

# HS-1

## SINGLE STAGE REFRIGERATION



**Clean Room  
Compatible**



**Optional Shelf  
Stopping**



**Moveable**



**Nitrogen Purge  
Optional**



## Key Features

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

Our H-Series range provides the user advanced temperature, pressure & time control as well as an optional accurate shelf stopping system.

The HS-1 is a general-purpose, high performance pilot unit ideal for drying a variety of products in controlled environments. It is available in a clean room version where the accessible parts are external to the clean room. The HS-1 is suited for product development & small-scale production.



**Research**



**Lab**



**Pharma**

## Technical Data

## HS-1

Ice Condenser Capacity	15kg
Ice Condenser Performance	10kg /24h
Ice Condenser Temperature	-55°C
Defrost	Hot Gas & Electric
Number of Shelves	4+1
Shelf Area	0.48m <sup>2</sup>
Shelf Spacing	60mm
Chamber Temperature	-45°C to +60°C
Cooling systems	Air cooled
Refrigeration	Frigopop Single Stage
Unit Dimensions (H x W x L)	2.1m x 0.8m x 1.1m
Refrigerant	R404A
Vacuum	Kurt J Lesker RV212
Chamber Dimensions	500mm id x 500mm
Power Supply	380-415v 20a 3~
Control System	Manual or Automatic Control

