

Frozen in Time Ltd.

Manufacturers of Freeze Drying Machines
and Vacuum Cold traps

HSL-5 Freeze drier

The HSL-5 clean room design freeze drier is a, high-performance pilot unit featuring stainless steel shelves with internal circulating heat transfer fluid for heating and cooling, enabling it to meet the stringent demands of the pharmaceutical and biotechnology industries. The key features of this unit are its drying options, using up to seven shelves with a total area of 6m², shelf spacing of 60 mm, and a hydraulic vial stoppering device. The HSL-5 is also ideal for product development and small-scale production activities.

The HS-5 comes with fully automatic controls as standard. The touch screen SCADA system takes full control of the whole freeze drier. Please see additional information. **UK Manufactured**

Technical Data	HSL-5
Ice condenser capacity	80 kg
Ice condenser performance:	60 kg / 24 h
Ice condenser temperature:	-85 °C
Defrost:	Hot gas & electric
Shelf dimensions:	80 × 107cm
Number of shelves:	7 +1
Shelf area:	6 m ²
Shelf spacing:	min. 60 mm
Shelf temperature:	-70 °C to +60 °C
Shelf temperature accuracy:	max. ±1 °C
Cooling system:	Water
Refrigeration:	Cascade
Isolation Valve:	Ø25cm
Unit dimensions:	190 × 130 × 300cm (H × W × D)
Refrigerant:	R449A & R23

Part No

HSL-5

FIT/LYO/98/1



FROZEN IN TIME Ltd

York Road Industrial Park, Sheriff Hutton, York, YO60 6RZ England.
TEL. 01347 878158. E-MAIL. info@freezedriers.com WEBSITE. www.freezedriers.com