



# QINGDAO BAIGONG INDUSTRIAL AND TRADING CO., LTD.

Add: NO. 1038, JINSHUI RD., LICANG DISTRICT, QINGDAO

Tel: 86-532-66662829 Fax: 86-532-80687027 Website: [www.qd-baigong.com](http://www.qd-baigong.com)

## Products Information

### Liquid nitrogen containers/tanks/dewars (storage I)

The series products are of small capacity, which are designed for transferring or transporting biological samples stored by manual work, especially for customers in the mountainous area, featuring portable, less static evaporation loss mass of liquid nitrogen and being economical in usage.

#### Main Characteristics:

- ◆ High-strength aluminum alloy structure, light empty weight
- ◆ Hinged handle (except YDS-5-200) is portable
- ◆ The lockable device can be installed to the container lid upon customers' requirement so as to protect biological samples stored (limit for 30mm, 50mm、80mm calibers)
- ◆ Encoding system is applied on canisters for easy recognition and convenient accessing of samples
- ◆ More than 1-year vacuum quality guarantee is ensured with the multi-layer thermal isolation design

#### Specifications

Model	Unit	YDS-2	YDS-3	YDS-6	YDS-10	YDS-10-80	YDS-15
Capacity	L	2.0	3.0	6.0	10.0	10.0	15.0
Empty Weight	kg	2.2	3.8	5.5	7	7.3	10.1
Full Weight	kg	3.82	6.22	10.35	15.08	15.4	22.22
Neck Diameter	mm	30/35	50	50	50	80	50
Outer Diameter	mm	224	224	285	285	285	345
Height	mm	390	450	480	550	530	650
Static Evaporation Loss Mass	L/d	0.081	0.101	0.105	0.103	0.179	0.097
Static Holding Time $\geq$	Day	20	24	46	78	45	125
Canister Outer Diameter	mm	25	38	38	38	60	38
Canister Height	mm	120	120	120	120	120	120
Number of Canisters: n	Nos	1	1	3~6	3~6	3~6	3~6
Straw Holding Capacity	0.5ml	80	132×n	132×n	132×n	360×n	132×n
	0.25ml	190	298×n	298×n	298×n	846×n	298×n



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## Liquid nitrogen containers/tanks/dewars (storage II)

The series products are of moderate capacity, and the best choices for the customers who will store biological samples or liquid nitrogen indoors for a long period under static environment. It is less static evaporation loss mass of liquid nitrogen and being economical in usage.

### Main Characteristics:

- ◆ High-strength aluminum alloy structure, light empty weight
- ◆ The lockable device can be installed to the container lid upon customer's requirements so as to protect biological samples stored (limit for 50mm、80mm and 125mm calibers)
- ◆ Encoding system is applied on canisters for easy recognition and convenient accessing of samples
- ◆ More than 1 years of vacuum quality guarantee is ensured with the multi-layer thermal isolation design
- ◆ Not suitable for long - distance transportation or frequent pouring.

### Specifications

Model	Unit	YDS-20	YDS-20-80	YDS-20-125	YDS-30	YDS-30-80	YDS-30-125	YDS-30-200
Capacity	L	20.0	20.0	20.0	30.0	30.0	30.0	30.0
Empty Weight	kg	10.6	10.2	10.2	15.6	15.7	15.8	15.9
Full Weight	kg	26.76	26.76	26.76	39.84	39.94	40.04	40.14
Neck Diameter	mm	50	80	125	50	80	125	200
Outer Diameter	mm	345	380	380	455	455	455	455
Height	mm	650	650	650	690	690	690	690
Static Evaporation Loss Mass	L/d	0.111	0.207	0.359	0.10	0.18	0.253	0.527
Static Holding Time $\geq$	d	145	78	45	242	134	96	46
Canister Outer Diameter	mm	38	60	95	38	60	95	168
Canister Height	mm	120	120	120	120	120	120	245
Number of Canisters: n	Nos	3~6	3~6	3~6	3~6	3~6	3~6	1
Straw Holding Capacity	0.5ml	132×n	132×n	132×n	132×n	360×n	854×n	—
	0.25ml	298×n	298×n	298×n	298×n	846×n	1992×n	—



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## Liquid nitrogen containers/tanks/dewars (storage III)

The series products are of large capacity, and also the best choices for the customers who will store biological samples in large capacity under static environment. At the same time, large caliber can meet the requirements of cold processing and cold assembling in the field of scientific research or machine processing.

### Main Characteristics

- ◆ High-strength aluminum alloy structure
- ◆ The lockable device can be installed to the container lid upon customer's requirements so as to protect biological samples stored (limit for 50mm、80mm、and 125mm calibers)
- ◆ Encoding system is applied on canisters for easy recognition and convenient accessing of samples
- ◆ More than 1 years vacuum quality guarantee is ensured with the multi-layer thermal isolation design
- ◆ Not suitable for long-distance transportation or frequent pouring

### Specifications

Model	Unit	YDS-35	YDS-35 -80	YDS-35 -125	YDS-35 -200
Capacity	L	35	35	35	35
Empty Weight	kg	16.2	17	17	17
Full Weight	kg	44.48	45.28	45.28	45.28
Neck Diameter	mm	50	80	125	200
Outer Diameter	mm	455	455	455	455
Height	mm	690	690	690	710
Static Evaporation Loss Mass	L/d	0.107	0.18	0.25	0.524
Static Holding Time $\geq$	d	265	157	113	54
Canister Outer Diameter	mm	38	60	95	168
Canister Height	mm	120	120	120	245
Number of Canisters: n	Nos	3~6	3~6	3~6	1
Straw Holding Capacity	0.5ml	132×n	360×n	854×n	—
	0.25ml	298×n	846×n	1992×n	—



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## Liquid nitrogen containers/tanks/dewars (Transportation I)

The series products are of moderate capacity, which are specially designed for transportation with their special side support or bottom support design, suitable for long distance transportation and reliable.

### Main Characteristics :

- ◆ High-strength aluminum alloy structure, light empty weight
- ◆ The lockable device can be installed to the container lid upon customer's requirement so as to protect biological samples stored (limit for 50mm、80mm and 125mm calibers)
- ◆ Encoding system is applied on canisters for easy recognition and convenient accessing of samples
- ◆ More than 1 years vacuum quality guarantee is ensured with the multi-layer thermal isolation design

### Specifications

Model	Unit	YDS-10B	YDS-15B	YDS-20B	YDS-30B	YDS-30B-80	YDS-35B	YDS-35B-80	YDS-35B-125
Capacity	L	10.0	15.0	20.0	30	30	35	35	35
Empty Weight	kg	7	10.3	10.6	15.2	15.3	15.4	15.5	15.7
Full Weight	kg	15.08	22.42	26.76	39.44	39.54	43.68	43.78	43.98
Neck Diameter	mm	50	50	50	50	80	50	80	125
Outer Diameter	mm	285	345	345	455	455	455	455	455
Height	mm	560	650	650	690	690	690	690	690
Static Evaporation Loss Mass	L/d	0.161	0.13	0.151	0.17	0.23	0.182	0.257	0.333
Static Holding Time $\geq$	d	50	93	107	142	105	155	110	85
Canister Outer Diameter	mm	38	38	38	38	60	38	60	95
Canister Height	mm	120	120	120	120	120	120	120	120
Number of Canisters:n	Nos	3~6	3~6	3~6	3~6	3~6	3~6	3~6	3~6
Straw Holding Capacity	0.5ml	132×n	132×n	132×n	132×n	360×n	132×n	360×n	854×n
	0.25ml	298×n	298×n	298×n	298×n	846×n	298×n	846×n	1992×n



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## Liquid nitrogen containers/tanks/dewars (Transportation II)

The series products are of big capacity, which are specially designed for transportation with their special side support or bottom support design, suitable for long distance transportation and reliable.

### Main characteristics:

- ◆ High-strength aluminum alloy structure
- ◆ The outer shell of YDS-100B-80, YDS-100B-200 employs the technology of metal spinning, with few welding lines and nice appearance.
- ◆ The lockable can be installed to the container lid upon customer's requirement (limit for 50mm、80mm and 125mm calibers)
- ◆ Encoding system is applied on canisters for easy recognition and convenient accessing of samples
- ◆ More than 1 years vacuum quality guarantee is ensured with the multi-layer thermal isolation design

### Specifications

Model	Unit	YDS-50B	YDS-50B -80	YDS-50B -125	YDS-50B -200	YDS-100B -125	YDS-100B -200
Capacity	L	50.0	50.0	50.0	50.0	100.0	100.0
Empty Weight	kg	18.4	18.6	18.8	19.4	34	35.6
Full Weight	kg	58.8	59	59.2	59.8	114.5	116.3
Neck Diameter	mm	50	80	125	200	125	200
Outer Diameter	mm	455	455	455	455	558	558
Height	mm	860	860	860	860	1030	1030
Static Evaporation Loss Mass	L/d	0.22	0.289	0.35	0.673	0.404	0.603
Static Holding Time $\geq$	d	183	140	115	60	200	134
Canister Outer Diameter	mm	38	60	95	168	95	168
Canister Height	Nos	120	120	120	245	120	245
Number of Canisters: n	0.5ml	3~6	3~6	3~6	1	3~6	1
Straw Holding Capacity	0.5ml	132×n	360×n	854×n	—	854xn	—
	0.25ml	298×n	846×n	1992×n	—	1992xn	—