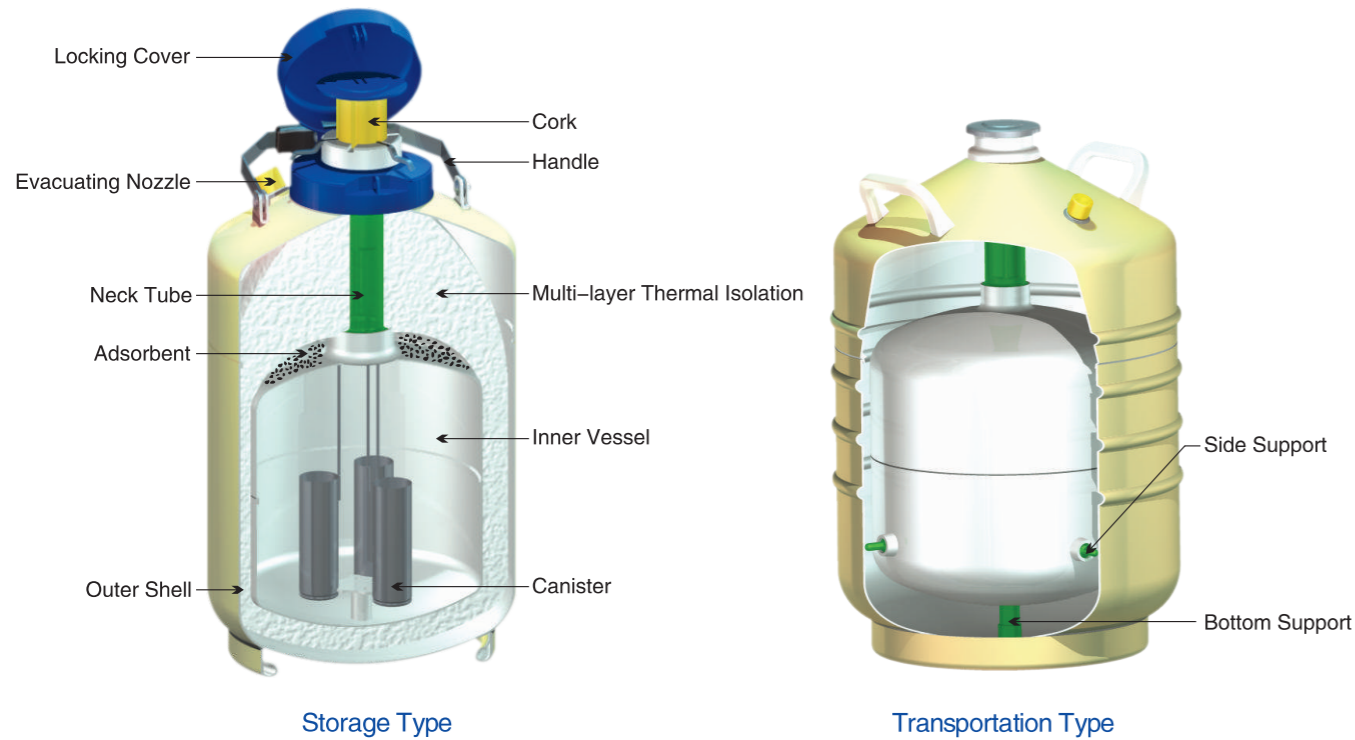


These small capacity containers are designed for transferring biological samples stored via manual work. They are light, portable and economical, with lower static evaporation loss.



Main Features:

- High-strength aluminum alloy structure, light empty weight;
- Multi-layer thermal isolation design;
- Hinged handle, portable;
- Optional locking cover to protect stored biological samples;
- Protective jacket to prevent collision, portable;



Specifications

Model	Unit	YDS-1-30	YDS-2-30	YDS-2-35	YDS-3	YDS-6	YDS-10	YDS-10-80	
Part Number *	-	20005423	20005424	20005425	20005426	20005429	20005430	20005431	
Capacity	L	1.0	2.0	2.0	3.15	6.0	10.0	10.0	
Empty Weight	kg	2.0	2.9	3.2	3.4	5.0	6.2	6.5	
Neck Diameter	mm	30	30	35	50	50	50	80	
Outer Diameter	mm	180	224	195	224	287	303	303	
Height	mm	315	360	395	420	435	530	540	
Static Evaporation Loss **	L/d	0.06	0.06	0.09	0.10	0.10	0.10	0.18	
Static Hold Time	d	16	32	23	31	63	101	57	
Canister Outer Diameter	mm	26	19	25	38	38	38	63	
Canister Height	mm	120	120	120	120	120	120	120	
Numbers of Canisters	ea	1	3	3	6	6	6	6	
Straw Holding Capacity (single level)	0.5ml	ea	60	90	180	792	792	792	2040
	0.25ml	ea	120	204	360	1788	1788	1788	4584
Straw Holding Capacity (double level)	0.5ml	ea	-	-	-	-	-	-	-
	0.25ml	ea	-	-	-	-	-	-	-
Optional Locking Cover	ea	-	√	√	√	√	√	√	

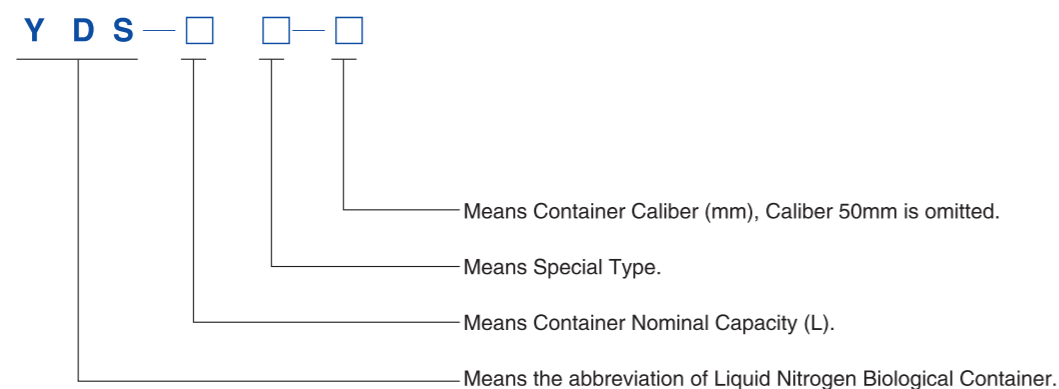
* Containers with same PN may contain various configurations. Please confirm when ordering.

** Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Accessories



YDS Coding System Explanation



E.g.1: YDS-30 means liquid nitrogen biological container for storage of 30L nominal capacity with 50mm caliber.

E.g.2 : YDS-50B-80 means liquid nitrogen biological container for transportation of 50L nominal capacity with 80mm caliber.

For Storage

These moderate capacity containers are the priority choice for customers who will store biological samples or liquid nitrogen for an extended period of time under static environment.



Specifications

Model	Unit	YDS-10A	YDS-10-90	YDS-12-90	YDS-13	YDS-15	YDS-16	
Part Number *	-	20005434	20005432	20045859/15089984	20005435	20005437	20005439	
Capacity	L	10.0	10.0	12.0	13.0	16.0	17.0	
Empty Weight	kg	6.5	6.8	9.0	7.0	8.2	8.5	
Neck Diameter	mm	50	90	90	50	50	50	
Outer Diameter	mm	287	303	406	303	355	355	
Height	mm	605	538	470	600	600	620	
Static Evaporation Loss **	L/d	0.09	0.18	0.26	0.10	0.10	0.10	
Static Hold Time	d	110	55	45	131	161	171	
Canister Outer Diameter	mm	38	70	70/43	38	38	38	
Canister Height	mm	276	120	127	276	120	276	
Numbers of Canisters	ea	6	6	6/9	6	6	6	
Straw Holding Capacity (single level)	0.5ml	ea	-	2588	2588/1566	-	792	-
	0.25ml	ea	-	6192	6192/3438	-	1788	-
Straw Holding Capacity (double level)	0.5ml	ea	1284	-	-	1284	-	1284
	0.25ml	ea	2832	-	-	2832	-	2834
Numbers of Canes	ea	-	-	-	24	-	24	
Numbers of Vials	ea	-	-	-	120	-	120	
Optional Locking Cover	ea	√	√	√	√	√	√	

* Containers with same PN may contain various configurations. Please confirm when ordering.

** Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Accessories



Cork



Goblet Cannister



Level Measuring Scale



Level Monitor

For Storage

Main Features:

- High-strength aluminum alloy structure;
- Multi-layer thermal isolation design;
- Optional locking cover to protect stored biological samples;
- Protective jacket to prevent collision;



Specifications

Model	Unit	YDS-20	YDS-30	YDS-30-80	YDS-30-90	YDS-30-125	
Part Number *	-	20005440	20005442	20005443	20005444	20005445	
Capacity	L	20.0	31.5	31.5	31.5	31.5	
Empty Weight	kg	11.2	12.9	13.5	13.6	14.2	
Neck Diameter	mm	50	50	80	90	125	
Outer Diameter	mm	409	446	446	446	446	
Height	mm	650	670	680	680	685	
Static Evaporation Loss **	L/d	0.10	0.11	0.18	0.18	0.28	
Static Hold Time	d	202	295	174	174	112	
Canister Outer Diameter	mm	38	38	63	70	97	
Canister Height	mm	120/276	120/276	120/276	120/276	120/276	
Numbers of Canisters	ea	6	6	6	6	6	
Straw Holding Capacity (single level)	0.5ml	ea	792	792	2244	2588	5124
	0.25ml	ea	1788	1788	5022	6192	11952
Straw Holding Capacity (double level)	0.5ml	ea	1284	1284	3624	4920	9048
	0.25ml	ea	2832	2832	8460	10688	19944
Numbers of Canes	ea	24	24	72	90	198	
Numbers of Vials	ea	120	120	360	450	990	
Optional Locking Cover	ea	√	√	√	√	√	

* Containers with same PN may contain various configurations. Please confirm when ordering.

** Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Accessories

For Storage

These large capacity containers feature longer hold time and are ideal for customers with high storage volume under static environment.

Main Features:

- High-strength aluminum alloy structure;
- Multi-layer thermal isolation design;
- Optional locking cover to protect stored biological samples;
- Protective jacket to prevent collision;



Specifications

Model	Unit	YDS-35	YDS-35-80	YDS-35-125	YDS-47-127
Part Number *	-	20005447	20005448	20005449	20005469
Capacity	L	35.5	35.5	35.5	47.0
Empty Weight	kg	13.8	14.1	15.1	19.0
Neck Diameter	mm	50	80	125	127
Outer Diameter	mm	473	473	473	500
Height	mm	680	680	690	675
Static Evaporation Loss **	L/d	0.11	0.19	0.29	0.33
Static Hold Time	d	333	187	123	142
Canister Outer Diameter	mm	38	63	97	103
Canister Height	mm	120/276	120/276	120/276	120/276
Numbers of Canisters	ea	6	6	6	6
Straw Holding Capacity (single level)	0.5ml	ea 792	2244	5124	6702
	0.25ml	ea 1788	5022	11952	14046
Straw Holding Capacity (double level)	0.5ml	ea 1284	3624	9048	10704
	0.25ml	ea 2832	8460	19944	23604
Numbers of Canes	ea	24	72	198	204
Numbers of Vials	ea	120	360	990	1020
Optional Locking Cover	ea	✓	✓	✓	✓

* Containers with same PN may contain various configurations. Please confirm when ordering.

** Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Accessories



Roller Base



Goblet Cannister

For Transportation

This series is designed for sample transportation with special side or bottom reinforcements.

Main Features:

- High-strength aluminum alloy structure;
- Multi-layer thermal isolation design;
- Optional locking cover to protect stored biological samples;
- Optional roller base to move the container easily;
- Protective jacket to prevent collision;



Specifications

Model	Unit	YDS-30B	YDS-30B-80	YDS-35B	YDS-35B-80
Part Number *	-	20005456	20005457	20005459	20005460
Capacity	L	31.5	31.5	35.5	35.5
Empty Weight	kg	13.1	13.7	14.0	14.3
Neck Diameter	mm	50	80	50	80
Outer Diameter	mm	446	446	473	473
Height	mm	675	680	680	680
Static Evaporation Loss **	L/d	0.16	0.23	0.17	0.23
Static Hold Time	d	191	136	215	154
Canister Outer Diameter	mm	38	63	38	63
Canister Height	mm	120/276	120/276	120/276	120/276
Numbers of Canisters	ea	6	6	6	6
Straw Holding Capacity (single level)	0.5ml	ea 792	2244	792	2244
	0.25ml	ea 1788	5022	1788	5022
Straw Holding Capacity (double level)	0.5ml	ea 1284	3624	1284	3624
	0.25ml	ea 2832	8460	2832	8460
Numbers of Canes	ea	24	72	24	72
Numbers of Vials	ea	120	360	120	360
Optional Locking Cover	ea	✓	✓	✓	✓

* Containers with same PN may contain various configurations. Please confirm when ordering.

** Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Accessories



Cork



Locking Cover



Goblet Cannister

This series is designed for sample transportation with special side or bottom reinforcements.

Main Features:

- High-strength aluminum alloy structure;
- Multi-layer thermal isolation design;
- Optional locking cover to protect stored biological samples;
- Optional roller base to move the container easily;
- Protective jacket to prevent collision;



Specifications

Model	Unit	YDS-35B-125	YDS-50B	YDS-50B-80	YDS-50B-125	YDS-50B-200
Part Number *	-	20005461	21087149	20005463	20005464	20005465
Capacity	L	35.5	50.0	50.0	50.0	50.0
Empty Weight	kg	15.3	21.1	21.0	21.5	22.0
Neck Diameter	mm	125	50	80	125	200
Outer Diameter	mm	473	500	500	500	500
Height	mm	690	729	728	728	712
Static Evaporation Loss **	L/d	0.35	0.20	0.26	0.37	0.57
Static Hold Time	d	102	252	189	134	87
Canister Outer Diameter	mm	97	38	63	97	-
Canister Height	mm	120/276	120/276	120/276	120/276	-
Numbers of Canisters	ea	6	6	6	6	-
Straw Holding Capacity (single level)	0.5ml	ea 5124	ea 792	ea 2244	ea 5124	-
	0.25ml	ea 11952	ea 1788	ea 5022	ea 11952	-
Straw Holding Capacity (double level)	0.5ml	ea 9048	ea 1284	ea 3624	ea 9048	-
	0.25ml	ea 19944	ea 2832	ea 8460	ea 19944	-
Numbers of Canes	ea	198	24	72	198	-
Numbers of Vials	ea	990	120	360	990	-
Optional Locking Cover	ea	✓	✓	✓	✓	✓

* Containers with same PN may contain various configurations. Please confirm when ordering.

** Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Accessories



Cork



Canister

This series of containers feature in their large calibers, applying to make short-term storage of large biological products and cold processing for machine accessories.

Main Features:

- High-strength aluminum alloy structure;
- Multi-layer thermal isolation design;
- Protective jacket to prevent collision;



Specifications

Model	Unit	YDS-5-200	YDS-10-125	YDS-13-125	YDS-15-125	YDS-30-200	YDS-35-200
Part Number *	-	20005428	20005433	20005436	20005438	20005446	20005450
Capacity	L	5.0	10.0	13.0	16.0	31.5	35.5
Empty Weight	kg	5.3	7.2	7.9	8.9	14.8	15.3
Neck Diameter	mm	200	125	125	125	200	200
Outer Diameter	mm	287	303	303	355	446	473
Height	mm	320	535	610	610	675	670
Static Evaporation Loss **	L/d	1.67	0.30	0.30	0.30	0.685	0.56
Static Hold Time	d	3	33	43	53	46	63
Canister Outer Diameter	mm	-	-	-	-	-	-
Canister Height	mm	-	-	-	-	-	-
Numbers of Canisters	ea	-	-	-	-	-	-
Straw Holding Capacity (single level)	0.5ml	ea -	ea -	ea -	ea -	ea -	ea -
	0.25ml	ea -	ea -	ea -	ea -	ea -	ea -
Straw Holding Capacity (double level)	0.5ml	ea -	ea -	ea -	ea -	ea -	ea -
	0.25ml	ea -	ea -	ea -	ea -	ea -	ea -
Optional Locking Cover	ea	-	-	-	✓	✓	✓

* Containers with same PN may contain various configurations. Please confirm when ordering.

** Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Accessories



Level Measuring Scale



Level Monitor

This series is designed to store large quantities of vials while maintaining low liquid nitrogen consumption. These containers are ideally suited for use in medical and biological science and research fields.

Main Features:

- Optional locking cover to protect stored biological samples;
- Racks to provide large storing capacity;
- Optional roller base to move the container easily;
- Optional level monitor automatically displays temperature in container, and send audible alarm when temperature exceeds control range, thus protect stored samples.



Specifications

Model	Unit	YDS-47-127	YDS-65-216	YDS-120-216	YDS-175-216
Part Number *	-	21099665	20005470	20005471	20005475
Capacity	L	47.0	65.0	121.0	175.0
Empty Weight	kg	19.0	27.5	43.0	54.5
Neck Diameter	mm	127	216	216	216
Outer Diameter	mm	500	573	573	676
Height	mm	675	710	1000	1040
Static Evaporation Loss**	L/d	0.33	0.79	0.87	0.87
Static Hold Time	d	142	82	139	202
Numbers of Racks	ea	7	5	5	7
Measurement of Rack	mm	82 × 84	142 × 144	142 × 144	142 × 144
Measurement of Box	mm	76 × 76	134 × 134	134 × 134	134 × 134
Numbers of Vials	ea	875	2025	4050	5670
Optional Locking Cover	ea	√	√	√	√

* Containers with same PN may contain various configurations. Please confirm when ordering.

** Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Accessories



Rack



Carrying Cart

This series is designed specifically for liquid nitrogen storage, and characterised by their small calibers and low static evaporation loss.

Main Features:

- High-strength aluminum alloy structure;
- Multi-layer thermal isolation design;
- Protective jacket to prevent collision;



Specifications

Model	Unit	YDS-6L	YDS-10L	YDS-15L	YDS-20L	YDS-30L	YDS-35L	YDS-50L
Part Number *	-	20413289	20601714	20746685	20601711	20601710	20601713	20601715
Capacity	L	6.0	10.0	16.0	20.0	31.5	35.5	50
Empty Weight	kg	5.0	6.2	8.2	11.2	12.9	13.8	21.1
Neck Diameter	mm	50	50	50	50	50	50	50
Outer Diameter	mm	287	303	355	409	446	473	500
Height	mm	435	530	600	650	670	680	729
Static Evaporation Loss**	L/d	0.12	0.10	0.12	0.10	0.10	0.11	0.24
Static Hold Time	d	63	101		202	295	333	209
Canister Outer Diameter	mm	-	-	-	-	-	-	-
Canister Height	mm	-	-	-	-	-	-	-
Numbers of Canisters	ea	-	-	-	-	-	-	-
Straw Holding Capacity	ea	-	-	-	-	-	-	-
Optional Locking Cover	ea	-	-	-	-	-	-	-

* Containers with same PN may contain various configurations. Please confirm when ordering.

** Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Accessories



Cork



Level Measuring Scale

Dry Shipper

Liquid nitrogen absorbent is designed in the vessel of this series of containers, which absorbs and stores liquid nitrogen inside. Even if the container is turned over during transportation, liquid nitrogen never spills out. With lower static evaporation loss, these containers are especially suitable for air transportation.

Main Features:

- High-strength aluminum alloy structure, light empty weight;
- Optional locking cover to protect stored biological samples;
- Protective jacket to prevent collision;



Specifications

Model	Unit	YDH-1-127	YDH-1-200	YDH-3	YDH-8-80	YDH-8-90
Part Number *	-	21031802	21015255	20005473	20005474	20670835
Capacity	L	1.0	1.0	3.5	8.0	8.0
Empty Weight	kg	2.5	5.8	5.2	8.9	11.4
Neck Diameter	mm	127	200	50	80	90
Outer Diameter	mm	195	287	224	303	406
Height	mm	400	320	505	590	485
Static Evaporation Loss **	L/d	1.6	2.4	0.14	0.22	0.35
Static Hold Time	d	15hr	8hr	25	36	23
Canister Outer Diameter	mm	-	-	38	70	70
Canister Height	mm	-	-	276	276	127
Numbers of Canisters	ea	-	-	1	1	6
Straw Holding Capacity	0.5ml	ea	-	214	820	2588
	0.25ml	ea	-	472	1780	6192
Numbers of Canes	ea	-	-	4	15	-
Numbers of Vials	ea	-	-	20	75	-
Optional Locking Cover	ea	-	-	✓	✓	✓

Remarks:"YDH" is the abbreviation of "Liquid Nitrogen Dry Shipper" in Chinese.

* Containers with same PN may contain various configurations. Please confirm when ordering.

** Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

Accessories



Cork

Locking Cover

Goblet Cannister

Pushcart

The stainless steel pushcart makes it smooth to move large liquid nitrogen containers. Tipping Stand can be used for pouring liquid nitrogen.



Specifications

Model	Unit	YDC-470	YDC-470F	YDC-470F-30
Part Number	-	20005481	20603041	20613798
Weight	kg	5.5	8.5	8.5
Range of Containers	L	20 ~ 50	35	30
Capacity Dimension	Outer Diameter	mm	600	600
	Height	mm	900	692
Max. Carrying Capacity	kg	70	70	70

Remarks:"YDC" is the abbreviation of "Liquid Nitrogen Pushcart" in Chinese.

Auto-boosting Liquid Nitrogen Pump

The product maintains a lower evaporation loss and features a safety release. Using a hand-aspired ball (ZYB-5) or foot cylinder (ZYB-8), a small quantity of liquid nitrogen inside will be vaporized and pressurized, which force liquid nitrogen through the spout.



Specifications

Model	Unit	ZYB-5	ZYB-8
Part Number	-	20005476	20005477
Height	mm	1050.0	950.0
Weight	kg	3.5	7.4
Drainage Capacity	L/min	≥5	≥8
Operating Frequency	Time/min	30-40	50-60
Operating Way	-	By hand	By foot

Remarks:"ZYB" is the abbreviation of "Auto-boosting Liquid Nitrogen Pump" in Chinese.