



High Capacity Series

HC Series

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.

HC Series

| MODEL | | HCL12 | HC20 | HC34 | HC35 | VHC35 |
|--|------|------------------|-------------------|-------------------|-------------------|------------------|
| Static Holding Days ⁽¹⁾ | | 60 | 87 | 200 | 130 | 130 |
| Working Time days ⁽²⁾ | | 37 | 54 | 125 | 81 | 81 |
| Evaporation Rate ⁽³⁾ 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 | | 2.75x5 70x127 | 2.75x11 70x279 | 2.75x11 70x279 | 2.64x11 67x279 | 3.7x11 94x279 |
| Number of 1.2 ml & 2.0 ml vials (5/cane) | | N/A | 570 | 570 | 850 | 1050 |
| Number of 1.2 ml & 2.0 ml vials (6/cane) | | N/A | 684 | 684 | 1020 | 1260 |
| Number of 1/2 cc straws - (10 per cane) | | N/A | 1850 | 1850 | 2800 | 3000 |
| Number of 1/2 cc straws - Bulk (1 level) | | 2940 | N/A | N/A | N/A | N/A |
| Number of 1/2 cc straws - Bulk (2 levels) | | N/A | 5880 | 5880 | 9800 | 9900 |
| 7th Canister ⁽⁴⁾ | | N/A | N/A | N/A | N/A | 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 |

Features

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



(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 actual operating conditions.

(3) Without canisters.

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



Taylor-Wharton
Since 1742

customerservice@taylorwharton.com
www.taylorwharton.com

The Americas
Phone: +1 800-898-2657
Phone: +1 251-443-8680

Australia and Asia
Phone: +61 (0) 2 6040-2533

Europe
Germany
Phone: +49 (0) 4841 9850

Slovakia
Phone: +421 (0) 55 72 77 124