



**CX
& CXR
Series**

CST
*Cryo-Science
Technologies*



CX Series

Cryo Express (CX) and Cryo Express with replaceable absorbent (CXR) "dry shippers" are designed to safely transport a variety of materials at cryogenic temperatures. The unique adsorbent material prevents a liquid spill if the unit is tipped over. Storage temperature inside the shipping cavity remains at approximately -190°C until the liquid nitrogen evaporates from the absorbent material.

Harsco
Gas Serv



CX & CXR Series

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Features

- Advanced Concept Adsorbent enables faster charging
- Complies with IATA regulations
- New rugged construction includes – dependable, stronger necktube design, ribbed high strength aluminum body, and more durable paint system.
- Superior vacuum performance with super insulation provides maximum holding times
- Optional storage accessories include a five shelf rack box system and Blood Bag rack for the CX500
- Temperature loggers are available for all models
- Lockable lids



*CXR Exclusive Feature: Removable adsorption material

Models	CX100	CXR100	CX500	CXR500
Static Holding Time days (1)	24	16	11	11
Working Time days (2)	17	11	7	7
Evaporation Rate (1) liters/days	0.18	0.23	0.60	0.60
Liquid Nitrogen Adsorbed - liters	4.4	3.7	6.4	6.7
Weight Empty	- lbs. 11.7 - kg. 5.3	11.7 5.3	30.0 13.6	30 13.6
Weight Full (3)	- lbs. 19.5 - kg. 8.9	18.3 8.3	41.4 18.8	43.7 19.8
Neck Diameter	- in. 2.78 - mm. 71	3.58 91	8.5 216	8.5 216
Overall Height	- in. 18.4 - mm. 467	19.4 493	26.9 683	26.9 683
Overall Diameter	- in. 9.2 - mm. 234	9.2 234	15.5 391	15.5 391
Number of Canisters	1	1	N/A	N/A
Canister Dimensions	- in. 2.64x11.0 - mm. 67x279	2.64x11.0 67x279	N/A N/A	N/A N/A
Number of 1.2 ml & 2.0 ml vials (5/cane) (4)	85	85	500	500
Number of 1.2 ml & 2.0 ml vials (6/cane) (4)	102	102	500	500
Number of 1/2 straws (10/cane)	170	170	N/A	N/A
Number of 1/2 cc straws - Bulk (1 level)	280	280	N/A	N/A
Number of 1/2 cc straws - Bulk (2 levels)	560	560	N/A	N/A
Padded carton	3701-9277	N/A	N/A	N/A
5 shelf rack	N/A	N/A	RS30-9C44	RS30-9C44
Poly Carb 100 box	N/A	N/A	R24K-9C44	R24K-9C44



(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 or racks
 (4) CX500 and CXR500 vials are stored in 100 cell boxes