Cole-Parmer®
an antylia scientific company



Harvest Right Scientific Freeze Dryer with Oil-Free Pump, Stainless Steel, Medium; 220 VAC 50 Hz

– Mfr # HRFD-Med-Sci-EU – N° d'article FV-03336-52

Customizable programming—ideal for drying in phases at different temperatures

- User-friendly interface provides program customization— up to 10 thermal treatment and 12 drying steps
- Constructed with a durable stainless steel chamber and collector
- Large 4.3" full-color, touch-screen display provides real-time pressure and temperature data
- Easily connect to a PC via ethernet cable for data logging and communication
- Capable of freeze drying as much as a 1-2 gallons of material

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Caractéristiques & Description

Capacity (Liters)	4
Cooling Capacity (° F)	46
Cooling Capacity (° C)	43
Exterior Width (in)	20

1 YEAR Warranty CE

COMPREND

Commercial grade oil-free vacuum pump, 4 stainless steel trays, insulated door pad, and power cord.

Exterior Height (in)	30
Exterior Depth (in)	25.5
Power (VAC)	220

PRINCIPALES CARACTÉRISTIQUES

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- Constructed with a durable stainless steel chamber and collector
- Large 4.3” full-color, touch-screen display provides real-time pressure and temperature data
- Easily connect to a PC via ethernet cable for data logging and communication
- Capable of freeze drying as much as a 1-2 gallons of material
- Medium freeze dryer has a 4 L sublimated ice holding capacity
- Runs on 220 VAC power
- 1 year warranty

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These Harvest Right freeze dryers can be fully customized with the programming required for your application. This includes multiple manageable profiles, each providing the ability to automatically power on and off the condensing unit and the oil-free vacuum pump in conjunction with ascending, controlled temperature and time settings. Control the rate of freeze, ultimate final freeze temperature, and the duration of time your sample is held at the ultimate freeze temperature before the drying cycle begins. Control of the shelf temperature during the dry cycle, allowing the material to dry in phases, at different temperatures. Automatically control the rate of sublimation during the primary drying cycle with shelf heaters. Through this process, the unit has control of the attendant vacuum pressure. The freeze dryer records and logs the pressure and temperature during the entire freeze-dry cycle for ensured system performance. Connect the unit to a PC via Ethernet cable for data logging and exporting.

System includes a 7 CFM oil-free scroll vacuum pump which is quiet, fast, and does not require regular user maintenance.

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