



## *Extended Time 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" (127 mm) canisters.

# XT Series

## Features

- (1) New Rugged Construction – ribbed high strength aluminum body, magnifomed necktube design, and more durable paint
- (2) Versatile storage system – convenient canister numbered index location ring and tapered internal canister locator
- (3) Superior vacuum performance with super insulation provides maximum holding times
- (4) Security – Accessory low-level alarm is available with remote connection capability
- (5) Lockable lids (except for XT10)
- (6) Mobility – Roller bases are available for some models



MODEL		XTL3	XTL8	XT10	XT20	XT21	XT34
Static Holding Days <sup>(1)</sup>		27	80	100	230	221	340
Working Time days <sup>(2)</sup>		17	50	62	140	138	212
Evaporation Rate <sup>(1)</sup> liters/days		0.11	0.10	0.10	0.09	0.095	0.10
Liquid Nitrogen Capacity - liters		3	8	10	20.7	21	34
Weight Empty	lbs. kg.	7.2 3.3	19.6 8.9	16.5 7.5	26 11.8	26 11.8	34.75 15.8
Weight Full <sup>(3)</sup>	lbs. kg.	12.5 5.7	33.8 15.4	34.3 15.6	62.8 28.6	63.4 28.8	95.3 43.3
Neck Diameter	in. mm.	2.0 51	2.0 51	2.0 51	2.0 51	2.18 55.4	2.0 51
Overall Height	in. mm.	17.2 437	19 483	23.8 597	25.8 655	25.8 655	26.3 668
Overall Diameter	in. mm.	7.6 193	15.6 396	11.4 290	15.6 396	15.6 396	18.8 478
Number of Canisters		6	6	6	6	6	6
Canister Dimensions <sup>(4)</sup>	in. mm.	1.5x5 38x127	1.5x5 38x127	1.5x11 38x279	1.5x11 38x279	1.65x11 41.9x279	1.5x11 38x279
Number of 1.2 ml & 2.0 ml vials (5/cane)		N/A	N/A	150	150	210	150
Number of 1.2 ml & 2.0 ml vials (6/cane)		N/A	N/A	180	180	252	180
Number of 1/2 cc straws - (10 per cane)		N/A	N/A	540	540	720	540
Number of 1/2 cc straws - Bulk (1 level)		750	750	N/A	750	1122	750
Number of 1/2 cc straws - Bulk (2 levels)		N/A	N/A	1500	1500	2244	1500
Roller Base		N/A	R018-8C00	N/A	R018-8C00	R018-8C00	R033-8C00
Low Level Alarm		N/A	N/A	N/A	R033-8C15	R021-8C15	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) Working 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.

 **WORTHINGTON**  
INDUSTRIES

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## CONTACT US



**Dairymac Limited**  
Lake View, Unit C Waltham Business Park  
Swanmore, Southampton  
Hampshire, SO32 2SA  
Tel/Fax : + 44 (0) 1489 894447  
Email : sales@dairymac.com  
Web : www.dairymac.com