



# International Cryogenics, Inc.

*Innovators in cryogenic dewars and transfer equipment*

## LIQUID NITROGEN REFRIGERATORS

- 3.6 Liter to 50 Liter Capacity
- Locking tab
- Rugged construction
- 5-year vacuum warranty



### Features

Designed for the safe transport and storage of biological samples.

- **Increased capacity**
- **Lightweight aluminum construction**
- **Convenient specimen loading / unloading**
- **Greater necktube strength**
- **Greater efficiency**
- **Transparent lid, most models**

*See our Accessories page for details.*

### Options

- Low-level alarm
- Square racks for (RX) models
- Alternate canister sizes
- Measuring stick

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# REFRIGERATOR SPECIFICATIONS

For complete details on available accessories please see our Refrigerator Accessories page.

Model	IC-3R	IC-6R	IC-10R	IC-20R	IC-20RX	ARCTIC IC-22R	ARCTIC IC-22RX	IC-35R	IC-35RX	IC-38RX/6	IC-38RX/10	IC-50RX
LN2 Capacity, Liters	3.6	6	10	20	20	22	22	35	35	38	38	50
†Static Hold Time, Days	25	30	100	200	105	146	146	269	184	135	135	125
†Evap. Rate, Liters/day	.14	.2	.10	.10	.19	.15	.15	.13	.19	.28	.28	.4
††-Working Time Days / Weeks	14/2	18/3	62/9	126/18	65/9	112/16	112/16	168/24	112/16	84/12	84/12	78/11
<b>Dimensions</b>												
<u>Necktube</u> in. mm	2.25 57	2.25 57	2.25 57	2.25 57	3.75 95	2.62 66	2.62 66	2.25 57	3.75 95	5.0 127	5.0 127	3.75 95
<u>Outside Diameter</u> in. mm	8.75 222	8.75 222	11.25 286	15 381	15 381	15 381	15 381	18.5 470	18.5 470	18.5 470	18.5 470	18.5 470
<u>Height</u> in. mm	16.50 419	18.1 460	23 584	25.5 647	25.5 647	26.25 667	26.25 667	26 660	26 660	27.5 698	27.5 698	30.75 781
<b>Weight</b>												
<u>Empty</u> lb kg	7 3.5	7 3.5	12 5.5	24 11	24 11	22 10	22 10	31 14.5	31 14.5	31 14.5	31 14.5	38 17.5
<u>Full</u> lb kg	14 6.5	18 8.5	33 15	60 27.5	60 27.5	62 28	62 28	94 43	94 43	102 46.5	102 46.5	128 58.5
<b>Canisters</b>												
<u>Length, in.</u> mm	5 127	5 127	11 279	11 279	11 279	11 279	11 279	11 279	11 279	11 279	11 279	11 279
<u>Inside Diameter</u> in. mm	1.75 44	1.75 44	1.75 44	1.75 44	2.96 75	2.0 51	2.0 51	1.75 44	2.96 75	4.1 104	2.96 75	2.96 75
Number	6	6	6	6	6	3	6	6	6	6	10	6
<b>Capacity</b>												
.5 cc Straws on canes	330	330	660	660	2340	480	960	660	2340	4680	3900	2340
5cc Straws Bulk	990	990	1800	1800	5820	1356	2712	1800	5820	10,320	9700	5820
Vial 1.2 ml/2.0 ml	--	--	180	180	660	205	410	180	660	1320	1100	660

†Evaporation Rate and Hold time are nominal.

††Working Time is an arbitrary reference, to estimate container performance under normal operating conditions.

Straw capacity on canes: 10 Straws/cane for 11" canisters,  
5 Straws/cane for 5" canisters

Bulk: Two level goblets for 11"; one level for 5"

Vial capacity on canes: 5 vials/cane

Square racks, available for RX models



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