



# DESICCATORS



# DESICCATORS

Our desiccators (dry boxes) provide a high-quality and durable construction. They are designed to meet your dry storage requirements while maintaining humidity levels as low as 5%RH.

Desiccator cabinets and inert atmosphere cabinets create sealed compartments that hold parts dry or nitrogen environment. They create a controlled environment for long-term storage of parts, or material that will degrade when left in a normal atmosphere.

Store your moisture-sensitive items in a desiccator. These sealable dry chambers are available in stainless steel or plastic and can be outfitted with a number of different accessories.

## MATERIALS

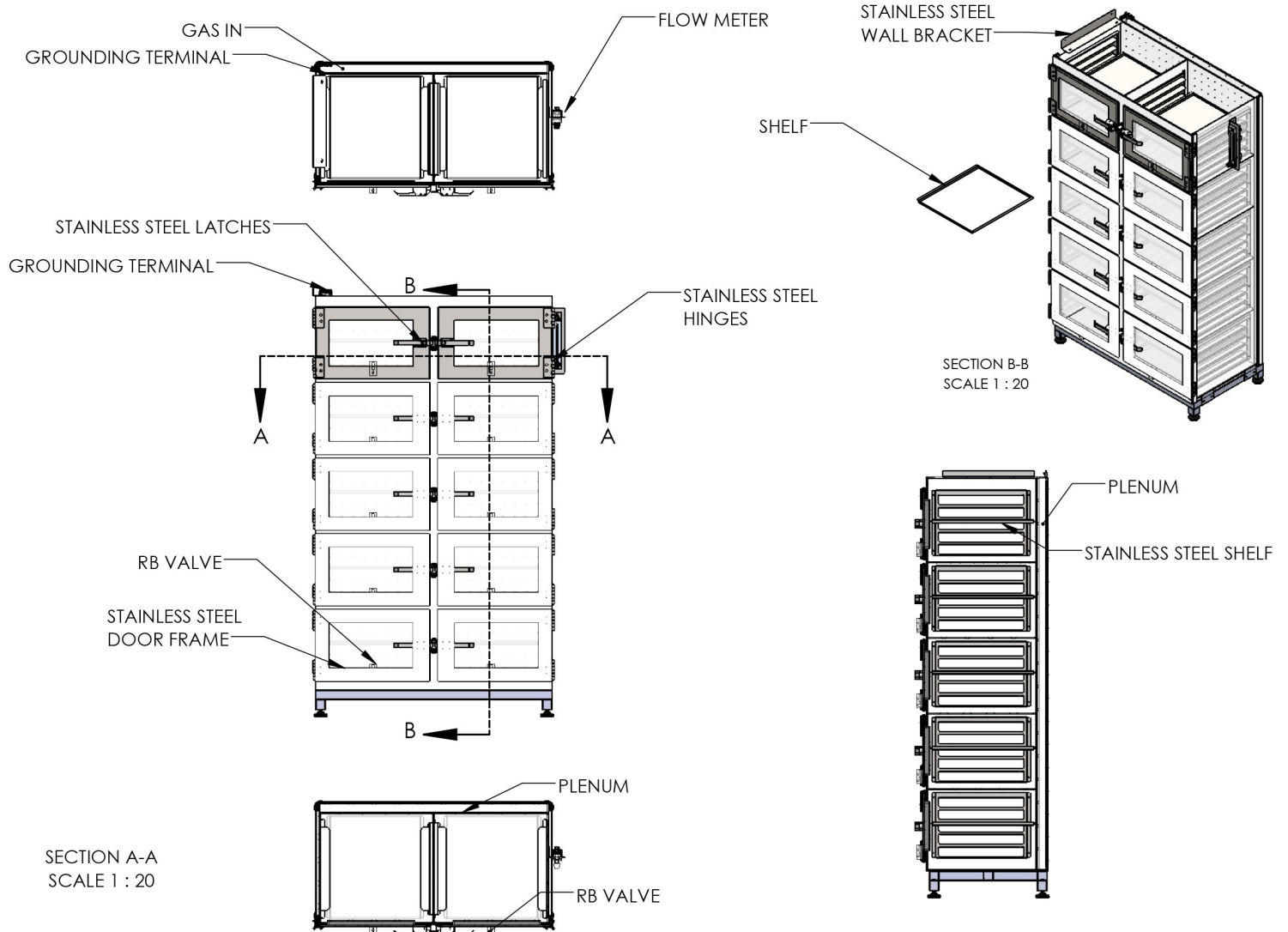
- **Acrylic:** Full visibility and outstanding tensile strength. These economical panels are lightweight and easy to clean. Acrylic is not recommended for use with alcohol or other strong cleaning agents.
- **Static Dissipative PVC:** this loads safely to the ground surface, protecting against the potential damage from ESD (electrostatic discharge) and particle pollution. Dissipative layers are molecularly embedded for optimum durability.
- **Polycarbonate:** resists many common acids, solvents and cleaning solutions. Its high tensile strength makes it shatter resistant.
- **Polypropylene:** provides resistance to acids and other chemicals.
- **Stainless Steel:** Provide excellent corrosion resistance, easy cleaning and disinfecting. They also operate well in harsh environments.

AVAILABLE IN 1,2,3,4,6,7 AND 8 CHAMBER CABINETS

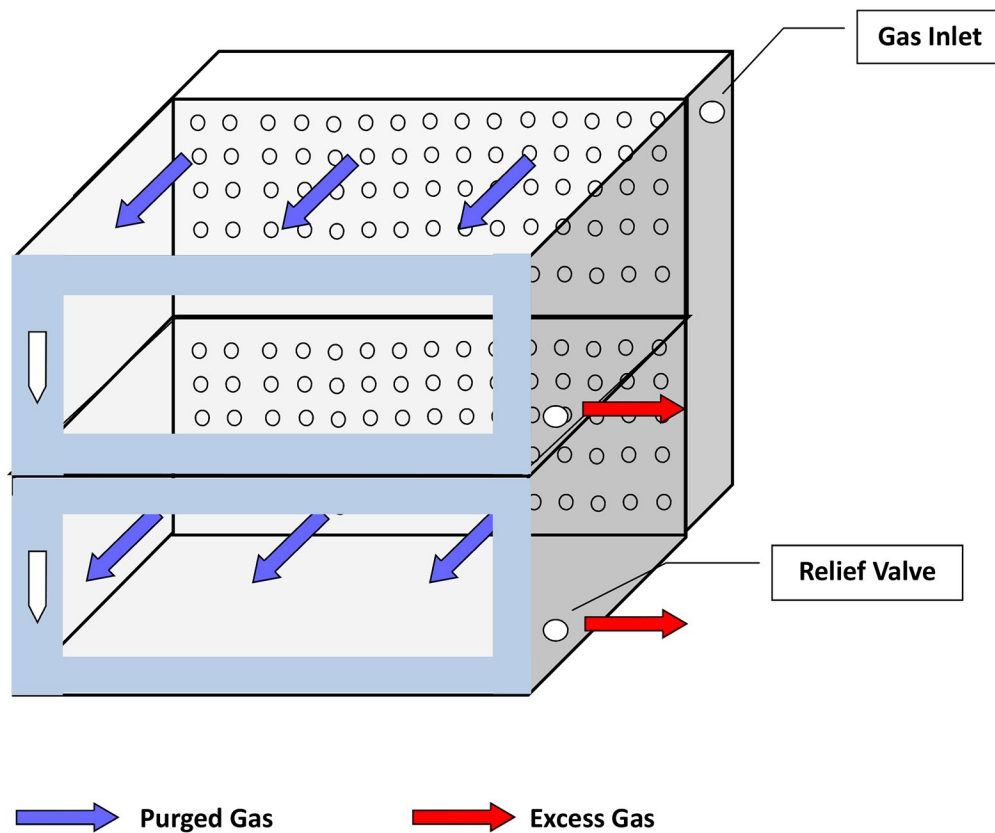
## HUMIDITY CONTROL

- **Flowmeter:** Gas regulators for low-volume flows; they are suitable for total pressures of up to 100 psig and temperatures to 150°F (66°C). Flow ranges (SCFH) = 0.6 –5, 1 –10, 2 –20.
- **Humidity Control System:** For a time-saving and economical approach to efficient dry storage, the Humidity Control System not only eliminates worker supervision over delicate materials in desiccator chambers, but is also proven to save up to 78% in nitrogen expenses! Set-point can be established for applications requiring a specific level and the recovery time is shortened. Personnel can program the humidity control system and let the auto-purging operation do the rest.

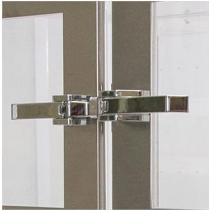






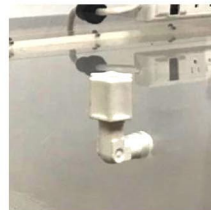


## Standard:



### Stainless Steel Latches

Stainless steel latches are standard, with security upgrade options available .



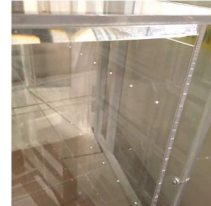
### Relief Valve

Automatic relief bleed valves provide one-way pressure relief to sustain desired settings. Various sizes and base materials available.



### Reinforced Doors

Stainless steel framed doors with integrated gasket to prevent out-gassing.



### Rear Plenum for Gas Distribution

Rear perforated plenum for uniform balanced gas distribution

## Optional:



### Stainless Steel Shelves and Trays

Adjustable stainless-steel trays are available solid surface and perforated fit our stainless-steel rack system.



### Flowmeter

Easy to read 1-10 SCFH, 2" scale flowmeters tolerate temperatures to 150F, and pressures to 100psig.



[www.sapphirecleanrooms.com](http://www.sapphirecleanrooms.com)  
[sales@sapphirecleanrooms.com](mailto:sales@sapphirecleanrooms.com)  
(714) 316-5036