

Frozen in Time Ltd.

Manufacturers of Freeze Drying Machines
and Vacuum Cold traps

F50 Freeze drier

UK Manufactured

The F50 freeze drier is a short cycle, high-performance unit featuring stainless steel shelves conducting heat directly to the product rather than radiating. Freeze drying with conduction does not require such high shelf temperatures and is therefore safer for the product and easier to program.



The key features of this unit are:

- Fast drying capabilities of between 16 and 24 hours for 50kg depending on product type.
- Fully programmable automatic cycle with 19inch touch screen HMI.
- Remote access via internet and direct factory support.
- Shelf area of 5.2 m² and a shelf spacing of 37 mm
- Fast initial product freezing via conduction and blast freezing.

The F-50 is also ideal for large scale product development and small-scale production activities.

Water cooling is required for the refrigeration system and we can supply an appropriate sized chiller if needed.

Technical Data	F50
Ice condenser capacity	75 kg
Ice condenser performance:	60 kg / 24 h
Ice condenser temperature:	-60 °C
Defrost:	Hot gas
Shelf dimensions:	65 × 80cm
Number of shelves:	9 +1
Shelf area:	5.2 m ²
Shelf spacing:	3.7cm
Shelf temperature:	-50 °C to +90 °C
Cooling systems:	Water cooled
Refrigeration:	Two Stage
Unit dimensions:	210 × 170 × 300cm (H × W × D)
Refrigerant:	R449A
Vacuum :	Pfeiffer Duo 35

Part No

F-50

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Please inquire for a more detailed specification and price

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