Frozen in Time Ltd.

Manufacturers of Freeze Drying Machines and Vacuum Cold traps

HSLS-4 SIP Freeze drier

The HSLS-4 freeze dryer is a steam sterilisable, highperformance production freezedrier. The chamber and shelves are made from polished 316L stainless steel. Temperature control is achieved by circulating thermal fluid that can be cooled or heated as required. The HSLS-4 freeze drier meets the stringent demands of the pharmaceutical and biotechnology industries. The key features of this unit are its drying options using up to eight shelves with a total area of 3.8m² and shelf spacing of 60 mm combined with the hydraulic vial stoppering device. The freeze

drier uses 2.5bar steam pressure to achieve 135°C on all internal surfaces.

The **HSLS-4** is designed for small-scale production activities where sterilisation between processes is essential.

UK Manufactured

HSLS-4
45 kg
30 kg / 24 h
-85 °C
Hot gas & electric
60 × 80cm
8 +1
3.8 m2
min. 6 cm
-70 °C to +60 °C
2.5bar
135°C
Automatic
max. ±1 °C
Water
Cascade
Ø25cm
200 × 200 × 150cm
$(H \times W \times D)$
R507 & R23

Part No HSLS-4

FIT/LYO/95/1





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.