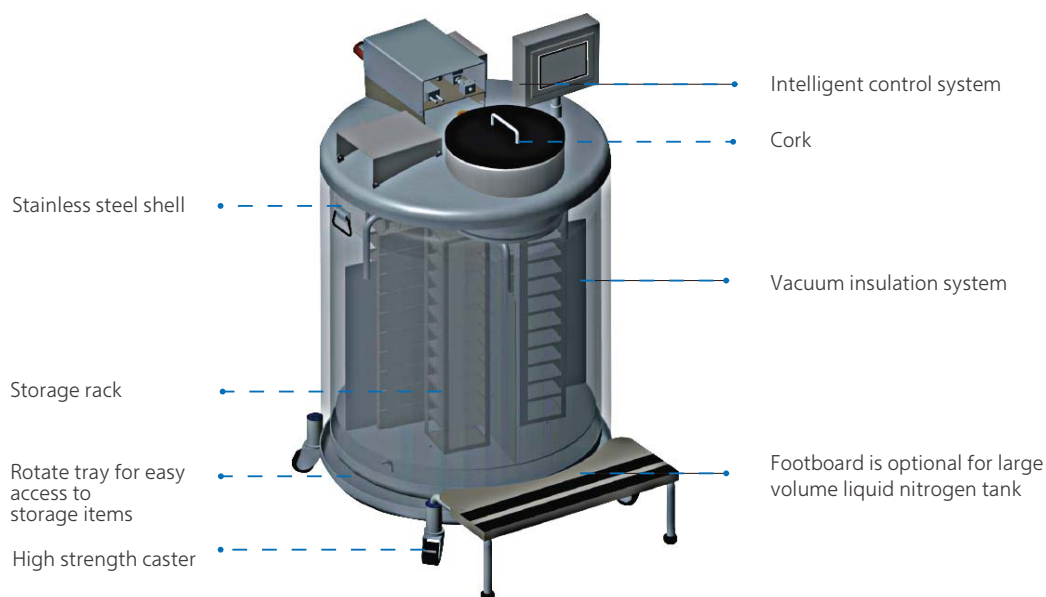


Stainless Steel Nitrogen Tank

Stainless steel liquid nitrogen tank

Midea stainless steel liquid nitrogen tank can store a large number of samples under very low consumption of liquid nitrogen.



■ Product advantages



Midea biomedical stainless steel liquid nitrogen tanks provide excellent protection for biological samples. The liquid nitrogen tank is equipped with microprocessor and liquid nitrogen level monitoring system to ensure the stable operation of the system and the safety of samples.



Vacuum insulation technology ensure excellent internal temperature uniformity. For vapour storage. The temperature at the top is below -160°C after the lid opened for four hours.



The system will automatically discharge nitrogen in the pipeline when filling liquid nitrogen, it can reduce the impact on the internal temperature of the tank and ensure the safety of the sample.



Midea biomedical liquid nitrogen tank has unique design to store more samples per unit area which can reduces storage costs for users.

Models		YDD-370-320P	YDD-460-320P
Maximum Storage Capacity	2 ml Vials (Internal Thread)	15600	19500
	Freeze Rack (100 wells)	12	12
	Freeze Rack (25 wells)	4	4
	Layers of each Rack	12	15
Performance	Volume of LN2 (L)	370	460
	Volume of LN2 under the Tray (L)	52	55
Dimension	Inside Neck Diameter (mm)	320	320
	Operating Height (mm)	750	945
	Height (mm)	1440	1635
	Empty Weight (kg)	235	295

Models		YDD-850-465P	YDD-1000-465P	YDD-1800-635P
Maximum Storage Capacity	2 ml Vials (Internal Thread)	42900	49500	94875
	Freeze Rack (100 wells)	32	32	60
	Freeze Rack (25 wells)	4	4	13
	Layers of each Rack	13	15	15
Performance	Volume of LN2 (L)	850	1000	1800
	Volume of LN2 under the Tray (L)	135	135	320
Dimension	Inside Neck Diameter (mm)	465	465	635
	Operating Height (mm)	880	945	920
	Height (mm)	1880	1952	1890
	Empty Weight (kg)	472	495	985

Stainless Steel Nitrogen Tank

Aluminum alloy liquid nitrogen tank

Aluminum alloy liquid nitrogen tank has the characteristics of light weight, high strength at low temperature and corrosion resistance.



■ Laboratory liquid nitrogen tank

Laboratory liquid nitrogen tanks are used for long-term storage of laboratory.

■ Product features

- Designed for large capacity storage;
- Low liquid nitrogen consumption;
- Convenient and lighter packaging;
- Standard safety lock lid;
- High strength and light Vacuum aluminum structure.



■ Portable liquid nitrogen tank

Portable liquid nitrogen tanks are designed for users with small storage requirements to facilitate the transportation of samples.

■ Product features

- Suitable for small volume liquid storage;
- Small amount of liquid nitrogen volatilization and simple maintenance;
- Standard safety lock lid;
- High strength and light Vacuum aluminum structure.

Stainless Steel Nitrogen Tank



■ Static liquid nitrogen tank

The static liquid nitrogen tank with both advantages of low liquid nitrogen consumption and large storage capacity. Large diameter facilitates frequent sample extraction.

■ Product features

- The bottleneck of large openings;
- Large capacity, low consumption of liquid nitrogen;
- Standard safety lock lid;
- High strength and light Vacuum aluminum structure.



■ Air transport liquid nitrogen tank

Air transport liquid nitrogen tank is suitable for air transport. Internal liquid nitrogen absorption body can absorb and save the liquid nitrogen, No liquid nitrogen spills out even the container is tipped. It also has special stainless steel screens to separate storage Spaces from liquid nitrogen sorbents, which can prevents liquid nitrogen sorbents from contaminating the cryovias.

■ Product features

- Vapour liquid nitrogen storage;
- Rapid liquid nitrogen filling;
- Aluminum alloy structure, strong and durable;
- Standard safety lock lid.

Models		YDS-35-125	YDS-50-125	YDS-95-216
Category		Laboratory liquid nitrogen tanks	Laboratory liquid nitrogen tanks	Laboratory liquid nitrogen tanks
Maximum Storage Capacity	No. of Rack	6	6	6
	1.2 & 2.0 ml Cryovials (100 / Box)	–	–	3000
Performance	1.2 & 2.0 ml Cryovials (25 / Box)	750	1050	–
	Layer	5	7	5
	Volume of LN(L)	35	50	95
Dimension	Static Evaporation Rate* (L/Day)	0.36	0.36	0.95
	Static Holding Time (Day)	97	139	100
	Inside Neck Diameter (mm)	125	125	216
	Height (mm)	627	761	795
	Outer Diameter (mm)	464	464	665
	Empty weight (kg)	14.6	15.8	42

Models		YDS-3	YDS-6	YDS-13	YDS-10-80
Category		Portable liquid nitrogen tank		Static liquid nitrogen tank	
Maximum Storage Capacity	No. of Rack	6	6	6	6
	5.0 ml Cryovials (100 / Box)	792	792	1284	2244
	2.5 ml Cryovials (100 / Box)	1788	1788	2832	5022
Performance	Volume of LN (L)	3	6	13	10
	Static Evaporation Rate* (L/Day)	0.12	0.12	0.12	0.21
	Static Holding Time*(Day)	26	52	109	48
Dimension	Inside Neck Diameter (mm)	50	50	50	80
	Height (mm)	445	495	725	568
	Outer Diameter (mm)	225	300	300	300
	Rack Height (mm)	120	120	276	120
	Rack Dimension (mm)	38	38	38	38
	Empty weight (kg)	4.07	5.62	7.38	6.8

Models		YDS-115-216	YDS-145-216	YDS-175-216
Category		Laboratory liquid nitrogen tanks	Laboratory liquid nitrogen tanks	Laboratory liquid nitrogen tanks
Maximum Storage Capacity	No. of Rack	6	6	6
	1.2 & 2.0 ml Cryovials (100 / Box)	3600	4800	6000
Performance	1.2 & 2.0 ml Cryovials (25 / Box)	–	–	–
	Layer	6	8	10
	Volume of LN(L)	115	145	175
Dimension	Static Evaporation Rate* (L/Day)	0.94	0.96	0.95
	Static Holding Time (Day)	122	151	184
	Inside Neck Diameter (mm)	216	216	216
	Height (mm)	950	1010	1070
	Outer Diameter (mm)	678	678	678
	Empty weight (kg)	50.5	53.9	57.5

Models		YDS-20	YDS-30	YDH-3	YDH-10-125	YDH-25-216
Maximum Storage Capacity	Category	Static liquid nitrogen tank		Air transport liquid nitrogen tank		
	No. of Rack	6	6	1	–	–
	5.0 ml Cryovials (100 / Box)	1284	1284	264	–	–
	2.5 ml Cryovials (100 / Box)	2832	2832	596	–	–
Performance	Volume of LN (L)	20	30	3	10	25
	Static Evaporation Rate* (L/Day)	0.12	0.12	0.16	0.43	0.84
	Static Holding Time*(Day)	168	254	20	23	29
Dimension	Inside Neck Diameter (mm)	50	50	50	125	216
	Height (mm)	688	665	436	560	755
	Outer Diameter (mm)	395	451	225	300	398
	Rack Height (mm)	276	276	276	–	–
	Rack Dimension (mm)	38	38	38	–	–
	Empty weight (kg)	13	14.71	4.5	7.6	16

Stainless Steel Nitrogen Tank

Self-pressurized Series for LN2 Storage and Supply

The self-pressurized liquid nitrogen container uses the pressure generated by the gasification of a small amount of liquid nitrogen in the tank, so that the liquid nitrogen can be released automatically, so as to supplement the liquid nitrogen for other containers. Mainly used for transporting and storing liquid nitrogen. At present, it is widely used in animal husbandry, medicine, semiconductor, food, cryogenic chemical industry, aerospace, military and other industries and fields.



■ Product features

- High strength stainless steel material;
- Unique tank structure, better stability;
- High quality universal wheel, more convenient to move;
- Rotary ring construction;
- Double safety valve design, safer to use.

Models		YDZ-50	YDZ-200	YDZ-300	YDZ-500
Performance	Volume of LN2 (L)	50	206	310	500
	Static Evaporation Rate* (L/Day)	2.2	1.2	1.1	1.4
	LN2 Output (L/Min)	≥5 L/Min	≥10L/Min	≥5L/Min	≥15 L/Min
Dimension	Outside Diameter (mm)	455	656	806	1008
	Height(mm)	1120	1495	1470	1520
	Empty weight(kg)	45	110	155	241
	Standard working pressure (Mpa)	0.05	0.05	0.05	0.05
	Maximum working pressure (Mpa)	0.09	0.09	0.09	0.09
	First stage safety valve relief pressure (Mpa)	0.099	0.099	0.099	0.099
	Second stage safety valve release pressure (Mpa)	0.15	0.15	0.15	0.15