

# XT Extended Time Refrigerators



XT Series refrigerators are cryogenic vessels designed for long-term storage of a variety of materials at cryogenic temperatures. XT vessels permit holding times of up to 340 days. These extremely long holding times ensure economic operation.

Typical users include research institutes and laboratories as well as pharmaceutical firms and artificial insemination centers.

XT vessels are used primarily to store straws but are also used to store vials when long holding times are important.

This series also offers a low profile model (XTL) for use in more confined workspaces.

» For long-term storage of biogenic material and many other laboratory and industrial applications «



## SPECIFICATIONS

Models		XTL 3	XTL 8	XT 10	XT 20	XT 34
Static holding time <sup>(1)</sup>	Days	27	80	100	230	340
Working time <sup>(2)</sup>	Days	17	50	62	140	212
Evaporation rate <sup>(1)</sup>	l/24 h	0,11	0,10	0,10	0,09	0,10
LN <sub>2</sub> capacity <sup>(3)</sup>	l	3	8	10	20,7	34
Weight, empty	kg	3,3	8,9	7,5	11,8	15,8
Weight, full <sup>(3)</sup>	kg	5,7	15,4	15,6	28,6	43,3
Neck diameter	mm	51	51	51	51	51
Overall height	mm	437	483	597	655	668
Overall diameter	mm	193	396	290	396	478
Number of canisters		6	6	6	6	6
Canister dimensions <sup>(4)</sup>	mm	38 x 127	38 x 127	38 x 279	38 x 279	38 x 279
Number of 1.2 and 2.0 ml vials (5 per cane)		-	-	150	150	150
Number of 1.2 and 2.0 ml vials (6 per cane)		-	-	180	180	180
Number of 0.5 ml straws (10 per cane)		-	-	540	540	540
Number of 0.5 ml straws (bulk, 1 layer)		750	750	750	750	750
Number of 0.5 ml straws (bulk, 2 layers)		-	-	1.500	1.500	1.500

<sup>(1)</sup> Evaporation rate and holding time are nominal. A actual rate may be affected by the nature of the contents, atmospheric conditions, container history and manufacturing tolerances

<sup>(2)</sup> Working time is an arbitrary, reference-only value to estimate container performance under the actual operating conditions

<sup>(3)</sup> Without canisters

<sup>(4)</sup> Canister also available in 127mm height for XT10, XT20 and XT34 models

## ACCESSORIES (see also p. 26)

Roller base	-	R 018-8C 00W	-	R 018-8C 00W	R 033-8C 00W
Low liquid level alarm	-	-	-	R 033-8C 15	R 033-8C 15

The roller base increases the overall height of the vessel by 110 mm