

## XT Series



### **XT Series**

The Extended Time Series (XT) Series of cryogenic refrigerators are designed for long-term storage of a variety of materials at cryogenic temperatures. This series also offers low profile models (XTL), with 5" canisters.



# XT Series

| Models                                     | XTL3   | XTL8      | XT10   | XT20      | XT34      |        |
|--|--------|-----------|--------|-----------|-----------|--------|
| Static Holding Time days (1)               | 27     | 80        | 100    | 230       | 340       |        |
| Working Time days (2)                      | 17     | 50        | 62     | 140       | 212       |        |
| Evaporation Rate (1) liters/days           | 0.11   | 0.10      | 0.10   | 0.09      | 0.10      |        |
| Liquid Nitrogen Capacity - liters          | 3      | 8         | 10     | 20.7      | 34        |        |
| Weight Empty                               | - lbs. | 7.2       | 19.6   | 16.5      | 26        | 34.75  |
|  | - kg.  | 3.3       | 8.9    | 7.5       | 11.8      | 15.8   |
| Weight Full (3)                            | - lbs. | 12.5      | 33.8   | 34.3      | 62.8      | 95.3   |
|  | - kg.  | 5.7       | 15.4   | 15.6      | 28.6      | 43.3   |
| Neck Diameter                              | - in.  | 2.0       | 2.0    | 2.0       | 2.0       | 2.0    |
|  | - mm.  | 51        | 51     | 51        | 51        | 51     |
| Overall Height                             | - in.  | 17.2      | 19     | 23.8      | 25.8      | 26.3   |
|  | - mm.  | 437       | 483    | 597       | 655       | 668    |
| Overall Diameter                           | - in.  | 7.6       | 15.6   | 11.4      | 15.6      | 18.8   |
|  | - mm.  | 193       | 396    | 290       | 396       | 478    |
| Number of Canisters                        | 6      | 6         | 6      | 6         | 6         |        |
| Canister Dimensions (4)                    | - in.  | 1.5x5     | 1.5x5  | 1.5x11    | 1.5x11    | 1.5x11 |
|  | - mm.  | 38x127    | 38x127 | 38x279    | 38x279    | 38x279 |
| Number of 1.2 ml & 2.0 ml vials (5/cane)   | NA     | NA        | 150    | 150       | 150       |        |
| Number of 1.2 ml & 2.0 ml vials (6/cane)   | NA     | NA        | 180    | 180       | 180       |        |
| Number of 1/2 cc straws (10/cane)          | NA     | NA        | 540    | 540       | 540       |        |
| Number of 1/2 cc straws - Bulk ( 1 level)  | 750    | 750       | N/A    | N/A       | N/A       |        |
| Number of 1/2 cc straws - Bulk ( 2 levels) | NA     | NA        | 1500   | 1500      | 1500      |        |
| Roller Base                                | N/A    | R018-8C00 | N/A    | R018-8C00 | R033-8C00 |        |
| Low-Level Alarm                            | N/A    | N/A       | N/A    | R033-8C15 | R033-8C15 |        |

(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 the actual operating conditions.

(3) Without canisters.

(4) Canisters also available in 5.0 in. (127 mm) height for 10XT, 20XT and 34XT.

## Features

- (1) New Rugged Construction – ribbed high strength aluminum body, magniformed necktube design, and more durable paint
- (2) Versatile storage system – convenient canister numbered index location ring and tapered internal spider
- (3) Superior vacuum performance with super insulation provides maximum holding times
- (4) Security – Accessory low-level alarm is available with remote monitor capability
- (5) Lockable lids
- (6) Mobility – Roller bases are available for some models



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