

SINGLE USE SUPPORT.

PIONEERING BIOPHARMA



ROSS.ULTF

Ultra-low temperature storage freezer
for frozen drug substances.

Down to $-80^{\circ}\text{C}/-112^{\circ}\text{F}$.

Highest storage density.

Modular interior.

RoSS.ULTF

Ultra-low temperature storage freezer.

RoSS.ULTF is an upright ultra-cold storage freezer for frozen drug substances in different sizes. The fridge for laboratories keeps the desired set point temperature as low as $-80^{\circ}\text{C}/-112^{\circ}\text{F}$.

The platform enables modular and easy-to-install cold room storage capacity that smartly fills a gap for the biopharmaceutical industry between small-scale low storage density lab freezers and large but expensive walk-in freezers. Full temperature control thanks to reliable air temperature conformity and a highly modular interior that can be equipped with shelving systems to store all available single-use bags, bottles or other primary packaging.



Advantages:

- Ultra-low storage: Holds desired temperature down to $-80^{\circ}\text{C}/-112^{\circ}\text{F}$
- Great relief for storage capacities due to its **high storage density** and **stackability** of RoSS shells
- Another way out from incompatibilities of technologies due to its tailored design
- Seamless transitions between deep freezing (RoSS.pFTU) and shipping (RoSS.SHIP) or thawing in an end-to-end process
- High degree of **flexibility** in-plant due to its **portable use**

RoSS.ULTF

Ultra-low temperature storage freezer.

TECHNICAL SPECIFICATIONS



Outer dimensions chamber V1/V2 (WxDxH)	1350x2400x1950 / 1350x2400x2250
Inner dimensions chamber V1/V2 (WxDxH)	1000x1400x1500 / 1000x1400x1800
Insulation	150mm PU Foam
Temperature range	-20°C to -80°C (-4°F to -112°F)
Power supply	400V 50Hz / 230V 60Hz
Power Consumption	4.8kW (50Hz) / 3.7kW (60Hz)
Auxiliary technical features	1x USB port 7" unified touch panel
Net weight	Approx. 900 kg

Facts:

- Insulated container for long-term cooling of frozen drug substances
- Continuous setpoints between -20°C and -80°C (-4°F to -112°F)
- Equipped with two calibratable chamber sensors for cold and hot spot; additional sensors on request
- Via OPC UA all process relevant data can be exported
- Customized connections to MES
- Full stainless steel AISI 316 interieur/exterieur
- Customized interior with shelf systems, drawer systems or trolleys
- Loading capacity of up to 300L of drug substance
- Flexible storage location
- Compatibility with RoSS single-use technologies
- Amount of condensation depends on temperature, humidity and other factors
- Powered by natural gases
- Choose between water- or air-cooled system



Single Use Support assists you from beginning to end, offering highly qualified support all along the way. Contact us for further details!