



# NITROGENEMA II™

## NEXT LEVEL LOW-MOISTURE CONTAINMENT

- Containment for reactive materials that are sensitive to moisture and oxygen levels.
- Maintains relative humidity (RH) below 2% and oxygen (O<sub>2</sub>) below 1%.
- Positive pressure system using nitrogen to reduce RH/O<sub>2</sub> within the workspace.
- Connects to house exhaust with dual-HEPA filters to prevent exhaust system contamination.



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# WORLD LEADER IN CONTAINMENT SOLUTIONS.



## PROCESS

Dispensing/weighing pyrophoric substances, reactive substances, and other materials that react adversely to oxygen mixing.



## CONTAINMENT

This unit protects your process or application by nearly eliminating all moisture or oxygen with the flow of inert gas.



## EQUIPMENT

Quick purge system reduces the amount of time it takes to purge the interior. Reduces downtime for cleaning procedures.

## SAFETY & DESIGN

The Nitrogenema II™ offers a stable dry interior containment solution using a continuous nitrogen purge. Nitrogen helps eliminate moisture and keeps the interior workspace dry to protect sensitive materials. Designed using American Glovebox Society (AGS) guidelines, the Nitrogenema II™ aims to minimize arm, wrist, and shoulder fatigue. This unit's features include HEPA filtration, a one-way check valve, and the ability to connect to a house exhaust system using a thimble connection.

### APPLICATIONS

The Nitrogenema II™ protects against applications that involve handling pyrophoric substances, reactive substances, and other materials that react adversely to oxygen.

### STRUCTURAL MATERIALS

The standard structure is made of white polypropylene with acrylic viewing panels. The chemically resistant phenolic base offers a channeled edge to maintain spills within the containment zone. Can be constructed using static dissipative materials upon request.

### LARGE FRONT DOOR

The pneumatic-assisted door opens to create a large face opening. This facilitates equipment loading during installation and decontamination when removing equipment.

### QUICK PURGE SYSTEM

A quick-purge valve allows the rapid purging of the enclosure to minimize downtime when switching campaigns or cleaning the enclosure.

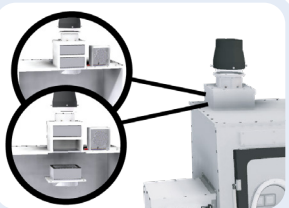
### HEPA FILTRATION

This unit is equipped with a set of primary and secondary HEPA filters. The double-stack design keeps contaminants out of the exhaust system. An interior access panel allows the safe change-out of filters under containment.

### STANDARD SIZES

Available in 3', 4', and 5' with two exhaust options to best suit your application. All units are 28" internal depth and 29" internal height. Custom sizes available.

**PRIMARY HEPA FILTER CAN  
BE CHANGED WITHOUT  
BREAKING CONTAINMENT.**



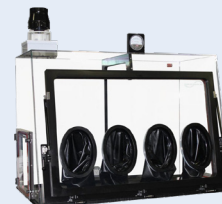
## HAVE A QUESTION OR NEED A QUOTE?

Please feel free to contact us online at [www.flowsciences.com](http://www.flowsciences.com) or call 1-800-849-3429. We are here to help you find the containment solution that best suits your needs and applications!

## TASK MATCH

BY FLOW SCIENCES, INC.

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Visit [flowsciences.com/taskmatch](http://flowsciences.com/taskmatch) and search for 11179-01 to see this Electron Microscopy Enclosure and more examples.

*\*Containment capabilities dependent on standard operating procedures (SOPs).*