

# CryoCube® F440 Series

- **Space efficiency:** the CryoCube F440 can hold up to 320 boxes – 33% more racks capacity than the U410 (dimensions see appendix 2).
- All models and voltage variants use **sustainable, natural cooling liquids R-170 and R-290**. This “green cooling” (along with HFC-free insulation) will help meeting the rising demand for ULT freezers that meet customers’ sustainability policies.
- We **improved the energy efficiency**. depending on the model, the CryoCube F440 consumes up to 35% less power than its predecessor (depending on model). This reduces the electricity consumption of these freezer models and enables direct savings on the cost of ownership.
- The noise emission was reduced greatly, making the CryoCube F440 the ideal freezer to operate near the work benches in the lab.
- The design of the CryoCube F440 is in line with the new generation of CryoCube F570 launched earlier this year. All beneficial features of the upright CryoCubes, such as focus on sample safety with fast pull down and door-open-recovery times and ergonomic metal door handle are included. Racks are interchangeable with the U410 and the F570.



## 1 Product Features and Ordering Information

The new CryoCube F440 series contains 2 different models:

- CryoCube F440**n**: with “green” cooling liquids and PU foam insulation (replacing the previous Premium U410)
- CryoCube F440**h**: the high-efficiency models with “green” cooling liquids and PU foam plus VIP insulation (replacing the previous HEF U410)

The internal volume of 440 liters/15.3 cubic feet, provides storage capacity for 320 standard 50 mm/2” boxes in 5 compartments. Further details on the performance of the new models will be given in the Performance Data Sheets (to become available on epBrain by launch).

All CryoCube F440 models are non-IVD, non-medical devices.

## Appendix 2 – CryoCube® F440 dimensions

(Excerpt from CryoCube F440 operating manual)

### 10.3.1 External dimensions

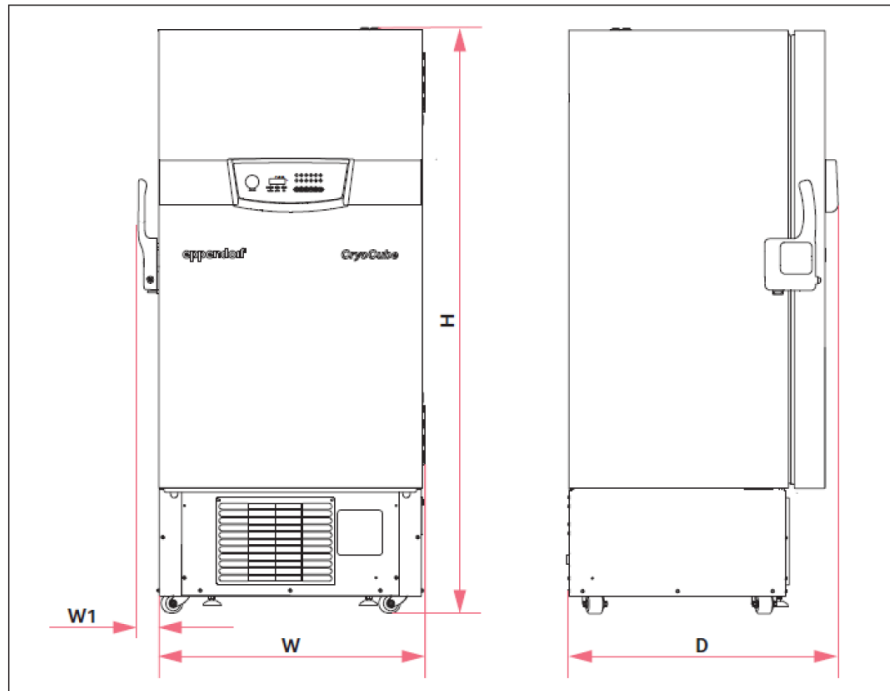


Fig. 10-1: External dimensions of CryoCube F440n and CryoCube F440h

D 898 mm                      W 876 mm  
H 1950 mm                    W1 68 mm

### 10.3.2 Internal dimensions

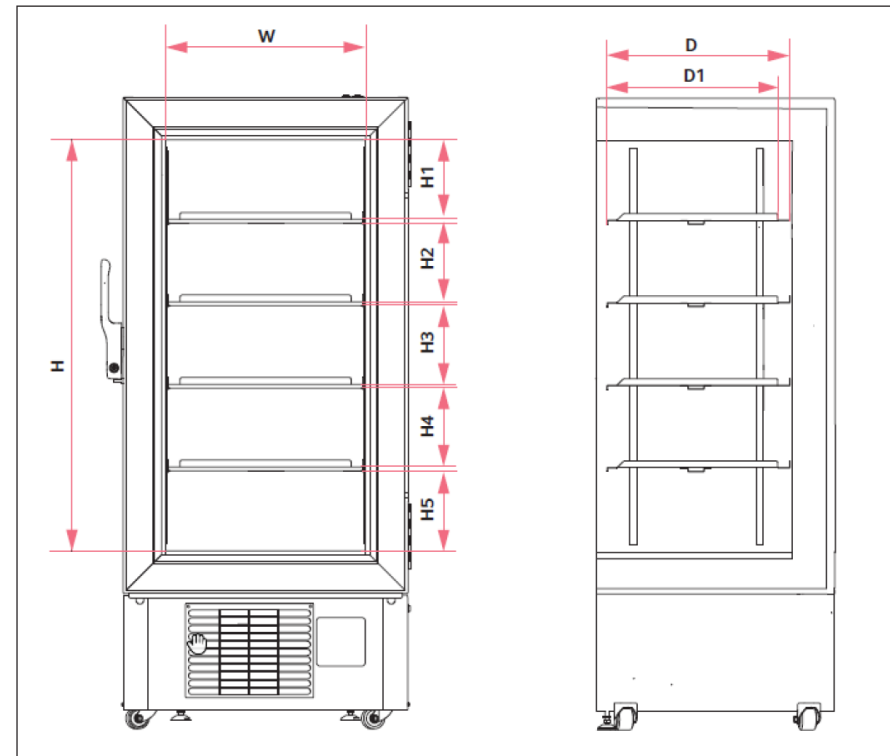


Fig. 10-2: Internal dimensions CryoCube F440n and CryoCube F440h

D 600 mm                      H2-H4 242 mm  
D1 575 mm                    H5 245,5 mm  
H 1265 mm                    W 616 mm  
H1 245,5 mm

## Appendix – CryoCube® F440 local order numbers

### CryoCube F440n

		Voltage	Inner Compartments	Door handle	Cooling	Insulation	EU (Schuko)+ UK
F440n	air cooled	115V, 60Hz	5	L	Green	PU	-
F440n	air cooled	208 V, 60 Hz	5	L	Green	PU	-
F440n	air cooled	230V, 50 Hz	5	L	Green	PU	F440300031

### CryoCube F440h

		Voltage	Inner Compartments	Door handle	Cooling	Insulation	EU (Schuko)+ UK
F440h	air cooled	115V, 60Hz	5	L	Green	PU + VIP	-
F440h	air cooled	230V, 50 Hz	5	L	Green	PU + VIP	F440340031