

Making our world more productive



QI[®] Cryo – the Science of Cool

Linde cryogenic solutions provide the next generation of freezers for reliable, energy-efficient and cost-effective freezing



QI® Cryo services from Linde can provide complete cryogenic solutions for storing biological samples and materials, regardless of whether it is for hospital, IVF clinic, research laboratory or biobank. The next generation QI Cryo freezers provide maximum storage density as well as the longest hold time and highest sample security in the industry.



Heco™ Series Freezer -190 °C

These freezers are available in three unique sizes and provide maximum storage density. They are one of the most efficient vapor freezers.

Features include:

- Dry sample storage
- -190 °C top box temperature
- Efficient usage of liquid nitrogen
- The security holding period is approximately 2 weeks before the temperature rises from -190 °C to -130 °C after the latest filling
- Control system with liquid level control, temperature alarm and log



Vario® Series Freezer

Energy efficient and reliable alternative to ultra-low mechanical freezers.

Features include:

- User-defined temperature anywhere between -20 °C and -150 °C
- Completely dry vapor phase storage area
- The security holding period is approximately 4 days before the temperature rises from -80 °C to -60 °C
- Can be converted into a standard vapor freezer
- Control system with liquid level control, temperature alarm and log



Installation and equipment

Reliable and safe installation of the freezers and the required ancillary equipment.

- Oxygen monitoring
- Freezer monitoring
- Tailor made racking systems
- Cryo boxes
- Personal Protective Equipment

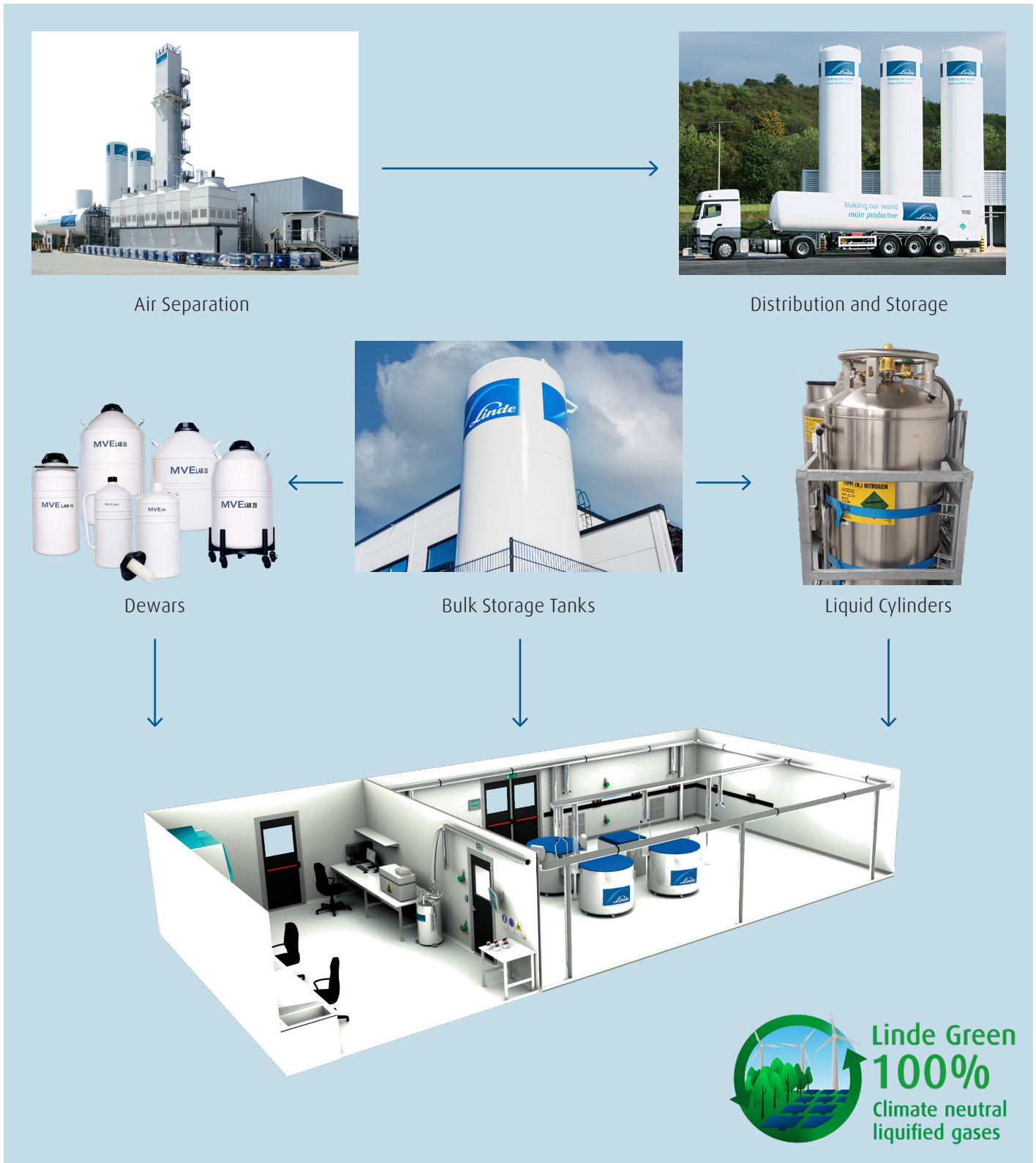


Download MVE cryopreservation products catalogue

Visit www.mvebio.com for free downloading of the product catalog "MVE Cryopreservation for Life Sciences. A catalogue about storage and transport systems for MVE Cryopreservation.

Flexible supply of liquid nitrogen

- Fully automated bulk system installation for cryo rooms with multiple freezers.
- Euro Cylinder 230 L/180 kg for single freezers.



Create your own cryo-room!

Learn how to create your cryo-room with our app “Linde Virtual Cryo”, download it on AppStore.

What do our customers say?

“We considered the energy consumption of the Tampere University Arvo building during its construction. We discovered Linde’s solution, which replaced our current electrical refrigerators with Linde’s liquid nitrogen freezers. Previously, when utilizing electrical refrigerators, the waste heat had to be cooled using another piece of electrical equipment. Linde’s solution eliminated the need for additional cooling, which resulted in significant cost savings for us!”

Jarmo Mäkelä, Consultant to University Properties of Finland Ltd

“We have a long history with Linde. I’m so satisfied with our cooperation. We set up our first centralized sample storage unit at the University of Helsinki in 2009. Starting with a capacity of 335,000 samples, today FIMM has 16 liquid nitrogen-based freezers and capacity for over ones million samples.”

Tiina Vesterinen, Laboratory Coordinator at FIMM

“In 2016, the University of Tampere set up a laboratory center and centralized sample management with Linde’s liquid nitrogen freezers. Operational reliability is a key advantage of Linde’s freezers, and this is very important for us. We’re talking about unique biological samples that are preserved under certain circumstances. If we lost these samples due to damage or malfunction of the storage unit, the loss would be indispensable.”

Petteri Malkavaara, University of Tampere



Do you want to know more?

For support and information, please send an e-mail and one of our experts will contact you qicryo@linde.com

www.linde.se, www.linde.no, www.linde-gas.dk, www.linde-gas.fi, www.linde-gas.lt, www.linde-gas.lv, www.linde-gas.ee