

# 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               | Frigopool 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 |





# WolfLabs

**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.