











## **Key Features**

H-Series Freeze Driers are the ideal solution for high end pharmaceutical, clean room, pilot & production use.

Our steam sterilisable variations provide the capability to reach temperatures as low as -85°c, and sterilise the internal surfaces with 2.5bar of steam pressure at 135°c.

The HSLS-4 is a steam sterilisable, high performance pilot unit ideal for drying a variety of products at low temperatures. It is available in a clean room version where the accessible parts are external to the clean room. The HSLS-4 is suited product development & medium production.









Technical Data	HSLS-4
Ice Condenser Capacity	45kg
Ice Condenser Performance	30kg /24h
Ice Condenser Temperature	-85°c
Defrost	Hot Gas & Electric
Number of Shelves	8+1
Shelf Area	3.8m²
Shelf Spacing	60mm
Chamber Temperature	-70°c to +60°c
Cooling systems	Water or Air cooled
Refigeration	Frigpopol Cascade
Unit Dimensions (H x W x L)	2.1m x 1.5m x 1.1m
Refirigerant	R404A & R1150
Vacuum	Pfeiffer Duo 35
Chamber Dimensions	1000mm id x 1000mm
Power Supply	380-415v 32a 3∼
Control System	Automatic Control
Sterilisation Temperature	135°c
Clean Steam Pressure	2.5bar





FRØZEN IN TIME Manufacturers of freeze driers and vacuum cold traps