

# HC High-Capacity Refrigerators



HC Series refrigerators are designed to provide greater storage capacity in vessels with approximately the same dimensions as those of the XT Series.

HC Series refrigerators are used for essentially the same applications as those of the XT Series. The choice between the two series depends on the specific requirements of the user.

HC vessels are used primarily to store material in vials or for applications that involve larger quantities of straws.

The HCL vessel is especially compact, which makes it ideal wherever space is limited.

## » High-capacity vessels for many applications «



SPECIFICATIONS						
Models		HCL 12	HC 20	HC 34	HC 35	VHC 35
Static holding time <sup>(1)</sup>	Days	60	87	200	130	130
Working time <sup>(2)</sup>	Days	37	54	125	81	81
Evaporation rate <sup>(1)</sup>	l/24 h	0,20	0,23	0,17	0,27	0,27
LN <sub>2</sub> capacity <sup>(3)</sup>	l	12	20	34	35	35
Weight, empty	kg	9,8	12	16,1	17,7	17,2
Weight, full <sup>(3)</sup>	kg	19,5	28,2	43,6	46,0	45,5
Neck diameter	mm	91	91	91	119	119
Overall height	mm	482	615	668	681	681
Overall diameter	mm	396	396	478	478	478
Number of canisters		6	6	6	10	6 <sup>(4)</sup>
Canister dimensions	mm	70 x 127	70 x 279	70 x 279	67 x 279 <sup>(5)</sup>	94 x 279
Number of 1.2 and 2.0 ml vials (5 per cane)		-	570	570	850	1.050
Number of 1.2 and 2.0 ml vials (6 per cane)		-	684	684	1.020	1.260
Number of 0.5 ml straws (10 per cane)		-	1.850	1.850	2.800	3.000
Number of 0.5 ml straws (bulk, 1 layer)		2.940	2.940	2.940	4.900	4.950
Number of 0.5 ml straws (bulk, 2 layers)		-	5.880	5.880	9.800	9.900

<sup>(1)</sup> Evaporation rate and holding time are nominal. 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> Optional a seventh canister is available for VHC 35 to increase storage capacity by 19%

<sup>(5)</sup> Canisters 70 x 279 mm available on request

## ACCESSORIES (see also p. 26)

Roller base	R 018-8C00W	R 018-8C00W	R 033-8C00W	R 033-8C00W	R 033-8C00W
Low liquid level alarm	-	R 034-8C15	R 034-8C15	R 037-8C15	R 036-8C30

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