



Green Cooling, Intensified

Store safer, store larger, store smarter: the CryoCube® F740h

Your Solution for Long-Term Sample Safety

The Eppendorf R&D team had a distinct goal: Take what was already great and make it better. The known and proven Eppendorf freezer concept was improved with new technologies and enhanced benefits for you as a user.

The CryoCube F740 series ULT Freezer is the latest addition to the Eppendorf Freezer Family. Combining the high-quality tradition of our previous freezers with an increased capacity, the CryoCube F740 is designed to store more of your samples securely while maintaining optimal energy usage. The integration of the PhysioCare Concept® during development means that the CryoCube F740 is easier and more comfortable to use, reduces user stress, supports an ergonomic workspace, and provides optimal workflow in the lab.

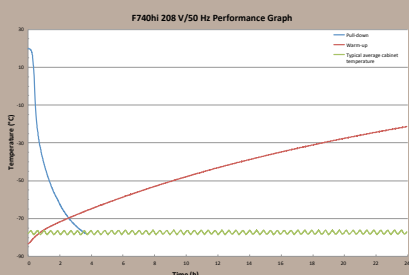
Sample security

- > Rapid door-opening recovery times to maintain temperature during sample access
- > Robust and reliable insulation enables "24/7"-safe, -80 °C conditions.
- > A reliable harbor for your valuable samples: Set -80 °C and maintain -80 °C



Energy efficiency

- > Fast pull-down times to bring your freezer to temperature with minimal energy usage
- > Vacuum insulation panel comes standard
- > Flat and flexible outer gaskets and optimized inner gaskets
- > Green cooling and reliable cascade compressor systems

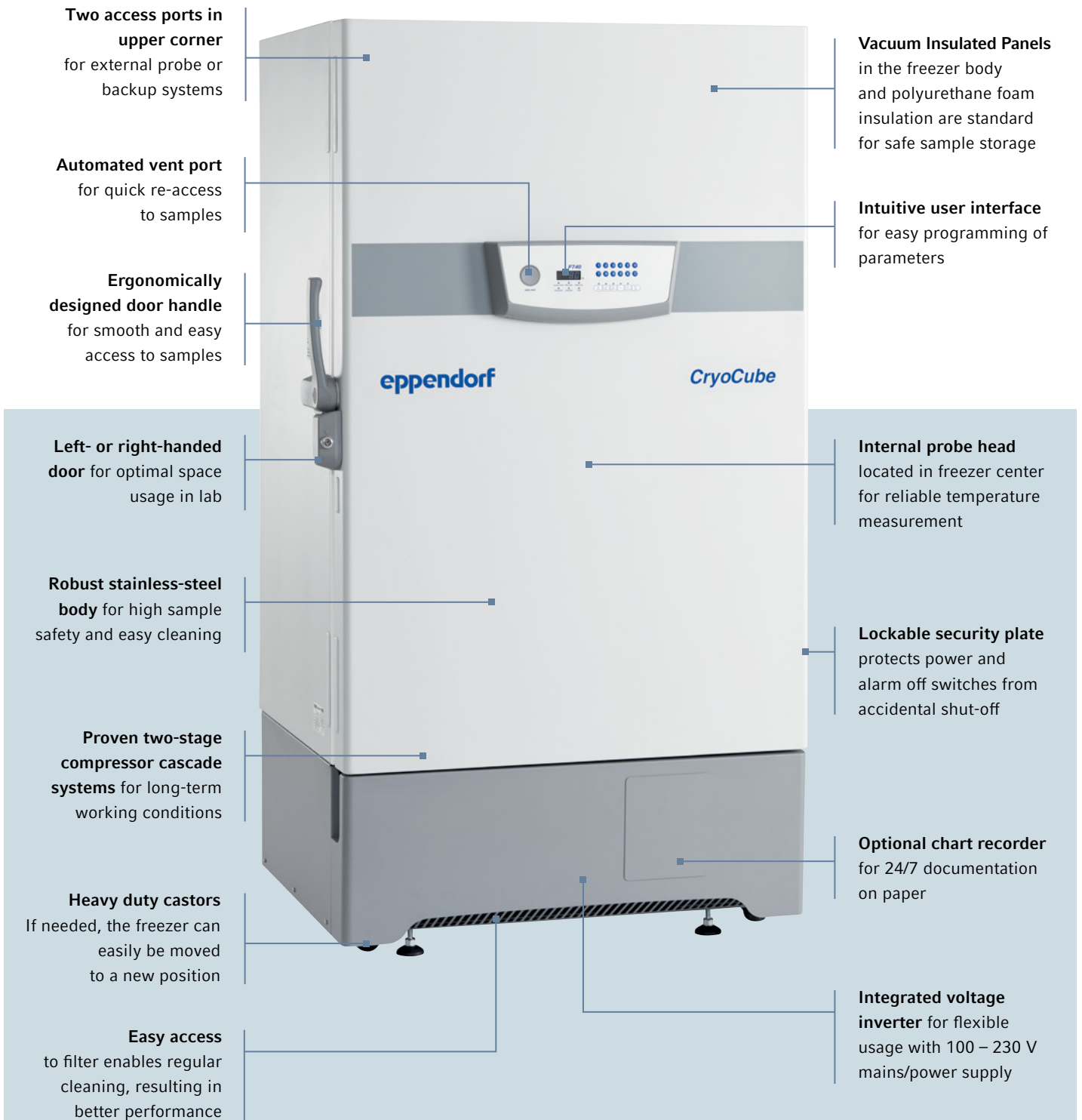


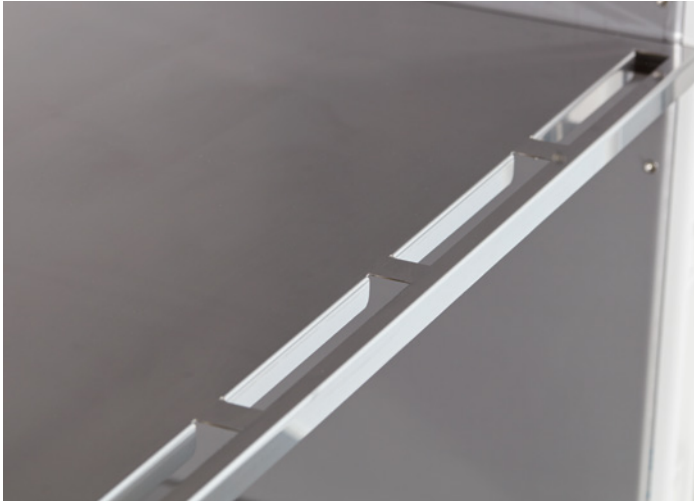
User-friendly

- > Easy-to-use interface at eye-level for fast and convenient adjustments
- > Automated vent port on the front of the door for quick re-access to samples
- > Easy access to filter enables regular cleaning, resulting in better performance



CryoCube[®] F740h

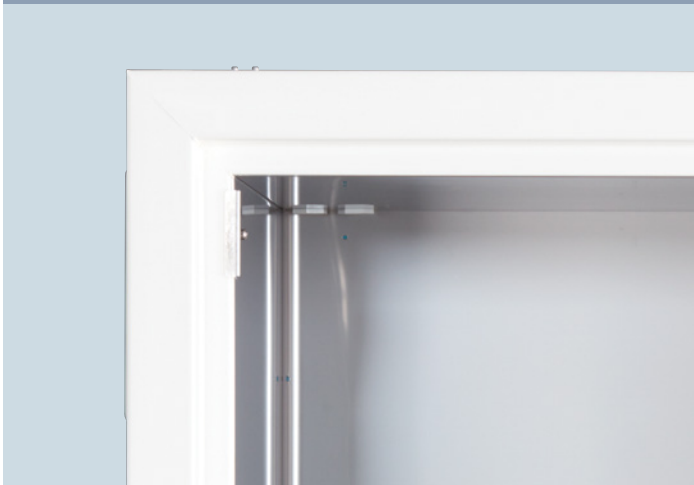




- > **Enhanced shelf design:** integrated airways for fast and consistent air circulation
- > **Keep your fingers safe:** rounded metal rims at shelves



- > **Double your safety:** gaskets on inner doors come standard to reduce air leakage
- > **Easy access:** magnetic door-closing system



- > **External probes or back ups:** two access ports in the upper corner
- > **Keep the cold inside:** broad and flexible outer gaskets



- > **Personal storage preference:** 3 or 5 compartment/shelf versions for flexible sample storage
- > **Built for convenience:** stainless steel interior for easy cleaning
- > **Flexible monitoring:** use RS485 or BMS cable for alarm system



- > **Easy access:** quickly open the bottom-mounted air filter for easy cleaning and maintenance
- > **Simple solution:** no tools required to access the filter

Technical Specifications*

Power	Mains/power supply (A)	115 V, 60 Hz	12		
		208 - 230 V, 60 Hz	9		
		230 V, 50 Hz	6		
	kWh per day¹ (-80 °C/-70 °C)	115 V, 60 Hz	13.0/8.9		
		208 - 230 V, 60 Hz	11.8/8.1		
		230 V, 50 Hz	11.8/8.1		
Capacity	Overall	740 L (26.13 ft ³)			
	Compartments	3		5	
	Racks per shelf	6		6	
	Racks per freezer	18		30	
	Box capacity per rack	2 in (53 mm) box (H)	32	16 (24)	
		3 in (76 mm) box (H)	20	8 (16)	
		4 in (102 mm) box (H)	16	8 (12)	
	Box capacity per freezer	2 in (53 mm) box (H)	576	528	
		3 in (76 mm) box (H)	360	288	
		4 in (102 mm) box (H)	288	264	
Sample capacity per freezer	2 in (53 mm) box (H)	57,600	52,800		
Performance	Noise level (dB)	230 V, 50 Hz	47.8		
	Max. heat output (-80 °C/-70 °C) (Watts)	115 V, 60 Hz	542/371		
		208 - 230 V, 60 Hz	492/338		
		230 V, 50 Hz	492/338		
Cooling	Refrigerant	R290/R170			
	Cool down time to -80 °C	4 h 10 min			
Dimensions	External^{2,3,4}	Height	197.3 cm/77.7 in		
		Width	109.9 cm/43.3 in		
		Depth	91.5 cm/36.0 in		
	Internal	Height	139.0 cm/54.7 in		
		Width	86.5 cm/34.1 in		
		Depth	62.1 cm /24.5 in		
Weight	Net weight	308.0 kg/679.0 lbs		317.0 kg/699.0 lbs	
	Shipping weight	357.0 kg/787.0 lbs		366.0 kg/807.0 lbs	

*Specifications subject to change.

¹Empty freezer with shelves fitted, upright freezers only, set point -80 °C, 20 °C ambient conditions. ²Optional CO₂/LN₂ back-up systems add 8.65 cm/3.5 in to height.

³To allow for handles and hinges, add 80 mm to width of upright freezers and 110 mm to the depth. ⁴Door open adds up to 15 cm.

Ordering information

Right or left door handle	Inner compartments	Voltage	Order no.
Left	5	115 V	F740540035
		208 V	F740540035
		230 V	F740340031
	3	115 V	F740540015
		208 V	F740540015
		230 V	F740340011
Right	5	115 V	F740540045
		208 V	F740540045
		230 V	F740340041
	3	115 V	F740540025
		208 V	F740540025
		230 V	F740340021



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.