

HS-4

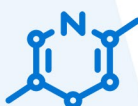
SINGLE STAGE REFRIGERATION



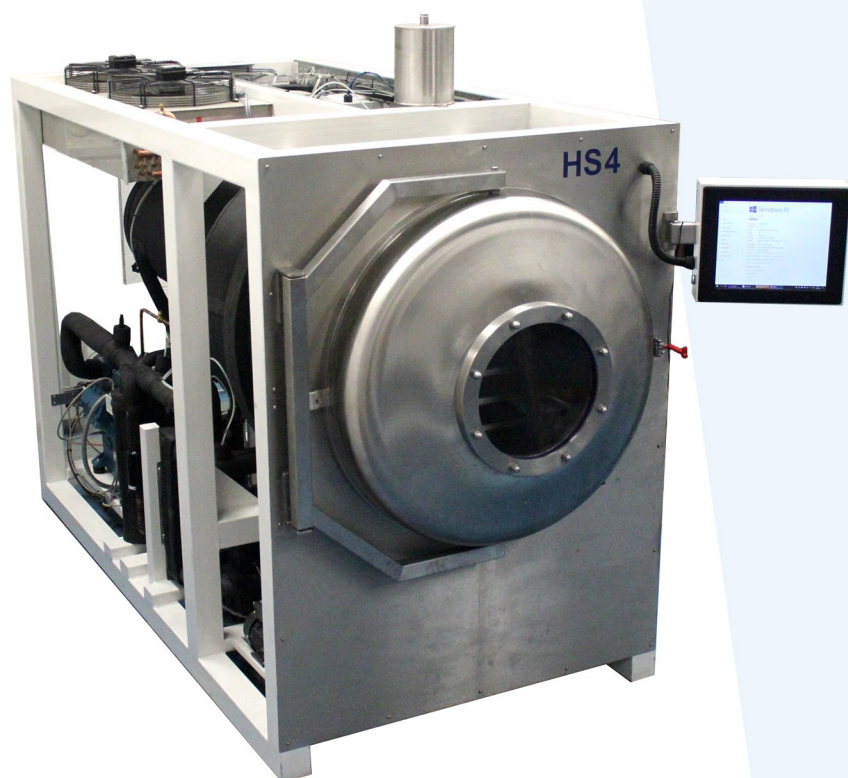
**Clean Room
Compatible**



**Shelf
Stopping**



**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 accurate shelf stopping system.

The HS-4 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-4 is suited for product development & large-scale production.



Research



Lab



Pharma

Technical Data

HS-4

Ice Condenser Capacity	45kg
Ice Condenser Performance	30kg /24h
Ice Condenser Temperature	-55°C
Defrost	Hot Gas & Electric
Number of Shelves	6+1
Shelf Area	3.4m ²
Shelf Spacing	60mm
Chamber Temperature	-45°C to +60°C
Cooling systems	Water or Air cooled
Refrigeration	Fracold Single Stage
Unit Dimensions (H x W x L)	2m x 1.4m x 3m
Refrigerant	R404A
Vacuum	Pfeiffer Duo 35
Chamber Dimensions	1000mm id x 1000mm
Power Supply	380-415v 32a 3~
Control System	Manual or Automatic Control

FROZEN IN TIME
Manufacturers of freeze driers and vacuum cold traps