











Key Features

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

Our low temperature H-Series range provides the capability to reach temperatures as low as -85°c, as well as features such as advanced temperature, pressure & time control.

HSL-3 is general-purpose, а 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 HSL-3 is suited for product development & small-scale production.

Technical Data	HSL-3
Ice Condenser Capacity	35kg
Ice Condenser Performance	20kg /24h
Ice Condenser Temperature	-85°c
Defrost	Hot Gas & Electric
Number of Shelves	6+1
Shelf Area	1.95m²
Shelf Spacing	60mm
Chamber Temperature	-65°c to +60°c
Cooling systems	Air cooled
Refigeration	Frigpopol Cascade
Unit Dimensions (H x W x L)	2.1m x 1.5m x 1.1m
Refirigerant	R404A & R1150
Vacuum	Kurt J Lesker RV224
Chamber Dimensions	850mm id x 850mm
Power Supply	380-415v 32a 3∼
Control System	Manual or Automatic Control













FRØZEN IN TIME Manufacturers of freeze driers and vacuum cold traps