



**LABS
Series**

CST
**Cryo-Science
Technologies**



LABS Series

The low profile LABS Series is designed to provide near LN₂ Temperatures at the top of the Inventory System and all racks are in vapor. The LABS can also be used in full liquid storage. The LABS Series features the intuitive Kryos Control.



Taylor-Wharton





Features

- Near LN₂ temperature at top rack
- Turntable pivot – easier movement
- Easy-Grip aluminum turn-table
- Efficient inventory design-maximized for 100 cell racks
- Hinged & lockable lid with sealed coating
- Flat table-top – convenient work surface
- Integrated single stainless steel folding step. Optional double step on LABS80K
- Kryos Control with battery backup option



Models		20K	38K	40K	80K	94KX
Dimensions						
External Operating Height (Top of Step to Lid Opening)	- In. mm.	42 1067	44 1118	42 1067	42 1067	40 1016
Step Height (1)	- In. - mm.	11 279	11.5 292	11 279	11/17 279	22 559
Height, Floor to Opening	- In. - mm.	53 1346	56 1422	53 1346	53 1346	62 1575
Usable Height Internal	- In. - mm.	30 762	30 762	30 762	30 762	35.3 897
Outside Diameter	- In. - mm.	34 864	42 1067	45 1143	59.5 1511	59.5 1511
Internal Working Diameter	- In. - mm.	29.5 750	37.8 959	40.5 1029	55 1397	55 1397
Neck Opening	- In. - mm.	13 330	18 457	18 457	24.5 622	24.5 622
Capacity						
Total LN ₂ Capacity	- L.	407	626	606	1350	1630
LN ₂ under Turntable	- L.	46	72	76	150	300
Power Supply (2)	- VAC	16.5	16.5	16.5	16.5	16.5
Weight Empty	- lb. - kg.	650 295	930 422	920 417	1550 703	1700 771
Maximum Gross Weight (3)	- lb. - kg.	1375 624	2050 930	2000 907	3956 1794	4600 2086
Inventory Control System Specifications						
No. 100/81 Cell Racks		14	26	30	58	60
No. Shelves/Rack		13	13	13	13	15
No. 25 Cell Racks		4	12	8	12	12
No. Shelves/Rack		13	13	13	13	15
Vial Capacity, 2 ml (4)		19500	37700	41600	79300	94500
Bag 25ml (7 Level Rack) (5)		1624	2688	3108	5999	6856
Bag 4R9951 – 50ml (5 Level Rack) (5)		924	1582	1876	3381	3864
Bag 4R9953 – 250ml (5 Level Rack) (6)		500	900	990	1920	2304
Bag 4R9955 – 500ml (5 Level Rack) (6)		420	690	830	1610	1932



(1) Model LABS94KX has an independent two stage stainless step. Optional two stage step (17" high) on LABS80K.

(2) This is the power supply for the standard battery backup version. The Kryos version (No Battery) uses a 24 VAC power supply. For power outlets other than 110 VAC contact Taylor-Wharton Customer Service.

(3) Includes the empty weight and total LN₂ capacity weight.

(4) 2 ml vial size; 12.5 mm O.D. internal thread.

(5) Model LABS94KX, 8 Level Rack

(6) Model LABS94KX, 6 Level Rack



K
Series

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K Series

The K Series cryogenic systems offer reliable liquid nitrogen storage with controllable temperatures between $(-100^{\circ}\text{C}$ to $-196^{\circ}\text{C})$. Combined with the safety of the automatic alarms and the easy access to stored product, the unique Temperature Gradient Suppression System greatly improves vapor phase temperature storage and recovery.



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CST *Cryo-Science Technologies* **Controllers**



The Kryos Controller

The Kryos Controller is Fully Automatic and is used on both the LABS and K Series cryogenic freezers. This Controller is used for both Liquid and Vapor Phase storage. The Kryos includes a full complement of alarms that are user selectable from the Control Panel. Fifteen years of events are recorded on the Kryos, including Temperature, Alarms and System Events.



The Kryos has on screen diagnostics and the manual is not required to use the intuitive Controller. Dependable Thermistors and a Thermocouple provide data to control the system.

A unique Freezeguard Sensor, actively controls and protect against potential overfills. The Lid Switch adds the user friendly AutoDefog feature, Quick Chill and Lid Open alarm.



A Battery Back-Up option is available that will keep the system fully operating in the event of a power failure and 4-20ma output option provides a separate Temperature Alarm. Two-Way communication is available using Cryocom.

The AutoTend-TL Controller

The AutoTend Controller offers simplicity in form and function. This Control is available on both the K and the LS Series.

Automatic liquid level control with Temperature readout and a limited number of alarms complement this economical solution for your Cryostorage requirements.



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Controllers

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Features	Kryos	AutoTend
User-Friendly Control Panel	X	X
Automatic Fill	X	X
Manual Start Fill/Stop Fill	X	X
High Temp Alarm	X	X
Extra High Level Alarm (1)	X	X
Extra Low Level Alarm (1)	X	X
Remote Alarm	X	X
Sensor Fault	X	X
Audible & Visual Alarm Indication	X	X
Alarm Mute/Remote Alarm Test Circuit	X	X
Low LN ₂ Supply Alarm	X	X
24 Vac Power Supply with Transformer UL/CSA Certified (2)	X	X
Vacuum Fluorescent Display	X	
Thermistor-Based Level Control	X	X
Lid Open Alarm	X	
Security Password Protection	X	
Convenient RS232 Data Port	X	X
Computer/Recorder/Printer/Compatible	X	X
Temperature Control	X	
Temperature Monitoring	X	X
15 Year Data Logger	X	
Freezer Guard & Splash Guard Protection	X	
Auto Defog	X	
Quick Chill	X	
On-Screen Diagnostics	X	
Two-Way Communications Capable	X	X
24 Month Limited Warranty	X	X

(1) Available on AutoTend Control with 4 Thermistor Version.
(2) 16.5 VAC on Kryos with battery backup.



Features

- Vapor or liquid storage
- Intuitive Touch Controls
- Kryos (battery option) or AutoTend
- Stainless steel vacuum vessel
- Modular design
- Durable powder coated cabinet
- Caster mounted
- Superior vacuum performance



Models	3K	10K	24K	38K
Static Holding Time days (1)	19	33	52	74
Working Time days (2)	12	N/A	N/A	N/A
Evaporation Rate (1) liters/days	2.5	5.0	7.0	8.0
Liquid Nitrogen Capacity - liters	48	165	365	590
Weight Empty	- lbs. 42.0 - kg. 19.1	245 111	405 184	565 256
Weight Full	- lbs. 125 - kg. 56.7	537 243	1046 474	1616 733
Neck Diameter	- In. 14.0 - mm. 356	21.0 533	31.0 787	39.0 991
Overall Height	- In. 29.7 - mm. 754	44.0 1118	44.0 1118	49.0 1245
Overall Dimensions	- In. 15.4 - mm. 391	23.1x30.5(3) 587x775	34.0x38.5(3) 864x965	42.0 (4) 1067
Usable height - Internal	- In. 19.2 - mm. 488	29.0 737	29.0 737	29.0 737
Internal Diameter	- In. 14.0 - mm. 356	21.0 (5) 533	31.0 (5) 787	39.0 (5) 991
Capacity	3K	10K	24K	38K
2 ml Plastic Vials (6)	3024	10400	24050	38350
Number of 100/81 Cell Racks	N/A	7	17	28
Number of 25 Cell Racks	N/A	4	6	6
Number of shelves	N/A	13	13	13
Box Size - shape	Triangle	Square	Square	
Size In.	6.75x6.87 (7)	5x5 (8)	3x3 (8)	
Size mm.	171x175	127x127	76x76	
Vials per box	56	100	25	
Blood Bag Capacity				
Fenwal #4R5461 - 9953	N/A	235	535	870
Fenwal #4R5462 - 9955	N/A	185	475	680
Fenwal #4R5451 - 9951	N/A	343	805	1407
Stericon #RCM91D	N/A	235	360	560
Chartmed #7005-2	N/A	105	216	536
Gambro #DF700	N/A	88	200	320
Gambro #DF200	N/A	192	496	496
0.50cc straws, 10 per goblet, 2-13mm goblets per can, Two tier turn-table inventory control system	N/A	44000	59400	114000
Roller Base	R018-8C00	N/A	N/A	N/A

(1) Evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history, and manufacturing tolerances.

(2) Work time is an arbitrary, reference-only value to estimate container performance under the actual operating conditions.

(3) Maximum required clearance (with lid open) for the 10K is 69.0 (1753 mm); 24K is 76.0 in. (1930mm). Depth with lid open for 10K is 34.0 (864 mm); 24K is 48.5 (1232 mm)

(4) Maximum depth 55.0 in (1397mm). Maximum height 90.0 in. (2286 mm) with lid open.

(5) Temperature Gradient Suppression System reduces internal diameter by approx. 1/4 in. (6.4 mm)

(6) 2.0 ml vial size: 12.5 mm O.D. internal thread (7) 6 racks, 9 levels, 2" shelf height

(8) The 10K/24K/38K containers utilize both the 5 in. x 5 in. (127 mm x 127 mm) 100/81 cell box and the 3 in. x 3 in. (76 mm x 76 mm) 25 cell box



LS Series

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LS Series

The Taylor-Wharton Laboratory Systems (LS) are uniquely designed for large vial capacity in convenient box-type storage racks. They provide maximum holding times. This means lower per vial operating costs and fewer refills. The new LS6000 with the AutoTend Controller with temperature read out provides automatic filling and alarm features.



Taylor-Wharton





Features

- LS 6000 available with AutoTend Controller with temperature readout
- LS6000-AT, vapor phase, -190°C at top of rack
- New Rugged Construction – ribbed high strength aluminum body, magniformed necktube design, and more durable paint system
- Convenient Storage Systems – rack index location ring and internal location spider, computer compatible box storage is ideal for simple inventory management
- Superior vacuum performance with super insulation provides maximum holding times
- Security – Accessory low-level alarm is available with remote monitor capability
- Lockable lids
- Mobility – Roller bases are available



Models		LS750	LS3000	LS4800	LS6000	LS6000AT
Static Holding Time days (1)		130	106	153	194	194
Working Time days (2)		80	66	96	120	120
Evaporation Rate (1) liters/days		0.27	0.76	0.85	0.84	0.84
Liquid Nitrogen Capacity - liters		35	81	130	165	165
Weight Empty	- lbs.	39	70	90	121	121
	- kg.	17.7	31.8	40.9	55.0	55.0
Weight Full (3)	- lbs.	101.3	214.2	312.4	410.0	410.0
	- kg.	46.0	97.4	146.1	186.4	186.4
Neck Diameter	- in.	4.7	8.5	8.5	8.5	8.5
	- mm.	119	216	216	216	216
Overall Height	- in.	26.8	28.8	35.1	39.0	39.0
	- mm.	681	731	892	991	991
Overall Diameter	- in.	18.8	26.9	26.9	26.9	26.9
	- mm.	478	683	683	683	683
Number of Racks		6	6	6	6	6
Number of Shelves/Rack		5	5	8	10	10
2 ml vial capacity (4)		750	3000	4800	6000	6000
Box Size - Shape Size in. Size mm. Vials per box (5)		Square	Square	Square	Square	Square
		3.0 x 3.0	5.0 x 5.0	5.0 x 5.0	5.0 x 5.0	5.0 x 5.0
		76x76	127x127	127x127	127x127	127x127
		25	100	100	100	100
Roller Base		R033-8C00	R05K-8C00	R05K-8C00	R05K-8C00	R05K-8C00
Cryo-Sentry Level Alarm		R036-8C30	RS30-8C40	R05K-8C26	RS60-8C40	N/A
Auto Tend Controller Kit		N/A	N/A	N/A	RS60-8C86	N/A



(1) Evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history, and manufacturing tolerances.
(2) Work time is an arbitrary, reference-only value to estimate container performance under the actual operating conditions.
(3) Without canisters or racks.
(4) 2.0 ml vial size: 12.5 mm O.D. internal thread
(5) 81 cell boxes available



HC Series

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HC Series

The High Capacity (HC) series of refrigerators are designed for storing large quantities of a variety of materials at cryogenic temperatures. Temperatures generally range between -196°C (-320°F) at the liquid surface, and -190°C (-310°F) at the cannister top.



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Features

- Large storage capacity
- New Rugged Construction – ribbed high strength aluminum body, magniformed necktube design, and more durable paint
- Versatile storage system – convenient canister numbered index location ring and tapered internal spider
- Superior vacuum performance with super insulation provides maximum holding times
- Security – Optional low-level alarm is available with remote monitor and lockable lid
- Mobility – Roller bases are available for all models



Models		HCL12	HC20	HC34	HC35	VHC35
Static Holding Time days (1)		60	87	200	130	130
Working Time days (2)		37	54	125	81	81
Evaporation Rate (1) liters/days		0.20	0.23	0.17	0.27	0.27
Liquid Nitrogen Capacity - liters		12	20	34	35	35
Weight Empty	- lbs.	21.6	26.4	35.38	39	37.9
	- kg.	9.8	12.0	16.1	17.7	17.2
Weight Full (3)	- lbs.	43.0	62.0	95.9	101.3	100.2
	- kg.	19.5	28.2	43.6	46.0	45.5
Neck Diameter	- in.	3.6	3.6	3.6	4.7	4.7
	- mm.	91	91	91	119	119
Overall Height	- in.	19.0	24.25	26.31	26.8	26.8
	- mm.	482	615	668	681	681
Overall Diameter	- in.	15.6	15.6	18.8	18.8	18.8
	- mm.	396	396	478	478	478
Number of Canisters		6	6	6	10	6 (4)
Canister Dimensions	- in.	2.75x5	2.75x11	2.75x11	2.64x11	3.7x11
	- mm.	70x127	70x279	70x279	67x279	94x279
Number of 1.2 ml & 2.0 ml vials (5/cane)		NA	570	570	850	1050
Number of 1.2 ml & 2.0 ml vials (6/cane)		NA	684	684	1020	1260
Number of 1/2 cc straws - (10 per cane)		NA	1850	1850	2800	3000
Number of 1/2 cc straws - Bulk (1 level)		2940	NA	NA	NA	NA
Number of 1/2 cc straws - Bulk (2 levels)		NA	5880	5880	9800	9900
7th Canister		NA	NA	NA	NA	R036-9C27
Roller Base		R018-8C00	R018-8C00	R033-8C00	R033-8C00	R033-8C00
Cryo-Sentry Level Alarm		N/A	R034-8C15	R034-8C15	R037-8C15	R036-8C30

(1) Evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history, and manufacturing tolerances.

(2) Work time is an arbitrary, reference-only value to estimate container performance under the actual operating conditions.

(3) Without canisters or racks.

(4) Optional 7th canister available to increase storage capacity by 23%.



XT Series

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XT Series

The Extended Time Series (XT) of cryogenic refrigerators are designed for long-term storage of a variety of materials at cryogenic temperatures.

This series also offers low profile models (XTL), with 5" canisters.



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Features

- New Rugged Construction – ribbed high strength aluminum body, magnifomed necktube design, and more durable paint
- Versatile storage system – convenient canister numbered index location ring and tapered internal spider
- Superior vacuum performance with super insulation provides maximum holding times
- Security – Accessory low-level alarm is available with remote monitor capability
- Lockable lids
- Mobility – Roller bases are available for some models



Models		XTL3	XTL8	XT10	XT20	XT34
Static Holding Time days (1)		27	80	100	230	340
Working Time days (2)		17	50	62	140	212
Evaporation Rate (1) liters/days		0.11	0.10	0.10	0.09	0.10
Liquid Nitrogen Capacity - liters		3	8	10	20.7	34
Weight Empty	- lbs.	7.2	19.6	16.5	26	34.75
	- kg.	3.3	8.9	7.5	11.8	15.8
Weight Full (3)	- lbs.	12.5	33.8	34.3	62.8	95.3
	- kg.	5.7	15.4	15.6	28.6	43.3
Neck Diameter	- in.	2.0	2.0	2.0	2.0	2.0
	- mm.	51	51	51	51	51
Overall Height	- in.	17.2	19	23.8	25.8	26.3
	- mm.	437	483	597	655	668
Overall Diameter	- in.	7.6	15.6	11.4	15.6	18.8
	- mm.	193	396	290	396	478
Number of Canisters		6	6	6	6	6
Canister Dimensions (4)	- in.	1.5x5	1.5x5	1.5x11	1.5x11	1.5x11
	- mm.	38x127	38x127	38x279	38x279	38x279
Number of 1.2 ml & 2.0 ml vials (5/cane)		NA	NA	150	150	150
Number of 1.2 ml & 2.0 ml vials (6/cane)		NA	NA	180	180	180
Number of 1/2 cc straws (10/cane)		NA	NA	540	540	540
Number of 1/2 cc straws - Bulk (1 level)		750	750	N/A	N/A	N/A
Number of 1/2 cc straws - Bulk (2 levels)		NA	NA	1500	1500	1500
Roller Base		N/A	R018-8C00	N/A	R018-8C00	R033-8C00
Low-Level Alarm		N/A	N/A	N/A	R033-8C15	R033-8C15

(1) Evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history, and manufacturing tolerances.

(2) Work time is an arbitrary, reference-only value to estimate container performance under the actual operating conditions.

(3) Without canisters.

(4) Canisters also available in 5.0 in. (127 mm) height for 10XT, 20XT and 34XT.



CX & CXR Series

CST

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CX & CXR Series

Cryo Express (CX) "dry shippers" are designed to safely transport a variety of materials at cryogenic temperatures. The unique absorbent material prevents a liquid spill if the unit is tipped over. Storage temperature inside the shipping cavity remains at approximately -190°C until the liquid nitrogen evaporates from the absorbent material.



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Features

- Advanced Concept Absorbent enables faster charging
- Complies with IATA regulations
- New rugged construction includes – dependable, stronger necktube design, ribbed high strength aluminum body, and durable paint system
- Superior vacuum performance with super insulation provides maximum holding times
- Optional storage accessories include a five shelf rack box system and Blood Bag rack for the CXR500
- Temperature loggers are available for all models
- Lockable lids



*CXR Exclusive Feature: Removable absorption material

Models		CX100	CXR100	CXR500
Static Holding Time days (1)		22	16	11
Working Time days (2)		17	11	7
Evaporation Rate (1) liters/days		0.19	0.23	0.64
Liquid Nitrogen Adsorbed - liters		4.1	3.7	7
Weight Empty	- lbs.	11.7	11.7	30
	- kg.	5.3	5.3	13.6
Weight Full (3)	- lbs.	19	18.3	42.5
	- kg.	8.6	8.3	19.3
Neck Diameter	- in.	2.78	3.58	8.5
	- mm.	71	91	216
Overall Height	- in.	18.4	19.4	26.9
	- mm.	467	493	683
Overall Diameter	- in.	9.2	9.2	15.5
	- mm.	234	234	391
Number of Canisters		1	1	N/A
Canister Dimensions	- in.	2.64x11.0	2.64x11.0	N/A
	- mm.	67x2.79	67x2.79	N/A
Number of 1.2 ml & 2.0 ml vials (5/cane) (4)		85	85	500
Number of 1.2 ml & 2.0 ml vials (6/cane) (4)		102	102	500
Number of 1/2 straws (10/cane)		280	280	N/A
Number of 1/2 cc straws - Bulk (2 levels)		980	980	N/A
Padded carton		3701-9277	N/A	N/A
5 shelf rack		N/A	N/A	RS30-9C44
Poly Carb 100 box		N/A	N/A	R24K-9C44
Shipping Case		CX10-8C00	CX10-8C00	CP19-8C00



(1) Evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history, and manufacturing tolerances.
 (2) Work time is an arbitrary, reference-only value to estimate container performance under the actual operating conditions.
 (3) Without canisters or racks
 (4) CXR500 vials are stored in 100 cell boxes



LD Series

CST

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LD Series

The LD Series of cryogenic dewars are designed for storing and dispensing small amounts of liquid nitrogen. The series includes a beaker style dewar with a wide mouth (LD5) and pitcher-style model for easy pouring (LD4).



Taylor-Wharton





Features

- High performance modern construction and advanced insulation materials assure high thermal efficiency
- New rugged construction, ribbed high strength aluminum body, magniformed necktube design, and more durable paint system
- Easy operation lightweight snap-on cap and necktube assures tight closure and easy access, convenient larger handles
- Superior vacuum performance with super insulation provides maximum holding times
- Optional equipment includes liquid withdrawal device, tipping stand, dippers and roller base (for some models)



Models	LD4	LD5	LD10	LD25	Classic 25	LD35	LD50	
Static Holding Time days (1)	10	6	45	109	119	152	122	
Evaporation Rate (1) liters/days	0.40	0.77	0.22	0.23	0.21	0.23	0.41	
Liquid Nitrogen Capacity - liters	4	5	10	25	25	35	50	
Weight Empty	- lbs.	6.6	6.9	14.5	23.2	19	35.1	38.7
	- kg.	3.0	3.1	6.6	10.5	8.6	16.0	17.6
Weight Full	- lbs.	13.7	15.8	32.3	67.7	63.5	97.4	127.7
	- kg.	6.2	7.2	14.7	30.8	28.9	44.3	58.0
Neck Diameter	- in.	1.2	5.6	2.0	2.5	2.0	2.5	2.5
	- mm.	30	142	51	64	51	64	64
Overall Height	- in.	17.0	17.5	23.5	25.8	22.9	26.3	32.4
	- mm.	432	445	597	655	582	668	823
Overall Diameter	- in.	7.6	7.6	11.4	15.6	15.5	18.8	18.8
	- mm.	193	193	290	396	394	475	475
Liquid Withdrawal Device P/N	N/A	N/A	N/A	D050-8C00	N/A	D050-8C00	D050-8C00	
Roller Base P/N	N/A	N/A	N/A	R018-8C00	D024-8C02	RO33-8C00	R033-8C00	
Tipping Stand P/N	N/A	N/A	N/A	D025-8C00	N/A	N/A	N/A	
Dipper P/N	N/A	R018-8C50	R018-8C50	R018-8C50	R018-8C50	R018-8C50	R018-8C50	

(1) Evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history, and manufacturing tolerances.



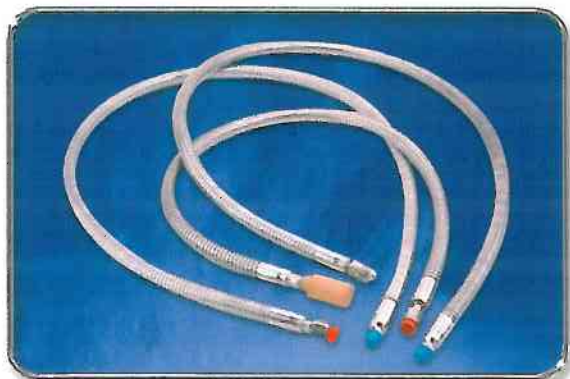
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Accessories



Liquid Cylinders

T-W Liquid Cylinders are used to supply and store liquid nitrogen with capacities up to 240 liters. Mini bulk and bulk options are available.



Transfer Hoses

Transfer hoses are constructed of a flexible stainless steel suitable for the transfer of cryogenic fluids and are available in 4 ft. (1.2 m) or 6 ft. (1.8 m) lengths. Hoses are fitted with a 3/8 in. NPT male fitting and a CGA295 female fitting.

4' – CGA295 to 3/8" NPTP/N 1700-9C65

6' – CGA295 to 3/8" NPTP/N 1600-9C66



Cryogenic Phase Separators

Designed to minimize hazardous splashing and vaporization, phase separators are available in three different sizes to accommodate transferring liquids into various open containers. The two larger phase separators are designed to fit the 3/8 in. NPT end of Taylor-Wharton transfer hoses.

2 3/4" x 1 3/8 OD, 3/8" – NPTP/N 1193-8C80

1 1/4" x 1 OD, 3/8" – NPTP/N 1193-8C82

1 1/2" x 1/8" – NPTP/N 1193-8C83



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Accessories

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Selangor Darul Ehsan
60.3.5191.3003

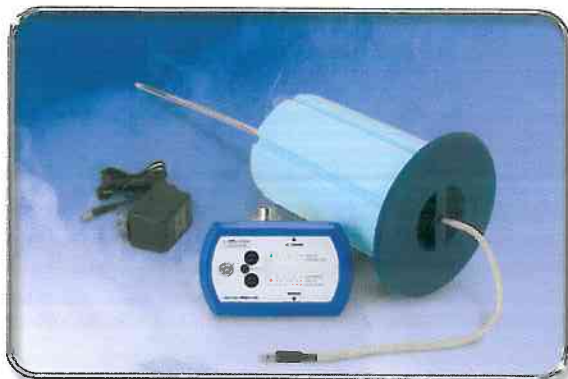


Dippers and Measuring Rods

Safe and convenient LN₂ dippers available. The low conducting measuring rod will clearly show the LN₂ level of a dewar in inches and centimeters.

Dipper P/N R018-8C50

Measuring Rod P/N R033-8C11



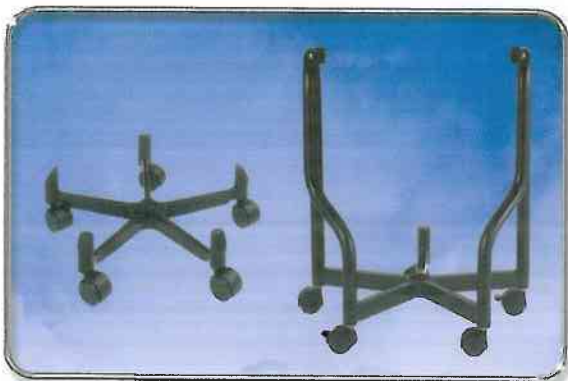
Low-Liquid Alarm

To protect valuable biological samples this alarm will sound promptly to alert you when more liquid nitrogen is needed. It is best suited for the infrequently used refrigerators and is recommended for stored product protection. It is equipped for battery operation. For use with XT20, XT34, HC20, HC34, HC35, VHC35, LS750, LS3000, LS4800 and LS6000.



Liquid Withdrawal Device

The Liquid Withdrawal Device enables the LD25, LD35 or the LD50 to conveniently pressure transfer liquid nitrogen at rates up to 8 liters per minute. The low [10 psig (0.7 bar/69kPa)] assures safe dispensing through a phase separator or an accessory transfer hose. A smaller phase separator is available.



Roller Base & Tipping Stand

The sturdy, aluminum, five-wheel roller base enables movement of refrigerators and dewars easily and safely. Choose from three sizes to fit either the 18.8 in (478 mm) dia., 15.6 in. (396 mm) dia., or the 26.7 in (678 mm) dia. units. The tipping provides mobility and assist in transferring liquid nitrogen for the LD25 dewar. Both include lockable casters.