COREPOINT SCIENTIFIC

NSRI231WSG/0

Product Description

Ensure the quality and durability of your products with Corepoint® Scientific Temperature Test Chambers. These chambers provide a controlled temperature environment to deliver superior product testing that meets ICH Q1A standards. Improve product quality, test packaging, increase shelf life, and enhance safety with these chambers. With natural refrigerants and smart controllers, these units feature some of the most advanced technology in the industry.

Images

Certifications

General Description and Application

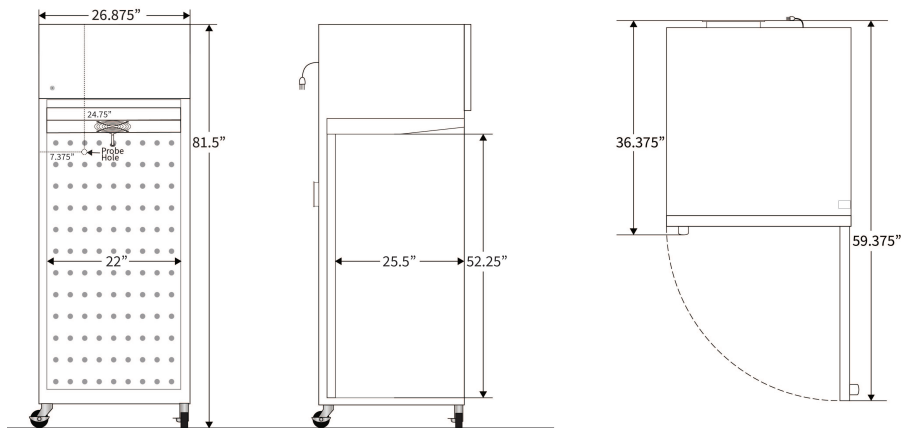|	
Storage Capacity (cu. ft):	23 cu. ft.
Door:	One glass, right hinged, self closing, magnetic door gasket for positive seal
Shelves:	Three stainless steel, sliding tray shelves
Drawers:	Not-applicable
Mounting and Installation:	Four swivel casters (3 1/2"), front casters locking
Interior Lighting:	Shielded, switched interior LED lighting
Airflow Management:	Plenum air distribution
External Probe Access:	Probe access port (3/4")
Insulation:	High density urethane foam cabinet and door insulation
Exterior Materials:	Powder coat steel
Access Control:	Keyed door lock
General Warranty:	Eighteen (18) months parts and labor warranty
Compressor Warranty:	Five (5) year compressor parts warranty
Product Weight (lbs):	356 lbs.
Shipping Weight (lbs):	396 lbs.
Rated Amperage:	12 Amps
Power Plug/Power Cored:	NEMA 5-15P conforms to UL471 requirements
Facility Electrical Requirement:	115VAC/60Hz
Agency Listing and Certification:	ETL Listed

Performance

Uniformity (Cabinet Air):	+/- 1°C from 4°C to 60°C
Stability (Cabinet Air:)	+/- 0.5°C maximum from 4°C to 60°C
Temperature Control:	+/-0.1°C
Temperature Setpoint Range:	4°C to 60°C
Disclaimers:	Specifications are subject to change. For optimal uniformity at set points above 50°C, settings adjustments may be required based on load conditions and chamber configuration.

Refrigeration System

Compressor:	Top mounted, variable speed compressor
Refrigerant:	HFC-free refrigerant (R600a)
RH sensor Type:	Capacitive
Temp sensor Type:	NTC
Other:	Multi-element, independent proportional electric heating, condensate evaporation.

Controller, Configuration, Alarms and Monitoring

Controller Technology:	Proportional Integral Derivative (PID) microprocessor with LCD display, °C/°F switchable
Battery Backup:	Controller
Display Technology:	LCD display
Digital Communication:	RS-485 (MODBUS)
Data Transfer:	USB port for data transfer and software updates
Chart Recorder:	Not-applicable
Adjustable Temperature Range:	4°C to 60°C
External alarm connection:	State switching remote alarm contacts
Alarms:	Visual alarm indicator, audible alarm indicator, process phase specific temp alarm, power failure alarm, sensor failure alarm
Controller Information:	Programmable ramp and soak USB data port Real time clock Event logs: 100 Process phase specific temp alarm

Dimensions

	Width (in.)	Depth (in.)	Height (in.)	Door Swing (in.)	Total open Depth (in.)
Exterior	26.875"	36.375"	81.5"	23"	59.375"
Interior	22"	25.5"	52.25"		

Contact