



PHARMAGARD™ 797

CREATING A SINGLE SOURCE SOLUTION TO ENSURE THE ACCURACY
AND STERILITY OF COMPOUNDED PHARMACY PRODUCTS

Using Barrier Isolators for Sterile Compounding to ensure the accuracy and sterility of compounded pharmacy products.

New Standards and Guidelines

The United States Pharmacopeia [USP] published USP Chapter 797, Pharmaceutical Compounding-Sterile Preparations. This standard details regulations for almost every aspect of operations for compounding pharmacy prepared products. These standards pertain to "Quality Assurance Programs", "Quality Assurance Practices", "Facilities and Equipment", and "Environmental Control and Monitoring Programs".

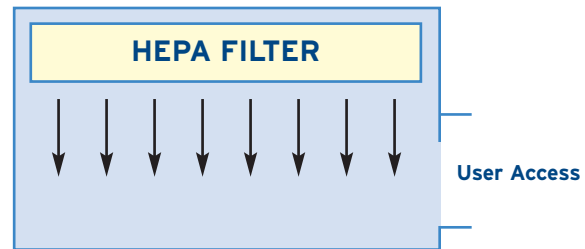
The National Institute for Occupational Safety and Health [NIOSH] published an "Alert" for Preventing Occupational Exposures to Antineoplastic and Other Hazardous Drugs in Health Care Settings. This document contains guidelines recommending procedures for the preparation and safe handling of hazardous drugs.

Barrier Isolator Systems. Save Time. Save Money.

- Savings in both hard costs and soft costs—lower startup, construction and operating costs
- Saving individual and organizational time, contributing directly to productivity
- More effective teamwork among peers within the pharmacy
- Lower training costs and better access to training by more personnel
- Review documents from any compounding procedure with ease

Preventing Contamination

True Laminar Airflow / Unidirectional Airflow



Features:

Air moving along parallel lines at the same velocity

Benefits:

Creates energy-efficient, non-turbulent work area

Advantages:

Minimizes cross contamination within the work area and creates a clean environment [ISO Class 5] utilizing laminar unidirectional airflow. Provides an optimal environment for the use of proper aseptic techniques.

HEPA Filtration

The most important design feature of any isolator is the HEPA [High Efficiency Particulate Air] filter and how well the filters work within the system. Our individually selected HEPA filters are larger, contain more surface area, and work well within the isolator design to provide an even distribution of air across the filter and through the work area.

Aseptic Techniques

Engineering controls, like the Isolators, are only a tool. Properly balanced and properly used Isolators will do an excellent job of controlling airborne contamination, but the Isolator will not eliminate contact transmission of contamination. Standard pharmacy contamination control procedures [SOP's] and basic aseptic techniques are necessary to obtain maximum benefits from the isolator.





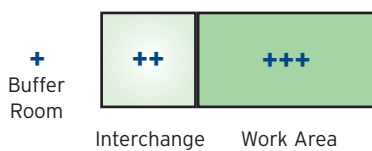
PharmaGard™ PR



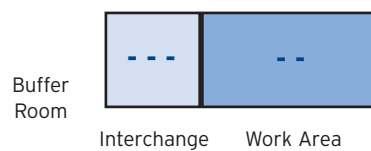
PharmaGard™ NR / NTE

Levels of Protection

The **PharmaGard PR** creates a **positive pressure** clean air [ISO Class 5] controlled environment specifically for aseptic compounding of *non-hazardous drugs*. The HEPA filtered work area maintains a positive air pressure relative to the interchange compartment, which operates at a positive air pressure relative to the surrounding room. These two levels of protection minimize the possibility of contamination migrating into the work zone.



The **PharmaGard NR** and **NTE** create a **negative pressure** clean air [ISO Class 5] controlled environment for the aseptic compounding of *hazardous drugs*. The HEPA filtered work area maintains a negative air pressure relative to the interchange compartment, which operates at a negative air pressure relative to the surrounding room. These levels of protection minimize the possibility of chemotherapy agents or other hazardous materials migrating from the work area into the surrounding room as well as minimizing the possibility of contamination migrating into the work zone.



Best Sources for Sterile Compounding information:

USP Chapter 797: www.usp.org

American Society of Hospital Pharmacists: www.ashp.org/sterilecpd/

NIOSH Alert: www.cdc.gov/niosh/docs/2004-165/

10 FEATURES AND BENEFITS

1) Centrally Located Control Center

The instrument Control Center is centrally located and protected by an easy-to-clean moisture-proof membrane. All functions are indicated by easy to identify icons. Two mini-helic pressure gauges are standard—one reads pressure in the interchange compartment and the other reads pressure in the work area.

2) Interior IV Bar

The stainless steel IV Bar can be set at two different heights within the work zone. Six stainless steel hooks are also provided.

3) Large Glove Ports with Two-part Flexible Work Gloves

The Isolator utilizes Nitrile® sleeves and gloves. Nitrile® is flexible, not prone to induce allergic reactions, resists punctures, and dissipates electrostatic charge. The glove can be removed from the sleeve, and the sleeve from the glove port.

4) Easy Access to Chambers

The Isolator has a large interchange door. An interior sliding access door is opened through the glove ports to allow access to the work area. The main chamber can be locked for security (on the NR and NTE models).

5) Choice of Setup

The Isolator can be:

- A. Completely mobile and adjustable with motorized castered base stand
- B. Mounted on a telescoping base support stand
- C. Placed on an existing cabinet with optional cabinet-top stand



6) The PharmaGard is available in both nominal 4 and 6 foot models

Custom widths or configurations are also available, contact NuAire for details.

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7) Stainless Steel Construction

The PharmaGard Isolator is constructed using stainless steel. The seamless interior and exterior are durable, prevent leaks, and are easy to clean.

8) The PharmaGard Provides Flexibility

The optional electric Auto-Lift allows for quick and easy height adjustments. The adjustable automatic base support stand with casters allows the isolator to be moved from space to space.

9) The PharmaGard is Easy to Clean and Maintain

Parts of the PharmaGard commonly in contact with users, drugs, or compounds are easily accessed or removed without tools for cleaning. The IV bar and stainless steel work surface trays in both the main chamber and interchange compartment can be lifted out of the unit or held in the raised position using the support rods for access to the air plenum and air plenum filter. HEPA filters can be replaced from the front of the unit, and the pre-filter can be removed from the top of the unit.

10) Ergonomic Features

An Isolator designed with the ergonomic needs of the user in mind is safer and more efficient to operate. Ergonomic features of the PharmaGard include a large viewing window to improve sight lines while reducing glare and reflections. Large oval glove ports in the viewing window provide forearm support and are positioned to provide easy access to all parts of the work surface. A two-piece sleeve / glove combination helps provide a greater range of motion and the interchange compartment pass-through door is positioned for easy access.







The PharmaGard PR797

Positive Pressure Recirculating
Barrier Isolator meets USP Std. 797

The NuAire Difference

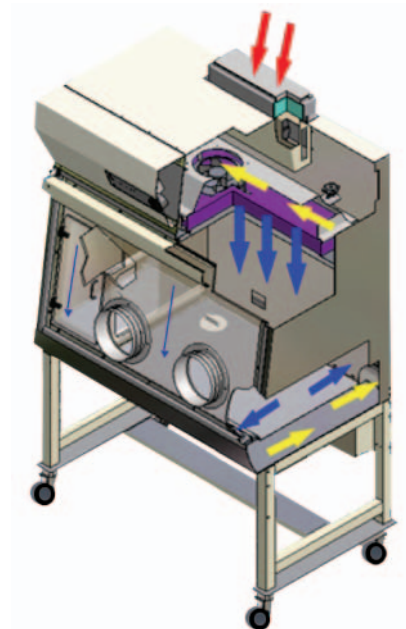
- Class 100 [ISO Class 5] clean air work area 99.99% HEPA filter
- True Laminar Airflow minimizes air turbulence / cross contamination
- 20 air changes per minute
- Excellent visibility into work area-expanded vision zone
- Two-part flexible work gloves
- Large glove ports allowing a larger range of motion- ergonomically enhanced
- Removable stainless steel work trays
- External cool white lighting reduces glare and interior heat build-up
- Large interchange with sliding door
- Hinged access window offers complete access to work zone to facilitate easy cleaning
- Interior IV bar with two settings
- Fresh air enters cabinet through intake HEPA filter
- Mobile and adjustable with optional castered base stand
- Ability to sit or stand at a range of heights



PharmaGard PR797 intake HEPA filter

The PR797 Airflow System

The PharmaGard PR797 Positive Pressure Barrier Isolator features a work area which maintains a slightly higher pressure than the surrounding room. The positive pressure work area and HEPA-filtered source air intake ensure a sterile work environment. The intake HEPA filter is protected by a removable washable pre-filter to extend the life of the primary filter.



Please note that performance specifications vary for models and types. Please consult NuAire for exact performance specifications.



Optional Motorized Base Stand



The optional motorized base stand allows the PR797 to be repositioned to allow users to sit or stand as well as accommodate users of different heights.

Waste / Sharps Disposal System



The PharmaGard PR797 Positive Pressure Barrier Isolator features an integral waste-disposal system that is accessible from within the work area. Contaminated waste or used sharps can be dropped through a stainless steel chute into standard containers without compromising the positive pressure containment of the work area.

NU-PR797 Specifications

Airflow Control System

Motor Speed Control

Supply blower speed is regulated by solid-state motor voltage regulator.

Supply HEPA Filter

Full size, covers both work zone and interchange, separatorless HEPA 99.99% @ 0.3 micron efficiency.

Intake HEPA Filter

Separatorless HEPA 99.99% @ 0.3 micron efficiency.

Utility Connections/Installation

Electrical Requirements:

115 Vac, 60 Hz, 1 Phase, 8 amp maximum. Supplied with Hospital Grade power cord/plug. Interior duplex outlet provided (3 amp max. load). Optional motorized base stand is provided with separate power cord/plug. Requires 115 Vac, 60 Hz, 1 Phase, 3 amps.

Heat Rejected:

NU-PR797-400

539 BTUs / hour

NU-PR797-600

880 BTUs per hour

Dimensions (Height x Width x Depth)

NU-PR797-400

Work Zone Interior Dimensions:

27³/₈" x 35¹/₄" x 24"

Interchange Dimensions:

27³/₈" x 14¹/₈" x 24"

Exterior Dimensions: *

52¹/₈" x 50" x 32¹/₂"

Minimum Exterior Dimensions w/Optional Motorized Base Stand:

81¹/₂" x 54¹/₂" x 32¹/₂"

Interior Transfer Door Dimensions:

14" x 8³/₄"

Exterior Transfer Door Dimensions:

18" x 8¹/₂"

NU-PR797-600

Workzone Interior Dimensions:

27³/₈" x 59¹/₄" x 24"

Interchange Dimensions:

27³/₈" x 14¹/₈" x 24"

Exterior Dimensions: *

52¹/₈" x 74" x 32¹/₂"

Minimum Exterior Dimensions w/Optional Motorized Base Stand:

81¹/₂" x 78¹/₂" x 32¹/₂"

Interior Transfer Door Dimensions:

14" x 8³/₄"

Exterior Transfer Door Dimensions:

18" x 8¹/₂"

Shipping

NU-PR797-400

Net Weight:

425 lbs / 193 kg.

Net Weight w/Optional Motorized Basestand:

575 lbs / 261 kg.

Crated Weight:

475 lbs / 220 kg.

Crated Weight w/Optional Motorized Base Stand:

625 lbs. / 288 kg.

NU-PR797-600

Net Weight:

575 lbs / 261 kg.

Net Weight w/Optional Motorized Base Stand:

735 lbs / 334 kg.

Crated Weight:

475 lbs / 220 kg.

Crated Weight w/Optional Motorized Base Stand:

785 lbs / 357 kg.

Standard Features:

- Full Size Supply HEPA Filter
- External Fluorescent Lighting
- Front Filter Servicing
- Hinged Slanted Window
- ³/₈" Thick Scratch-Resistant Polycarbonate Window
- Removable Work Tray w/Holder
- IV Bar w/2 Positions
- Large Oval Glove Ports
- Flexible Two-Piece Nitrile Sleeve/Glove
- Solid-State Motor Voltage Regulator

Optional Features:

- Motorized Adjustable Base Stand w/Casters or Leg Levelers
- Fixed Telescoping Base Stand w/Leg Levelers
- Bench Mount
- Waste/Sharps Disposal System, Small or Large
- Cord Pass-Through
- Pull Out Accessory Tray
- Pull Out Shelf
- PharmaGard Digital Monitor
- Custom Options Available

* Exterior width dimension will increase 3¹/₂" minimum for base stand

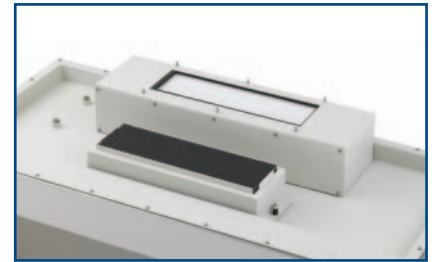


The PharmaGard™ NR797

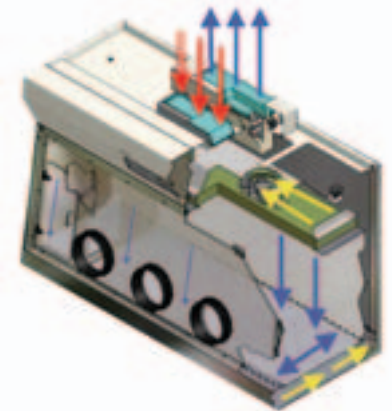
Negative Pressure Recirculating Barrier Isolator meets USP Std. 797

PharmaGard NR Airflow System

Ten [10%] percent of the total system's airflow enters the cabinet through the prefilter and intake HEPA filter from the top of the cabinet (red arrows). Ninety [90%] percent of the cabinet's air is recirculated within the cabinet (yellow arrows). The air returned to the room and the downflow air within the work area is HEPA filtered (blue arrows).



PharmaGard NR797 HEPA filter configuration



NU-NR797 Specifications

Airflow Control System

Motor Speed Controls

Supply and exhaust blower speeds are regulated by independent solid-state motor voltage regulators.

Supply HEPA filter

Full size, covers both work zone and interchange, separatorless HEPA 99.99% @ 0.3 micron efficiency.

Exhaust HEPA Filter

Separatorless HEPA 99.99% @ 0.3 micron efficiency.

Intake HEPA Filter

Separatorless HEPA 99.99% @ 0.3 micron efficiency.

Utility Connections/Installation

Electrical Requirements:

115 Vac, 60 Hz, 1 Phase, 8 amp maximum. Supplied with Hospital Grade power cord/plug. Interior duplex outlet provided (3 amp max. load). Optional motorized base stand is provided with separate power cord/plug. Requires 115 Vac, 60 Hz, 1 Phase, 3 amps.

Exhaust Requirements:

Nuaire strongly recommends per NIOSH, OSHA and ASHP that the isolator be exhausted using a canopy transition.

NU-NR797-400: 65 cfm @ 0.1 w.g.

NU-NR797-600: 75 cfm @ 0.1 w.g.

Heat Rejected:

NU-NR797-400
795 BTUs / hour

NU-NR797-600
1136 BTUs per hour

Dimensions (Height x Width x Depth)

NU-NR797-400

Work Zone Interior Dimensions:
27³/₈" x 35¹/₄" x 24"

Interchange Dimensions:
27³/₈" x 14¹/₈" x 24"

Exterior Dimensions: *
52⁵/₈" x 50" x 32¹/₂"

Minimum Exterior Dimensions w/Optional Motorized Base Stand:
81³/₄" x 54¹/₄" x 32¹/₂"

Interior Transfer Door Dimensions:
14" x 8³/₄"

Exterior Transfer Door Dimensions:
18" x 8¹/₂"

NU-NR797-600

Work Zone Interior Dimensions:
27³/₈" x 59¹/₄" x 24"

Interchange Dimensions:

27³/₈" x 14¹/₈" x 24"

Exterior Dimensions:*
52⁵/₈" x 74" x 32¹/₂"

Minimum Exterior Dimensions w/Optional Motorized Base Stand:
81³/₄" x 78¹/₄" x 32¹/₂"

Interior Transfer Door Dimensions:
14" x 8³/₄"

Exterior Transfer Door Dimensions:
18" x 8¹/₂"

Shipping

NU-NR797-400

Net Weight:
440 lbs / 200 kg.

Net Weight w/Optional Motorized Base Stand:
590 lbs / 268 kg.

Crated Weight:
490 lbs / 222 kg.

Crated Weight w/Optional Motorized Base Stand:
640 lbs. / 290 kg.

NU-NR797-600

Net Weight:
590 lbs / 268 kg.

Net Weight w/Optional Motorized Base Stand:
750 lbs / 341 kg.

Crated Weight:
640 lbs / 290 kg.

Crated Weight w/Optional Motorized Base Stand:
800 lbs / 363 kg.

Standard Features:

- Full Size Supply HEPA Filter
- External Fluorescent Lighting
- Front Filter Servicing
- Hinged Slanted Window
- 3/8" Thick Scratch-Resistant Polycarbonate Window
- Interchange Door Interlock
- Removable Work Tray w/Holder
- IV Bar w/2 Positions
- Large Oval Glove Ports
- Flexible Two-Piece Nitrile Sleeve/Glove
- Solid-State Motor Voltage Regulators

Optional Features:

- Motorized Adjustable Base Stand w/Casters or Leg Levelers
- Fixed Telescoping Base Stand w/Leg Levelers
- Bench Mount
- Sharps/Sharps Disposal System (Large)
- Cord Pass-Through
- Pull Out Accessory Tray
- Pull Out Shelf
- PharmaGard Digital Monitor
- Custom Options Available

* Exterior width dimension will increase 3 1/2" minimum for base stand

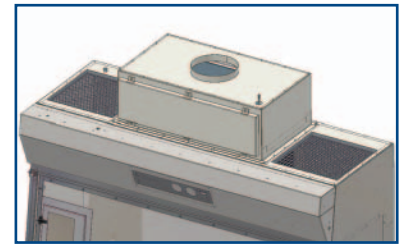




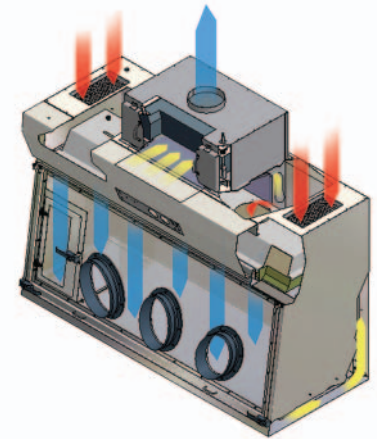
The PharmaGard™ NTE797 Negative Pressure Total Exhaust Barrier Isolator meets USP Std. 797

PharmaGard NTE Airflow System

One-hundred [100%] percent of the total system's airflow enters the cabinet through two separate prefilters on top of the cabinet (red arrows). HEPA filtered airflow enters the work area through the supply HEPA and returned through the Exhaust HEPA filter to the outside through a building provided exhaust duct (blue arrows). Contaminated air to be exhausted flows through the internal exhaust ducts (yellow arrows).



PharmaGard NTE797 HEPA filter configuration with exhaust transition



NU-NTE797 Specifications

Airflow Control System

Motor Speed Controls

Supply blower speed is regulated by independent solid-state motor voltage regulator.

Supply HEPA filter

Full size, covers both work zone and interchange, separatorless HEPA 99.99% @ 0.3 micron efficiency.

Exhaust HEPA Filter

Separatorless HEPA 99.99% @ 0.3 micron efficiency.

Intake HEPA Filter

Separatorless HEPA 99.99% @ 0.3 micron efficiency.

Utility Connections/Installation

Electrical Requirements:

115 Vac, 60 Hz, 1 Phase, 8 amp maximum. Supplied with Hospital Grade power cord/plug. Interior duplex outlet provided (3 amp max. load). Optional motorized base stand is provided with separate power cord/plug. Requires 115 Vac, 60 Hz, 1 Phase, 3 amps.

Exhaust Requirements:

NU-NTE797-400:
65 cfm @ 0.1 w.g.

NU-NTE797-600:
75 cfm @ 0.1 w.g.

Heat Rejected:

NU-NTE797-400
539 BTUs / hour

NU-NTE797-600
880 BTUs per hour

Dimensions (Height x Width x Depth)

NU-NTE797-400

Work Zone Interior Dimensions:
27³/₈" x 35¹/₄" x 24"

Interchange Dimensions:
27³/₈" x 14¹/₈" x 24"

Exterior Dimensions: *
59¹/₈" x 50" x 32¹/₂"

**Minimum Exterior Dimensions
w/Optional Motorized Base Stand:**
88¹/₂" x 54¹/₂" x 32¹/₂"

**Interior Transfer Door
Dimensions:**
14" x 8³/₄"

**Exterior Transfer Door
Dimensions:**
18" x 8¹/₂"

NU-NTE797-600

Work Zone Interior Dimensions:
27³/₈" x 59¹/₄" x 24"

Interchange Dimensions:
27³/₈" x 14¹/₈" x 24"

Exterior Dimensions:*
59¹/₈" x 74" x 32¹/₂"

**Minimum Exterior Dimensions
w/Optional Motorized Base Stand:**
88¹/₂" x 78¹/₂" x 32¹/₂"

* Exterior width dimension will increase 3¹/₂" minimum for base stand

Interior Transfer Door

Dimensions:
14" x 8³/₄"

**Exterior Transfer Door
Dimensions:**
18" x 8¹/₂"

Shipping

NU-NTE797-400

Net Weight:
465 lbs / 211 kg.

**Net Weight w/Optional
Motorized Base Stand:**
615 lbs / 279 kg.

Crated Weight:
515 lbs / 234 kg.

**Crated Weight w/Optional
Motorized Base Stand:**
665 lbs. / 302 kg.

NU-NTE797-600

Net Weight:
615 lbs / 279 kg.

**Net Weight w/Optional
Motorized Base Stand:**
775 lbs / 352 kg.

Crated Weight:
665 lbs / 302 kg.

**Crated Weight w/Optional
Motorized Base Stand:**
825 lbs / 375 kg.



Please note that performance specifications vary for models and types. Please consult NuAire for exact performance specifications.

Standard Features:

- Full Size Supply HEPA Filter
- Bag-in/Bag-out Exhaust HEPA Filter
- External Fluorescent Lighting
- Front Filter Servicing
- Hinged Slanted Window
- 3/8" Thick Scratch-Resistant Polycarbonate Window
- Transfer Chamber Door Interlock
- Removable Work Tray w/Holder
- IV Bar w/2 Positions
- Large Oval Glove Ports
- Flexible Two-Piece Nitrile Sleeve/Glove
- Solid-State Motor Voltage Regulators
- Pharmagard Digital Monitor
- Exhaust Digital Monitor

Optional Features:

- Motorized Adjustable Base Stand w/Casters or Leg Levelers
- Fixed Telescoping Base Stand w/Leg Levelers
- Bench Mount
- Sharps/Sharps (large) Disposal System
- Cord Pass-Through
- Pull Out Accessory Tray
- Pull Out Shelf
- Custom Options Available

OPTIONAL FEATURES



NU-NR797 / NU-NTE797



WASTE DISPOSAL SYSTEM

The PharmaGard™ Barrier Isolators feature an integral waste-disposal system that is accessible from within the work area. Contaminated waste or used sharps can be dropped through a stainless steel chute into standard containers without compromising the containment of the work area.

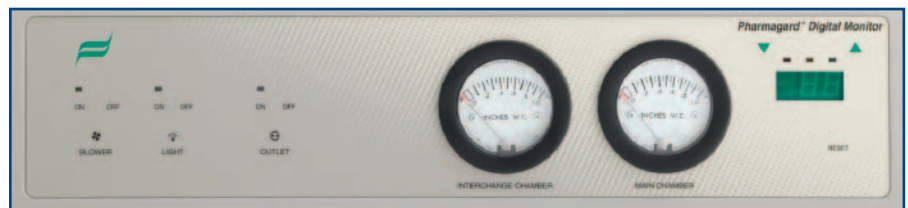


NU-PR797



PHARMAGARD DIGITAL MONITOR

The PharmaGard Pressure Monitor displays the negative static pressure within the main chamber. The pressure monitor is calibrated in "inches of water gauge" pressure. The pressure monitor will read the same as the main chamber mini-helic gauge and in addition, allow a low/high alarm limit point to be set. The PharmaGard Digital Monitor is standard on negative pressure NTE model and optional on the positive pressure PR model and the negative pressure recirculating NR model.



PULL-OUT SHELF AND ACCESSORY TRAY



[A] Pull Out Shelf

- Stainless Steel Construction
- Extends Interchange Entry / Exit Area
- Approx. 12" x 12"

[B] Pull Out Accessory Tray

- Makes Small Items Easily Available to User
- Durable Construction
- All Mounting Hardware Included



CUSTOM SPECIAL PRODUCTS

NuAire offers products like the PharmaGard in standard configurations to meet almost any need. This 797PR 6-foot model with dual interchanges is just one example of NuAire's ability to engineer custom products. Contact NuAire for more information.

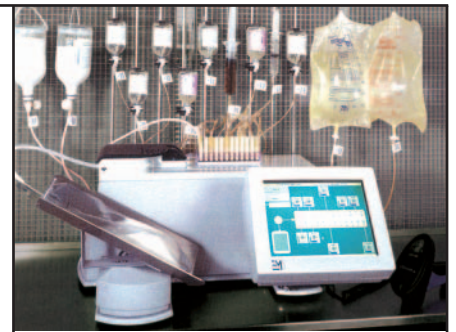


The NU-PR797 custom-configured with two large waste / sharps containers.



AUTOMATED COMPOUNDING SYSTEMS

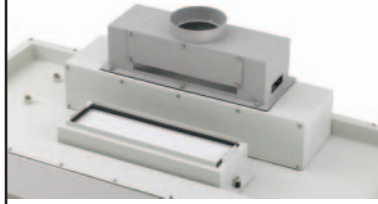
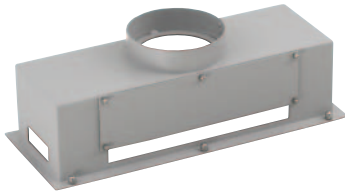
Can be installed within the Pharmagard using the data / power cord pass-through.



Other custom options are available, contact NuAire for more information.

ACCESSORIES

EXHAUST TRANSITION



- Allows PharmaGard™ NR units to be connected directly to building exhaust system
- Easy Installation
- Stainless Steel Construction

SILICONE CONNECTION SLEEVE KIT

Easy-to-Connect Exhaust Transitions to Ductwork
Noise Reduction

- Kit Contains:
- Silicone Rubber [60" x 6"]
 - Band Clamps
 - 1 Tube RV Sealant



ROUND TO ROUND EXHAUST TRANSITION 8" TO 10"



- Galvanized Steel to Prevent Rust
- Lightweight
- Airtight Construction

BUTTERFLY VALVES

- 100% Stainless Steel
- Manual Damper
- Vulcanized Black Silicone Gasketing
- 14 Gauge, Type 304 Stainless Steel
- Pressure Tested



AIRFLOW EXHAUST ALARM MONITOR



315 AireGard Airflow Monitor



350 Hi-Lo AireGard Airflow Monitor

Used for Applications Requiring Monitoring of the Mass Flow of an Airstream for Minimal Acceptable Airflow Set Points

- Both Audio and Visual Alarms
- Easy-to-Install
- Fully Adjustable
- Systems Warns of Low Airflow Conditions



ORDER ONLINE AT: WWW.SCIENTIFICVISIONS.COM



ISOLATOR CLEANING TOOL



Two-part 316 stainless steel construction allows the Isolator Cleaning Tool to be easily passed through interchange, and re-assembled for use. Specially shaped head ensures all areas of the Isolator can be fully cleaned. Tool is supplied with 2 sterile low particulate cleaning pads. Pads are also available in packages of 20. Tool is fully autoclaveable.

HOODGARD CLEANER



- Disinfectant Cleaner for Laminar Flow Equipment
- Dimethyl Ethylbenzyl Ammonium Chlorides-0.11%
- Ready-to-Use, Broad Antimicrobial Cleaner

Available in Continental U.S. Only

TECHNICLOTH / ALPHAWIPE



TEXWIPE TechniCloth®

- Blend Of 55% Cellulose & 45% Polyester
- No Chemical Binders Or Additives
- Highly Absorbent, High Strength, Wet or Dry
- Low Particle Generation & Extractable Levels
- Resistant To Electrostatic Charge Buildup

TEXWIPE AlphaWipe®

- Soft & Nonabrasive
- Laundered & Cleanroom Packaged
- Suited For Wiping & Spill Control In Class 100 Cleanroom Environments

STERILEWIPE™ LP10

- Sterile, Knitted Polyester Wipes w/Sealed Borders
- Premoistened with 70% IPA/30% WFI
- Extremely Low Levels of Releasable Particles and Fibers
- Ideal for Cleaning Aseptic Environments



TEXSHIELD™ STERILE 70% IPA



- Surface Cleaning
- Eliminates Need for Mixing, Filtration, or Sterilization
- Eliminates Aspiration of Airborne Contaminates
- Fully Adjustable Trigger Spray
- Uses No Propellants
- **Available in Continental U.S. Only**

STAINLESS STEEL CLEANERS

Stainless Steel Cleaner

- Safe for All Metals
- Leaves a High Luster Shine
- Water-based
- **Available in Continental U.S. Only**

Super Foam Metal Cleaner

- Re-finishes Metal Surface
- Deep Cleaning Foam Action
- Removes Blood Stains, Rust, Carbon Deposits
- **Available in Continental U.S. Only**



1 Ability to Sit or Stand at a Range of Heights



NuAire's PharmaGard™ models provide maximum knee/thigh clearance which improves the users ability to assume a proper posture. The maximum knee/thigh clearance is accomplished by a design improvement that reduced the plenum height beneath the work surface. The adjustable base stand provides the ability for laboratory personnel to optimize ergonomic conditions improving leg and forearm support.



2 Forearm Support for Comfort and Safety

Offers proper support of elbows and forearms while working in a cabinet. Ideal for long term procedures.



3 Effective Work Zone Area for More "User-Friendly" Space



NuAire's PharmaGards provide the largest effective work zone area available which helps reduce arm/neck/shoulder strain.

- Extends reach of users up to 12"
- Minimizes stress on arms, neck, and shoulders
- 100% Stainless Steel Ball Bearing Construction
- Easy to clean, can be autoclaved

4 Large Vision Zone Reduces Awkward Postures, Proper Lighting Reduces Glare

The windows in the NuAire cabinets allow for greater visibility and better sight lines to the effective work zone area reducing awkward posture resulting in less eye fatigue and/or neck strain.



5 Features for Ergonomically Designed Chair and Footrest



NuAire's adjustable footrest provides optimal foot and leg support.



6 Designed Flexibility Improves Productivity, Quality, and Reliability



Do your IV and Chemo Admixtures Programs give you the warm-fuzzies?

Hospital, clinical, and home healthcare pharmacies must demonstrate and document control of their aseptic compounding processes and facilities,^{1,2} yet the diversity, and extremely small batch sizes of Pharmacy-produced sterile products make it impossible to validate Pharmacy aseptic processing operations through the use of "classical" Quality Assurance Validation Practices³.



VALITEQ[®]

Pharmacy Regulatory Groups, such as the State Boards of Pharmacy, Departments of Public Health, and the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) are increasing their scrutiny of Pharmacy sterile products compounding programs. Proper use of the VALITEQ[®] Aseptic Technique Validation, CHEMOTEQ[™] Hazardous Products Compounding, and STERITEQ[™] Product Sterility Monitoring Systems, will allow you to demonstrate effective management of your sterile products compounding operations to all regulatory groups, based upon your successful application of the following eight personnel and process controls:

Operator Knowledge

1. Selection, training, and evaluation of all operatives within a closed-loop, outcome-producing Quality Management system, including a period of supervised clinical experience, (60-90 days),
2. A structured aseptic technique compounding curriculum,
3. Completion of a comprehensive, written test of knowledge,

Operator Skills

4. A comprehensive sterile and hazardous products Media-fill Compounding Validation Exercise to verify skills,
5. An observed Assessment of Aseptic Technique, carried out during the Media-fill exercise,

Process Verifications

6. Ongoing monitoring and documentation of equipment and facility parameters,
7. Software documentation of training, testing status, and scheduling of all operatives;
8. Periodic sterility monitoring of compounded sterile products.

finally: CQI

Use of the VALITEQ[®], CHEMOTEQ[™], and STERITEQ[™] Systems will allow you to establish your program quality compliance levels, and to identify and assess your Continuous Quality Improvement (CQI) efforts.

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