



NSW-175, HCS-1 Ultra-Low-Humidity Controlled Cabinet



NSW INDIA Humidity Controlled Cabinet is an enclosure with a supply of desiccant which maintains an internal environment of 0%-50% RH. Desiccant dry cabinets are also called: desiccators, dry boxes, dehumidifying cabinets, and ultra-low humidity storage cabinets.

Narang Scientific Works Pvt. Ltd. is the leading manufacturer with expertise's in design and engineering and end to end range of solutions and a penchant for customer service. NSW provides best-in class technology for customers worldwide.

DOORS

6 doors on front side

Doors shall be fitted with rugged handles with keys.

Doors have heavy duty reliable hinges.

It shall be possible to lock each door independently

NO. OF SHELVES- shall be 5 Nos of adjustable stainless-steel shelves

NARANG SCIENTIFIC WORKS PVT. LTD.

(Manufacturers & Exporters)

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WHO GMP
compliant company



SHELF ARRANGEMENT - There shall not be any horizontal/vertical separators inside the chamber other than adjustable shelves. It shall be possible to load the chamber with any item of height less than the maximum height of the chamber (i.e.

SHELF TYPE Shelves shall be movable with adjustable clamp in order to adjust vertical position
Effective Air Circulation Shelves shall be perforated design with small vent holes for effective air circulation inside the cabinet

SHELF COVERAGE Shelves shall be cover the breadth & depth of cabinet so that stored items shall not fall from rack

WRIST STRAP - ESD wrist strap connection preferred in front of the cabinet. Wrist strap shall be supplied with each item

GROUNDING - Grounding line shall be provided at the back of cabinet to properly ground the same

DOORS AND KEYS: Shall be independent doors and independent lock for each shelf

CONTINUOUS DEHUMIDIFICATION: Shall be Electric Dry units along with one control box to be present inside cabinet so that moisture is absorbed at all times.

SPEEDY DEHUMIDIFICATION: The humidity level control Shall be by means of drying agents. The drying agent Shall be recycling for 1 hour in every 6 hours. Drying agent should not require any maintenance.

WHEELS 4 Nos of ESD safe heavy duty large size castor wheels capable of supporting minimum 700kg and with locking provision shall be there for easy movement of the chamber

Parameter	Value
Make	NSW INDIA
Model	NSW-175, HCS-1
Volume	1400
External Dimensions	W X DX H 1260 X1840X 690 mm
Internal Dimensions	W X D X H 1200 X 1710 X 650mm
Number of sections	6
Load capacity, kg	100kg
Humidity range	HUMIDITY RANGE: 0-50% RH/1 to 10%/20-60% AND HAVE PROVISION TO SET TO REQUIRED HUMIDITY LEVEL.

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Humidity Control Accuracy	± 3% RH
Digital Panel	Digital Panel with High Precision temperature
Remote monitoring of temperature and humidity	Yes
Number of Adjustable Shelf	5, Material: Stainless steel
Number of Doors	Six With Transparent Glass
Cabinet and door Finish	Black colour with ESD Coatings
ESD Safe	ESD Safe with One Mega Ohms. ESD Grounding to be provided
Body Material	Steel body with antistatic coating along with glass window.
Number of Electronic dry unit	2 Units
No.of dessicators	Four dessicators for fast recovery to set humidity ,after chamber is opened Moisture release Moisture absorbed by dessicant shall be released outside of the cabinet automatically
Indoor Light	Yes
Alarm	Alert/Warning Alert/Warning indication required if humidity is outside the tolerance of set value or if unit malfunctions
Wheels	4 number of casters with 2 stoppers
Max. power consumption	210-240 watt-hour in regeneration phase, 20-30 watt-hour in storage phase
Supply voltage	230 +/- 10%
IP protection class	IP55
Finish	Black Color with ESD Safe

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