



Industrial Freezer Sales

A division of IDS

5311 Derry Avenue Building D Agoura Hills CA 91301

Phone (818) 597-4300 Fax (818) 597-4301

www.freezerlink.com

HSCRI-1S24 Test Cabinet with Humidity Component SCRI-1S24 Test Cabinet WITHOUT Humidity - Test Only

Unit External Dimensions:

27-1/2"W x 34-7/8"D x 79-5/8"H

Unit Internal Dimensions:

23-1/2"W x 30"D x 59"H

24 cubic feet, 1 solid door

Voltage: 115/208-230V/1PH 60HZ

Plug Type L-14-20P

Shipping weight: 382 lbs.

Crated Weight: 407 lbs.

Standard HSCRI and SCRI-1S24

Test Chamber Features:

- Programmable logic microprocessor controller with LCD Control Panel with message center, 4 x 20 character LCD display.
- Humidity control.
- Continuous product temperature display.
- Air probe with air temperature Hi/Lo alarms audible & visual.
- Programmable ramp soak feature.
- 2 levels of user password protection (set points and parameters).
- 100 event alarm logging including Date/Time Stamp and product temperatures stored in nonvolatile Flash memory.
- Integrated Hi/Lo alarm tests.
- Door ajar alarm with adjustable delay time period.
- Power failure alarm.
- Remote alarm contacts.
- Stainless steel interior.
- Coated evaporator.
- Key lock door and casters.
- Interior drain with plug.
- Exterior finish of heavy gauge steel painted with white scratch resistant baked enamel.
- 3 epoxy coated wire shelves.
- Thermostatically controlled door frame heater.
- Industrial quality refrigeration system.
- Streamlined refrigeration design optimizes air flow and temperature uniformity
- Complete cabinet is foamed-in-place with CFC Free high density polyurethane foam insulation.
- **SCRI** Operating range temperature: 4° C to 70° C;
- **HSCRI** Operating range **with humidity control:** 5° C to 60° C.





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Standard HSCRI and SCRI-1S24 Test Chamber Features (continued)

- **Warranties:** 18 months parts and labor, 5 year compressor (US and Canada) 18 months parts (International).
- **UL, C-UL, CE Mark.**

Test Chamber Options:

- Temperature chart recorder & chart paper 2 pen
- Electrical duplex outlet
- RS485 communication output
- Access port 2" with sleeve and cover
- Sensor access port 1" diameter
- Shelf with clips
- Stainless steel exterior
- 4-20 MA output (temperature only)
- Export crating

Performance Ratings

SCRI-1S24 Temperature Test Chamber:

Temperature Variation: +/-0.5°C @ 4°C to 70°C. The published temperature variation is derived from the maximum deviation of the thermocouple located nearest the chamber geometric center during the entire test period. (i.e. 25.0°C min and 26.0°C max divided by two would be a variation of +/-0.5°C).

Temperature Uniformity: +/-1°C @ 4°C to 70°C.. The published temperature uniformity is derived from the maximum deviation of 9 thermocouples are placed on 3 horizontal planes, each plane having the thermocouples evenly spaced diagonally across the shelf from the left and right inner wall, and the middle sensor placed in the approximate geometric center of the shelf.

Performance HSCRI-1S24 Humidity and Temperature Test Chamber

Humidity Variation: +5% @ 5°C to 60°C and RH within performance graph. Humidity variation is derived from the maximum deviation of the humidity sensor during the test period.

Performance data is based on 23°C, 50%RH ambient conditions, type T-24 Ga. thermocouples with 1.0oz. Brass slugs attached and no product in the chamber. Data may vary if; ambient conditions change, product load is added, or other changes cause interference to chamber airflow.



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Humidification / Dehumidification: (HSCRI-1S24 continued)

Relative humidity is induced by a highly efficient centrifugal atomizer with a sealed motor and low maintenance reservoir. Dehumidification is achieved by the use of a separate dehumidification latent coil. Both systems are precisely controlled by the programmable logic microprocessor. The humidity controller utilizes a dry capacitance type sensor for rapid response to humidity changes with exceptional accuracy. The humidifier requires a water source with low mineral content; i.e., resistance of 0.5 - 1.0 megohm and a pressure of 10 – 100 psi. Reverse osmosis treated water is recommended. Water supply connection requires 1/4" plastic or copper tubing.

Specifications (Both Units)

Crated Height (in) (cm):	83" (211)
Crated Width (in) (cm):	31-7/8" (81)
Crated Depth (in) (cm):	38-7/8" (98)
Crated Weight (lbs) (kg):	407 (184)
Interior Height (in) (cm):	59" (149)
Interior Width (in) (cm):	23-1/2" (59)
Interior Depth (in) (cm):	30" (76)
Overall Height (in) (cm):	79-5/8" (202)
Overall Width (in) (cm):	27-1/2" (69)
Overall Depth (in) (cm):	34-7/8" (88)
Gross Cubage (ft.3) (m3):	24 (0.6)
Shelf Area (sq. ft.) (m2):	12.8 (1)
Number of Shelves:	3
Number of Casters:	4
Condensing Unit Size:	1/3 HP
Refrigerant:	R-134a
Maximum Fuse Size Amps:	15
Total Amp Draw:	11.7

Dimensions (Both Units)

