

# ARCTIC SERIES

## Small Freezer

---



### Rugged, yet durable storage

Designed for high-capacity storage of biological samples. The Arctic 47-6 and Arctic 47-10 models double up as a rugged vapour shipper for large quantities of samples at extremely low temperatures. Once on site these two models can be filled with LN<sub>2</sub> and converted to a high-capacity freezer. The vessels range in size from 10 to 50 litre capacity and have a static hold time from 100 to 269 days. The vessels come equipped with canisters for cryopreservation of biological specimens.



Liquid



Lightweight



Storage Sizes



Material

# Technical Specifications

ARCTIC MODELS (CV-ARCTIC)	10	20	20X	22	35	35X	38-6	38-10	47-6	47-10	50X
LN <sub>2</sub> Capacity – Litres	10	20	20	22	35	35	38	38	47	47	50
*Hold Time – Days	100	200	105	146	269	184	135	135	174	174	138
Evaporation Rate – Litres/days	0.1	0.1	0.19	0.15	0.13	0.19	0.28	0.28	0.27	0.27	0.21
**Working Time – Days/Weeks	62/9	126/18	65/9	112/16	168/24	112/16	84/12	84/12	104/14	104/14	142/20
Canister Length (mm)	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4
Canister Inside Diameter (mm)	41.9	41.9	71	51	41.9	71	102	71	102	71	71
Canister Number	6	6	6	6	6	6	6	6	6	10	6
.5 cc Straws – On Canes	660	660	2100	960	660	2100	3900+	3200	3900+	3200	2100
.5 cc Straws – Bulk	879	879	3300	2100	879	3300	6200	5000	6200	5000	3300
Vials, 2 ml	150	150	630	410	150	630	1200+	180	1200+	1320	630
Necktube Diameter (mm)	57	57	95	66	57	95	127	127	127	127	95
Outside Diameter (mm)	286	381	381	381	470	470	470	470	470	470	470
Height (mm)	584	647	647	667	660	660	698	698	749	749	781
Weight – Empty (kg)	5.5	11	11	10	14	14	14.5	14.5	15	15	17
Weight – Full (kg)	15	27.5	27.5	28	43	43	46.5	46.5	52	52	58

## FEATURES

- Increased Capacity
- Lightweight Aluminium Construction
- Convenient specimen loading / unloading
- Great Necktube Strength
- Greater efficiency / Low LN<sub>2</sub> Loss

## OPTIONS

- Low-level Alarm
- Square Racks Available
- Alternative Canister Sizes
- Measuring Stick
- Roller Base
- Centre Canister
- 10 Litre to 50 Litre Capacity
- Lockable Lid / Insert
- Rugged Construction
- 5-Year Vacuum Warranty

## Contact us

**Froilabo**  
Tel: +33 478 047 575  
export@froilabo.com

## Notes

- \* Evaporation rate and hold time are nominal.
- \*\* Working time is an arbitrary reference, to estimate container performance under normal operating conditions
- (1) Vial capacity on canes: 5 vials/cane
- (2) Square racks available