



HC Series

**High-Capacity Cryogenic
Small Freezers**

TW 12HCL

LN₂ HIGH-CAPACITY SMALL FREEZER



For long-term storage of large quantities at cryogenic temperatures.



FEATURES

- Rugged ribbed high-strength aluminum body, magneformed necktube design, and more durable paint
- Numbered index ring and tapered internal canister locator
- Superior vacuum performance with super insulation for maximum holding times
- Lockable lid

SPECIFICATIONS	12HCL
LN ₂ Capacity (L)	12
Static Hold Time (Days)	60
Evap. Rate (Liters/Day)	0.2
DIMENSIONS	
Necktube (in/mm)	3.6 / 9.3
Overall Dia. (in/mm)	15.6/39.6
Height (in/mm)	19 / 48.3
WEIGHT	
Empty (lb/kg)	21.6 / 9.8
Full Weight (lbs/kg)	43 / 19.5
CAPACITY	
Number of Canisters	6
Canister Dimensions (in) (mm)	2.75 x 11 7 x 28
Number of .5 cc Straws – Bulk (1 Level)	2940
Number of .25 cc Straws – Bulk (1 Level)	6060
Number of 1.2 & 2.0 ml Vials	N/A



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TW 20HC

LN₂ HIGH-CAPACITY SMALL FREEZER



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FEATURES

- Rugged ribbed high-strength aluminum body, magneformed necktube design, and more durable paint
- Numbered index ring and tapered internal canister locator
- Superior vacuum performance with super insulation for maximum holding times
- Lockable lid

SPECIFICATIONS	20HC
LN ₂ Capacity (L)	20
Static Hold Time (Days)	87
Evap. Rate (Liters/Day)	0.23
DIMENSIONS	
Necktube (in/mm)	3.6 / 9.3
Overall Dia. (in/mm)	15.6/39.6
Height (in/mm)	24.25 / 61.6
WEIGHT	
Empty (lb/kg)	26.4 / 12
Full Weight (lb/kg)	62 / 28.1
CAPACITY	
Number of Canisters	6
Canister Dimensions (in) (mm)	2.75 x 11 7 x 28
1.2ml & 2.0 ml vials (5/cane)	570
1.2ml & 2.0 ml vials (6/cane)	684
.5 cc Straws (10/cane)	1920
.5 cc Straws- Bulk (2 Levels)	4800
.25 cc Straws (28/cane)	5376
.25 cc Straws- Bulk (2 Levels) in Goblets	10740



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TW 34HC

LN₂ HIGH-CAPACITY SMALL FREEZER

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FEATURES

- Rugged ribbed high-strength aluminum body, magneformed necktube design, and more durable paint
- Numbered index ring and tapered internal canister locator
- Superior vacuum performance with super insulation for maximum holding times
- Lockable lid

SPECIFICATIONS	34HC
LN ₂ Capacity (L)	34
Static Hold Time (Days)	200
Evap. Rate (Liters/Day)	0.17
DIMENSIONS	
Necktube (in/mm)	3.6 / 9.3
Overall Dia. (in/mm)	18.8 / 47.8
Height (in/mm)	26.3 / 66.8
WEIGHT	
Empty (lb/kg)	35.38 / 16
Full Weight (lb/kg)	95.9 / 43.5
CAPACITY	
Number of Canisters	6
Canister Dimensions (in) (mm)	2.75 x 11 7 x 28
1.2ml & 2.0 ml vials (5/cane)	570
1.2ml & 2.0 ml vials (6/cane)	684
.5 cc Straws (10/cane)	1920
.5 cc Straws- Bulk (2 Levels)	4800
.25 cc Straws (28/cane)	5376
.25 cc Straws- Bulk (2 Levels) in Goblets	10740



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TW 35HC

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FEATURES

- Rugged ribbed high-strength aluminum body, magneformed necktube design, and more durable paint
- Numbered index ring and tapered internal canister locator
- Superior vacuum performance with super insulation for maximum holding times
- Lockable lid



SPECIFICATIONS	35HC
LN ₂ Capacity (L)	35
Static Hold Time (Days)	130
Evap. Rate (Liters/Day)	0.27
DIMENSIONS	
Necktube (in/mm)	4.7 / 11.9
Overall Dia. (in/mm)	18.8 / 47.8
Height (in/mm)	26.8 / 68
WEIGHT	
Empty (lb/kg)	39.0 / 17.7
Full Weight (lb/kg)	101.3 / 45.9
CAPACITY	
Number of Canisters	10
Canister Dimensions (in) (mm)	2.64 x 11 6.7 x 28
1.2ml & 2.0 ml vials (5/cane)	850
1.2ml & 2.0 ml vials (6/cane)	1020
.5 cc Straws (10/cane)	2800
.5 cc Straws- Bulk (2 Levels)	7300
.25 cc Straws (28/cane)	7280
.25 cc Straws- Bulk (2 Levels) in Goblets	16400



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TW 35VHC

LN₂ HIGH-CAPACITY SMALL FREEZER

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FEATURES

- Rugged ribbed high-strength aluminum body, magneformed necktube design, and more durable paint
- Numbered index ring and tapered internal canister locator
- Superior vacuum performance with super insulation for maximum holding times
- Lockable lid

SPECIFICATIONS	35VHC
LN ₂ Capacity (L)	35
Static Hold Time (Days)	130
Evap. Rate (Liters/Day)	0.27
DIMENSIONS	
Necktube (in/mm)	4.7 / 11.9
Overall Dia. (in/mm)	18.8 / 47.8
Height (in/mm)	26.8 / 68
WEIGHT	
Empty (lb/kg)	37.9 / 17.2
Full Weight (lb/kg)	100.2 / 45.5
CAPACITY	
Number of Canisters	6
Canister Dimensions (in) (mm)	3.7 x 11 9.4 x 28
1.2ml & 2.0 ml vials (5/cane)	1050
1.2ml & 2.0 ml vials (6/cane)	1260
.5 cc Straws (10/cane)	3300
.5 cc Straws- Bulk (2 Levels)	9600
.25 cc Straws (28/cane)	9240
.25 cc Straws- Bulk (2 Levels) in Goblets	21564



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TW 38HC

LN₂ STORAGE SMALL FREEZER



Designed for storing large quantities of AI/IVF samples at extremely low temperatures



FEATURES

- Wide neck openings and large capacity provides easy access to stored samples
- Provides sample security and simplified inventory control
- Smaller footprint and lighter full shipping weight
- Numbered index rings and tapered internal canister location for ease of use
- Rugged construction - ribbed high-strength aluminum body, magenformed necktube design and durable paint
- 5-Year vacuum warranty

SPECIFICATIONS	38HC
LN ₂ Capacity (L)	38
Static Hold Time (Days) Liquid	120
Working Time Days (Liquid)	75
Evap. Rate (Liters/Day)	0.31
DIMENSIONS	
Neck Diameter (in/mm)	5.0 / 12.7
Overall Height (in/mm)	26.8 / 68
Overall Diameter (in/mm)	18.8 / 47.8
WEIGHT	
Weight Empty (lb/kg)	38.2 / 17.3
Weight Full (lb/kg)	105.9 / 48
CAPACITY	
Number of Canisters	10
Canister Dimensions (in) (mm)	2.75 x 11 7 x 28
# of 1.2 & 2.0 ml Vials (5/Cane)	950
# of 1.2 & 2.0 ml Vials (6/Cane)	1140
# of .05 cc Straws (10/Cane)	3200
# of .05 cc Straws Bulk (2 Levels)	8000
# of .25 cc Straws (28/Cane)	8960
# of .25 cc Straws Bulk (2 Levels) in Goblet	17,200



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TW 38VHC

LN₂ HIGH-CAPACITY SMALL FREEZER

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FEATURES

- Rugged ribbed high-strength aluminum body, magneformed necktube design, and more durable paint
- Numbered index ring and tapered internal canister locator
- Superior vacuum performance with super insulation for maximum holding times
- Lockable lid



SPECIFICATIONS	38VHC
LN ₂ Capacity (L)	38
Static Hold Time (Days)	120
Evap. Rate (Liters/Day)	0.31
DIMENSIONS	
Necktube (in/mm)	5.00 / 12.7
Overall Dia. (in mm)	18.8 / 47.8
Height (in/mm)	26.8 / 68
WEIGHT	
Empty (lb/kg)	38.2 / 17.3
Full Weight (lb/kg)	104.7 / 47.5
CAPACITY	
Number of Canisters	6
Canister Dimensions (in) (mm)	4.13 x 11 10.5 x 28
1.2ml & 2.0 ml vials (5/cane)	1260
1.2ml & 2.0 ml vials (6/cane)	1512
.5 cc Straws (10/cane)	4500
.25 cc Straws (28/cane)	12600



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TW 38WD

LN₂ HIGH-CAPACITY SHIPPER / SMALL FREEZER

Designed for shipping and storage of large quantities
of samples at extremely low temperatures



FEATURES

- Doubles as a rugged vapor shipper. Once on-site, fill it with LN₂ and it converts to a high-capacity freezer.
- Wide neck openings and large capacity provides easy access to stored samples.
- Smaller footprint and lighter full shipping weight.
- Advanced concept absorbent enables faster charging. Complies with IATA regulations.
- Rugged construction - ribbed high-strength aluminum body, magenformed necktube design and durable paint
- 3-Year vacuum warranty.

SPECIFICATIONS	38WD
LN ₂ Capacity (L)	38
Static Hold Time (Days) Liquid	120
Working Time Days (Liquid)	75
Working Time Days (Vapor)	24
Static Hold Time (Days) Vapor	38
Vapor Capacity (Liters) Absorbed	12
Evap. Rate (Liters/Day)	0.31
DIMENSIONS	
Neck Diameter (in/mm)	5.0 / 12.7
Overall Height (in/mm)	26.8 / 68
WEIGHT	
Weight Empty (lb/kg)	39.5 / 100.3
Weight Charged (lb/kg)	61.6 / 155.5
Weight Full (lb/kg)	107.2 / 272.3
CAPACITY	
Number of Canisters	10
Canister Dimensions (in) (mm)	2.75 x 11 7 x 28
# of 1.2 & 2.0 ml Vials (5/Cane)	950
# of 1.2 & 2.0 ml Vials (6/Cane)	1140
# of .05 cc Straws (10/Cane)	3200
# of .05 cc Straws Bulk (2 Levels) in Goblet	8000
# of .25 cc Straws (28/Cane)	8960
# of .25 cc Straws Bulk (2 Levels) in Goblet	17,200



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