

Frozen in Time Ltd.

Manufacturers of Freeze Drying Machines
and Vacuum Cold traps

FR-100 Freezedrier

UK Manufactured

The FR-100 freeze dryer is a short cycle, high-performance unit featuring stainless steel shelves that radiate heat to the product. The product is held in anodised aluminium trays that are suspended between the heater shelves on a removable cassette.

The cassette trolley allows for a batch of trays to be prepared in advance then easily loaded and unloaded for quick turnaround times.

The key features of this unit are:

- Fast drying capabilities of between 12 and 24 hours for 50 to 100kg depending on product type.
- Fully programmable automatic cycle with 19inch touch screen HMI.
- Remote access via internet and direct factory support.
- Tray area of 8m² and a shelf spacing of 70 mm

The FR-100 is also ideal for large scale product development and small-scale production activities.

The refrigeration system can be water cooled or air cooled, depending on requirements or preference. We can supply both air cooled condenser cells or a chiller.



Technical Data	FR100
Ice condenser capacity	120 kg
Ice condenser performance:	120 kg / 24 h
Ice condenser temperature:	-55 °C
Defrost:	Hot gas
Number of trays:	20
Tray area:	8m ²
Shelf spacing:	7cm
Shelf temperature:	Up to 130°C
Cooling systems:	Water cooled or Air cooled
Refrigeration:	Two Stage
Unit dimensions:	210 × 200 × 300cm (H × W × D)
Refrigerant:	R449A
Vacuum :	Pfeiffer Duo 65

Part No

FR-100

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Please enquire for a more detailed specification and price