



NutriFREEZE

"Enhancing Product Quality & Profits"

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

**2025
STANDARD**

**MODEL
FC-R 25
+ 10 KW CHILLER**

**PRICED AT \$138,900
(55 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.

Some of the key features of this unit are:

- Fast drying of 55 pounds of product in 16-24 hours
- Fully programmable cycle with a 17 inch touch screen HMI
- Remote access via internet and direct factory support
- Fast initial freezing via conduction
- Tray area of 28 square feet
- Shelf spacing of 2.36 inches

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 25

CONTROL SYSTEM:	Fully Programmable
ICE CONDENSER CAPACITY:	88 Lbs/24 Hrs
ICE CONDENSER	66 Lbs/24 Hrs
PERFORMANCE:	
ICE CONDENSER	-67°F/-55°C
TEMPERATURE:	
DEFROSTING-END OF LOAD:	Hot Gas
NUMBER OF SHELVES:	6 + 1 (12 Trays)
TOTAL SHELF AREA:	28 Square Feet
SHELF SPACING:	2.36" Shelf Spacing (6 cm)
SHELF TEMPERATURE:	-58°F/+194°F (-50°C/+90°C)
REFRIGERATION:	Frascold Compressor
REFRIGERANT:	R-404A (non-CFC)
COOLING SYSTEMS:	10 KW Chiller-Water/Glycol
VACUUM SYSTEM:	Kurt J Lesker RV 224
ELECTRICAL SPECIFICATIONS:	240/480 Volt, 50/60 Cycle, 3 Phase + Ground
AMPERAGE:	40 /20 Amp Dedicated Line
UNIT DIMENSIONS:	82 x 59 x 86 Inches L x W x H
WEIGHT:	3,306 Lbs



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MODEL FC-R 25 - 10 KW CHILLER



GENERAL DATA

10 KW CHILLER	
COOLING CIRCUITS	1
COMPRESSORS	1 – Scroll
CAPACITY CONTROL	0-100%
POWER	230/3/60
FANS	1 – Axial
CONDENSER AIR FLOW	4,413 cfm
POWER (EACH)	0.72 kW
AVAILABLE STATIC PRESSURE	0 "wc
TANK VOLUME	30.4 gal
LENGTH	52 in
WIDTH	26 in
HEIGHT	56 in
WEIGHT	719 lbs
AMPERAGE	13A

PERFORMANCE

10 KW CHILLER	
REFRIGERANT	R410A
HYDRAULIC KIT	P3
INLET WATER TEMPERATURE	70°F
OUTLET WATER TEMPERATURE	60°F
GLYCOL TYPE	10% Propylene Glycol
AMBIENT TEMPERATURE	103°F
COOLING CAPACITY	3.6 Tons 43,200 Btu/Hr
TOTAL ABSORBED POWER	5.62 kW
EVAPORATOR WATER FLOW RATE	9 gpm
AVAILABLE HEAD PRESSURE	41 psi
MAX AMBIENT TEMPERATURE	108°F

