



NutriFREEZE

"Enhancing Product Quality & Profits"

"Stainless Programmable Short Cycle"

FREEZE DRYER

**2025
STANDARD**

**MODEL
FC-R 100 +
30 KW CHILLER**

PRICED AT \$279,700
(220 POUNDS/16-24 HOURS)



The FC-R Range of short cycle freeze dryers use radiant heat energy, and a rapid load/unload trolley and cassette system.

Simply pre-freeze your product in a walk-in freezer, roll the trolley to the freeze dryer, and slide the cassette into the product chamber. Loading and unloading takes just minutes.

Some of the key features of this unit are:

- Fast drying of 220 pounds of product in 16-24 hours
- Fully programmable cycle with a 19 inch touch screen HMI
- Tray area of 108 square feet
- Shelf spacing of 3.15 inches
- Supplied with 1 trolley, 1 cassette, and 1 set of trays (27)
- This freeze dryer is supplied with a 30 KW Chiller

Built to exacting specifications at our ISO:9001 Factory.

CE Certified

Onsite commissioning will be completed by a NutriFREEZE team member.

TECHNICAL DATA

FC-R 100

CONTROL SYSTEM:	Fully Programmable
ICE CONDENSER CAPACITY:	330 Pounds
ICE CONDENSER PERFORMANCE:	286 Lbs/24 Hrs
ICE CONDENSER TEMPERATURE:	-67°F/-55°C
DEFROSTING-END OF LOAD:	Hot Gas
NUMBER OF SHELVES:	9 Shelves (27 Trays)
LOADING SYSTEM:	Cassette/Trolley
TOTAL SHELF AREA:	108 Square Feet
SHELF TEMPERATURE:	Up to +266°F/+130°C
REFRIGERATION:	Two Stage Compressor
REFRIGERANT:	R-404A (NON-CFC)
COOLING SYSTEMS:	30 KW Chiller-Water/Glycol
VACUUM SYSTEM:	Pfeiffer Duo 65
ELECTRICAL SPECIFICATIONS:	460/480 Volt, 60 Cycle, 3 Phase + Neutral
AMPERAGE:	75 Amp Dedicated Line
UNIT DIMENSIONS:	126 x 71 x 79 Inches L x W x H
WEIGHT:	5512 Lbs



BOTANIQUE PRESERVATION EQUIPMENT, INC.
Phoenix, Arizona USA 85050



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MODEL FC-R 100 - 30 KW CHILLER



GENERAL DATA

30 KW CHILLER	
COOLING CIRCUITS	1
COMPRESSORS	1 – Scroll
CAPACITY CONTROL	0-100%
POWER	460/3/60
FANS	2 – Axial
CONDENSER AIR FLOW	3,590 cfm
POWER (EACH)	1.03 kW
AVAILABLE STATIC PRESSURE	0 "wc
TANK VOLUME	67 gal
LENGTH	73 in
WIDTH	30 in
HEIGHT	57 in
WEIGHT	1312 lbs
AMPERAGE	26 A

PERFORMANCE

30 KW CHILLER	
REFRIGERANT	R410A
HYDRAULIC KIT	P3
INLET WATER TEMPERATURE	90°F
OUTLET WATER TEMPERATURE	59°F
GLYCOL TYPE	25% Propylene Glycol
AMBIENT TEMPERATURE	95°F
COOLING CAPACITY	9.93 Tons 119,160 Btu/Hr
TOTAL ABSORBED POWER	12.2 kW
EVAPORATOR WATER FLOW RATE	24.7 gpm
AVAILABLE HEAD PRESSURE	37 psi
MAX AMBIENT TEMPERATURE	110°F



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