



NutriFREEZE

"Enhancing Product Quality & Profits"

**"Stainless Programmable Short Cycle"
FREEZE DRYER**

**2025
STANDARD**

**MODEL
FC-R 50 +
15 KW CHILLER**

**PRICED AT \$189,900
(110 POUNDS/16-24 HOURS)**



The FC-R Range of short cycle freeze dryers use conductive heat energy to efficiently drive ice crystals into water vapor. Conductive heat energy does not require high shelf temperatures.

This is the perfect freeze dryer for product development and small scale production.

TECHNICAL DATA

FC-R 50

Some of the key features of this unit are:

- Fast drying of 110 pounds / 50 KG of product in 16-24 hours
- Fully programmable cycle with a 19 inch touch screen HMI
- Tray area of 56 square feet / 5.2 square meters
- Shelf spacing of 1.45 inches / 3.7 CM
- Supplied with 2 sets of food grade #304 SS trays
- This freeze dryer is supplied with a 15 KW Chiller

Built to exacting specifications at our ISO:9001 Factory.

CE Certified

Onsite commissioning will be completed by a NutriFREEZE team member.

CONTROL SYSTEM:	Fully Programmable
ICE CONDENSER CAPACITY:	165 Pounds
ICE CONDENSER PERFORMANCE:	132 Lbs/24 Hrs
ICE CONDENSER TEMPERATURE:	-76°F
DEFROSTING-END OF LOAD:	Hot Gas
NUMBER OF SHELVES:	9 Shelves (18 Trays)
TOTAL SHELF AREA:	56 Sq. Ft./5.2 Sq. Meters
SHELF TEMPERATURE:	-58°F/+194°F
REFRIGERATION:	Two Stage Compressor
REFRIGERANT:	R-404A (NON-CFC)
COOLING SYSTEMS:	15 KW Chiller-Water/Glycol
VACUUM SYSTEM:	Pfeiffer Duo 35
ELECTRICAL SPECIFICATIONS:	460/480 Volt, 60 Cycle, 3 Phase, Other Voltages Available
AMPERAGE:	50 Amp Dedicated Line
UNIT DIMENSIONS:	118 x 67 x 83 Inches L x W x H
WEIGHT:	3,908 Lbs



BOTANIQUE PRESERVATION EQUIPMENT, INC.
Phoenix, Arizona USA 85050



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(10/1/25)

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MODEL FC-R 50 - 15 KW CHILLER



GENERAL DATA

15 KW CHILLER	
COOLING CIRCUITS	1
COMPRESSORS	1 – Scroll
CAPACITY CONTROL	0-100%
POWER	460/3/60
FANS	1 – Axial
CONDENSER AIR FLOW	3,590 cfm
POWER (EACH)	0.76 kW
AVAILABLE STATIC PRESSURE	0 "wc
TANK VOLUME	30.4 gal
LENGTH	52 in
WIDTH	26 in
HEIGHT	55 in
WEIGHT	765 lbs
AMPERAGE	13 A

PERFORMANCE

15 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	5.12 Tons 61,440 Btu/Hr
TOTAL ABSORBED POWER	6.33 kW
EVAPORATOR WATER FLOW RATE	12.8 gpm
AVAILABLE HEAD PRESSURE	39 psi
MAX AMBIENT TEMPERATURE	110°F



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