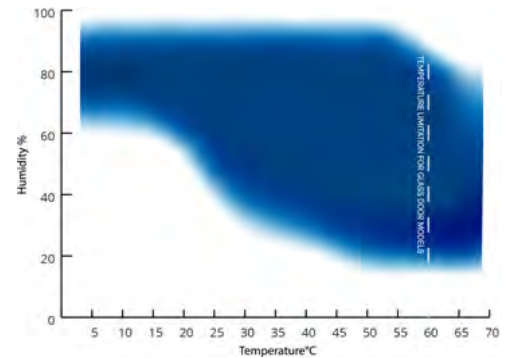


NSRI723WSG/0H
Product Description

Ensure the quality and durability of your products with Corepoint® Scientific Humidity Stability 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 ultrasonic humidification, these units feature some of the most advanced technology in the industry.

Images

Temperature Chart*

Certifications

General Description and Application

| | |
|-----------------------------------|---|
| Storage capacity (cu. ft): | 72 cu. ft. |
| Door: | Three glass right and left hinged, self closing, magnetic door gasket for positive seal |
| Shelves: | Nine stainless steel, sliding tray shelves |
| Drawers: | Not-applicable |
| Mounting and Installation: | Six 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) years compressor parts warranty |
| Product Weight (lbs): | 758 lbs. |
| Shipping Weight (lbs): | 910 lbs. |
| Rated Amperage: | 12.4 Amps |
| Power Plug/Power Cord: | 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 |
| Humidity Stability: | +/- 3% RH |
| Temperature Setpoint Range: | 4°C to 60°C |
| Humidity Setpoint Range: | 10% to 95% RH |
| Humidity Control: | +/- 0.1% RH |

Disclaimers:

10-60 PSI demineralized water supply required and floor drain access.
 Specifications are subject to change

Humidity Variation

+/- 3% @ +4°C to +70°C* and RH within performance graph. Humidity variation is derived from the maximum deviation of the humidity sensor during the test period.*

Temperature Uniformity

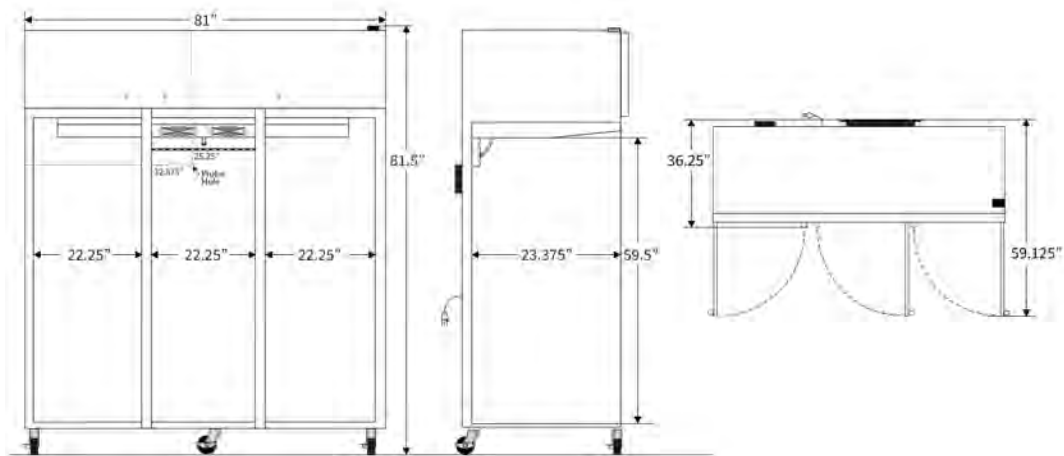
+/- 1°C @ +4°C to +60°C. Uniformity is determined by measuring the maximum deviation across 9 thermocouples placed on 3 horizontal planes. Each plane contains thermocouples evenly spaced diagonally from the left and right inner walls, with the central sensor positioned at the approximate geometric center of the shelf.*

*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: | EPA SNAP compliant, R290 |
| RH sensor Type: | Capacitive |
| Temp sensor Type: | NTC |
| Other: | Multi-element, independent proportional electric heating , ultrasonic humidification, 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, process phase specific humidity alarm, power failure alarm, sensor failure alarm |
| Controller Information: | <ul style="list-style-type: none"> Programmable ramp and soak Process phase graphic animations USB data port Real time clock Event logs: 100 Process phase specific temp alarm Process phase specific humidity alarm |

| Dimensions | | | | | |
|------------|-------------|-------------|--------------|------------------|------------------------|
| | Width (in.) | Depth (in.) | Height (in.) | Door Swing (in.) | Total open Depth (in.) |
| Exterior | 81" | 36.25" | 81.5" | 22.875" | 59.125" |
| Interior | 66.75" | 23.375" | 59.5" | | |



| Contact | | |
|-------------------|---------------------------------------|--|
| Customer Service | 800-648-4041 Option 3 | customerservice@horizonscientific.com |
| Technical Service | 800-648-4041 Option 5, Parts Option 4 | technicalservice@horizonscientific.com |

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