WORTHINGTON INDUSTRIES

HC Series

High Capacity Series

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The High Capacity (HC) Series of refrigerators are designed for storing large quantities of a variety of materials at cryogenic temperatures. Provides temperatures of -196˚C at the liquid surface, and -190˚C at the top of the canisters. This series also offers a low-profile model (HCL12) with 5-inch (125 mm) canisters.

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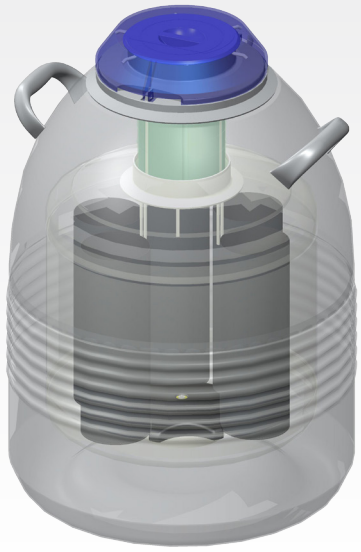
HC Series

Features

- Large storage capacity
- Rugged Construction – ribbed high strength aluminum body, magneformed necktube design, and more durable paint
- Numbered index ring and tapered internal canister locator.
- Superior vacuum performance with superinsulation provides maximum holding times
- Security – Lockable lid and optional low level alarm with remote connection available
- Mobility – Roller bases are available for all models



MODEL		HCL12	HC20	HC34	HC35	HC38	VHC35	VHC38
Static Holding Days		60	87	200	130	120	130	120
Working Time Days		37	54	125	81	75	81	75
Evaporation Rate liters/days		0.20	0.23	0.17	0.27	0.31	0.27	0.31
Liquid Nitrogen Capacity - liters		12	20	34	35	38	35	38
Weight Empty	lbs. kg.	21.6 9.8	26.4 12.0	35.38 16.1	39 17.7	38.2 17.3	37.9 17.2	38.2 17.3
Weight Full	lbs. kg.	43.0 19.5	62.0 28.2	95.9 43.6	101.3 46.0	104.7 47.5	100.2 45.5	104.7 47.5
Neck Diameter	in. mm.	3.6 91	3.6 91	3.6 91	4.7 119	5.0 127	4.7 119	5.0 127
Overall Height	in. mm.	19.0 482	24.25 615	26.31 668	26.8 681	26.8 681	26.8 681	26.8 681
Overall Diameter	in. mm.	15.6 396	15.6 396	18.8 478	18.8 478	18.8 478	18.8 478	18.8 478
Number of Canisters		6	6	6	10	10	6	6
Canister Dimensions		2.75x5 70x127	2.75x11 70x279	2.75x11 70x279	2.64x11 67x279	2.75x11 70x279	3.7x11 94x279	4.13x11 105x279
Number of 1.2 ml & 2.0 ml vials (5/cane)		N/A	570	570	850	950	1050	1260
Number of 1.2 ml & 2.0 ml vials (6/cane)		N/A	684	684	1020	1140	1260	1512
Number of 1/2 cc straws - (10 per cane)		N/A	1850	1850	2800	3200	3000	3528
Number of 1/2 cc straws - Bulk (1 level)		2940	N/A	N/A	N/A	N/A	N/A	N/A
Number of 1/2 cc straws - Bulk (2 levels)		N/A	5880	5880	9800	8000	9900	11520
7th Canister		N/A	N/A	N/A	N/A	N/A	366840	372550
Roller Base		366742	366742	366783	366783	366783	366783	366783
Cryo-Sentry Level Alarm		N/A	366815	366815	366845	369628	366833	369628

PrincetonCryo.com
Cryogenic Delivery and Storage Systems
6191 Kellers Church Rd, Pipersville, PA 18947

US Toll Free: 800.232.2796
Web: www.PrincetonCryo.com

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