

CRYOXPERT

Controlled  
Rate Freezer



**Preserve Viability:  
Perfectly Controlled,  
Precisely Monitored**



# Controlled Rate Freezer

The CryoXpert Controlled Rate Freezer provides high-capacity cryogenic freezing for biological products. It can homogeneously freeze over 40,000 2ml vials in a controlled and monitored environment, ensuring the highest viability. With a unique carousel design, each sample can be indexed and accessed individually without compromising the overall temperature profile within the batch.



Autogenerating  
Incrypted PDF reports



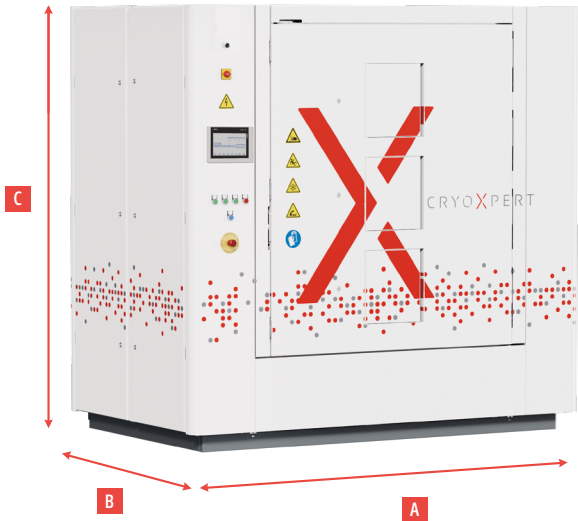
21 CFR part 11  
compliant



Uninterrupted cold chain



Homogeneous freezing



## DIMENSIONS

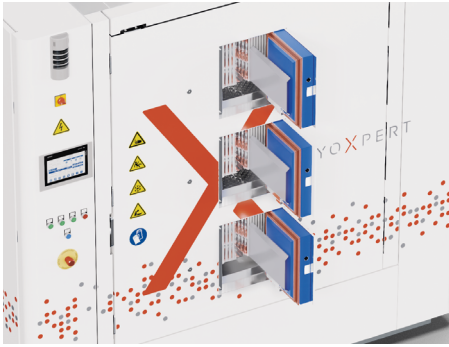
	MODEL	CXP-CAB-10K	CXP-CAB-20K	CXP-CAB-40K
A	WIDTH [MM]	2240	2540	3140
B	DEPTH [MM]	1290	1490	2220
C	HEIGHT [MM]	2320	2320	2320
D	VIALS QUANTITY [PCS.]	10000	20000	40000

All dimensions are subject to tolerances according to ISO 13920:1996 Class D.



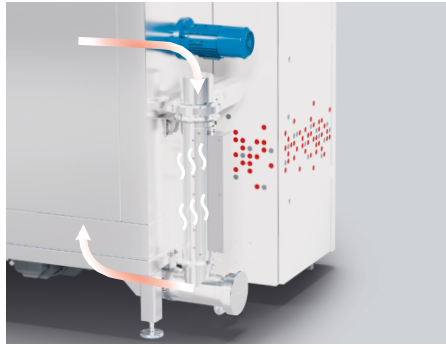
Dohmeyer is an ISO 13485 certified company, using the GMP guidelines and CFR21 p11 controls.

## CRYO PRECISION



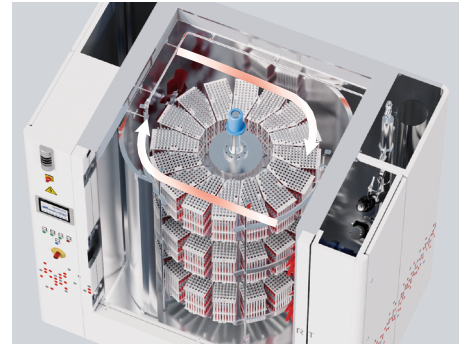
### Uninterrupted cold chain

Access to the samples without exposing other samples to ambient temperature



### Automatic defrosting system

This system ensures a swift return to initial ambient temperatures in the chamber, enhancing repetitive freezing cycles



### Homogeneous freezing

This process ensures uniform temperature distribution throughout the chamber, enabling consistent and reliable freezing

## CRYO SAFETY



### Heated door & doorframe

No condensate drip, gas tight seal improves hygiene and safety



### Vacuum insulated manifold

Contains a safety shut-off valve, a proportional process valve, and a safety relief valve in a vacuum jacket



### Redundant safety loop

Secondary safety system provides full back up to primary safety circuit



### Uninterruptible Power Supply

Vital for data protection, the UPS provides a dependable power source to mitigate data loss and maintain continuous operation of critical systems during power interruptions



### Password-protected/RFID card-based operating panel

Ensures that only authorized individuals can operate or enter the panel's protected functions

## PROCESS SAFETY



### Calibrated process and product probes

Contribute to shorter freeze times and reduced cryogen consumption without compromising product stability



### 21 CFR part 11 compliant

Enhance operational efficiency with our audit trails and user-specific access controls using personalized RFID badges

**AES-128BIT  
ENCRYPTION  
ENGINE**



### Auto-generated Encrypted PDF reports

No possibility of manipulation in reports



# CRYOXPERT

CryoXpert is the medical division of Dohmeyer, the world leader in rapid and controlled cooling and freezing.

Our machines guarantee that your invaluable biological samples are frozen with unmatched precision, ensuring both viability and homogeneity.



## Support:

Dohmeyer are available 24/7 giving access to our specialist support teams providing help and advice to all our customers.



## Contact:

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[www.cryoxpert.com](http://www.cryoxpert.com)