of Racks with 100 (10×10) Cell Boxes (ea	a) 12			12			24			24			32				
Number of 25 (5×5) Cell Boxes (ea)	40			56			120			168			52				
Number of 100 (10×10) Cell Boxes (ea)	120			168			240			336			416				
Number of Stages per Rack (ea)	10			14			10			14			13				
							Maximun	n Straw	Capacity	,							
High Security Straw Capacity (0.5 ml) (ea)	curity Straw Capacity (0.5 ml) (ea) 111312					131220			203040			253800			304920		
High Security Straw Capacity (0.25 ml) (ea)	254592			301120			468544			585680			699360				
Number of Canisters (76 mm) (ea)	52			52			112			112			120				
Number of Canisters (63 mm) (ea)	8			8			0			0			16				
Number of Canisters (38 mm) (ea)	28			12			24			24			40				
Number of Levels per Canister (ea)	4			5			4			5			5				
Level Height (mm)	135			135			135			135			135				
						M	aximum E	Blood B	ag Capac	city					÷		
Blood Bag Type	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames		
25ml (791 OS/U)	1296	6	216	1728	8	216	2376	6	396	3168	8	396	3360	7	480		
50ml (4R9951)	792	6	132	1056	8	132	1416	6	236	1888	8	236	2072	7	296		
500ml(DF-200)	168	3	56	280	5	56	336	3	112	560	5	112	544	4	136		
250ml(4R9953)	300	3	100	500	5	100	552	3	184	920	5	184	944	4	236		
500ml(4R9955)	192	3	64	320	5	64	408	3	136	680	5	136	640	4	160		
700ml(DF-700)	96	3	32	128	4	32	204	3	68	272	4	68	320	4	80		

MODEL	YDD-1000-VS/PT			YDD-1300-VS/PM			YDD-1600-VS/PM			YDD-1800-VS/PM			YDD-1800-VS/PT		
LN2 Capacity Under Platform Vapor Storage (L)	135			265			300			320			320		
LN2 Capacity (L)	1014			1340			1660			1880			1880		
Neck Opening (mm)	465			635			635			635			635		
Usable Internal Height (mm)	900			620			791			900			900		
Outer Diameter (mm)	1190			1565			1565			1565			1565		
Overall Height (mm) Containing Instrument Height	1827			1398			1589			1883			1883		
Weight Empty (kg)	495			851			914			985			985		
Operation Height (mm)	950			997			967			1097			1097		
Weight Liquid Full (kg)	1314			1934			2255			2504			2504		
Door Width Requirement (≥mm)	1210			1585			1585			1585			1585		
				Maxim	um Sto	rage Cap	acity of 2	ml Inter	nal Rotan	/ Freeze	Storag	e Tube			
1.2,1.8 & 2 ml Vials (Internally Threaded) (ea)	51000			58500			76050			87750			94875		
Number of Racks with 25 (5×5) Cell Boxes (ea)	16			18			18			18			13		
Number of Racks with 100 (10×10) Cell Boxes (ea	30			54			54			54			60		
Number of 25 (5×5) Cell Boxes (ea)	240			180			234			270			195		
Number of 100 (10×10) Cell Boxes (ea)	450			540			702			810			900		
Number of Stages per Rack (ea)	15			10			13			15			15		
							Maximum	Straw	Capacity						
High Security Straw Capacity (0.5 ml) (ea)	3	6590	4	480168			600210			720252			671166		
High Security Straw Capacity (0.25 ml) (ea)	839232			1101000			1376250			1651500			1543884		
Number of Canisters (76 mm) (ea)	120			234			234			234			232		
Number of Canisters (63 mm) (ea)	16			42			42			42			24		
Number of Canisters (38 mm) (ea)	40			54			54			54			39		
Number of Levels per Canister (ea)	6			4			5			6			6		
Level Height (mm)	135			135			135			135			135		
						M	aximum B	lood Ba	ag Capaci	ty					
Blood Bag Type		Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames		Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames
25ml (791 OS/U)	4356	9	484	4716	6	786	5502	7	786	7074	9	786	7758	9	862
50ml (4R9951)	2682	9	298	2916	6	486	3402	7	486	4374	9	486	4905	9	545
500ml(DF-200)	670	5	134	666	3	222	888	4	222	1110	5	222	1290	5	258
250ml(4R9953)	1180	5	236	1170	3	390	1560	4	390	1950	5	390	2095	5	419
500ml(4R9955)	810	5	162	828	3	276	1104	4	276	1380	5	276	1520	5	304
700ml(DF-700)	400	5	80	396	3	132	528	4	132	660	5	132	775	5	155