

**PURCHASE SPECIFICATIONS FOR  
 NUAIRE PHARMAGARD™ NU-NR797  
 NEGATIVE PRESSURE RECIRCULATING STERILE ISOLATOR**

The intent herein is to provide a concise statement of requirements for a quality negative pressure Sterile Products Compounding Isolator, which may be used to augment your purchase request/order.

The NU-NR797 meets the barrier isolator requirements of the USP 797, Pharmaceutical Compounding Sterile Preparations. The NU-NR797 also meets NIOSH and ASHP guidelines for hazardous drug preparations.

NuAire sales representatives will be pleased to explain the importance of the performance and control affected by each of the following requirements. The NuAire NU-NR797 meets all of the requirements in the following SPECIFICATION.

1. Dimensions Inches (mm)

<b>Overall Dimensions</b>	<b>NU-NR797-400</b>	<b>NU-NR797-600</b>
Width (W)	50 (1270)	74 (1880)
Depth (D)	32-1/2(826)	32-1/2(826)
Height (H) (Incl. Exhaust Grill)	51-3/4 (1314)	51-3/4 (1314)
(minimum w/optional adjustable basestand)	81-3/4 (2076)	81-3/4 (2076)
 <b><u>Workzone</u></b>		
<b>Interior Dimensions</b>		
Width (W)	35-1/4 (895)	59-1/4 (1505)
Depth (D)(center of gloveport)	23-1/4 (591)	23-1/4 (591)
Height (H)	27-3/8 (695)	27-3/8 (695)
 <b><u>Interchange</u></b>		
<b>Interior Dimensions</b>		
Width (W)	14-1/8 (359)	14-1/8 (359)
Depth (D) (at worksurface)	24 (610)	24 (610)
Height (H)	27-3/8 (695)	27-3/8 (695)

\*2. Cabinet shall provide performance as specified.

- a. Cabinet shall maintain a negative pressure with in workzone and slightly more negative pressure in the interchange to assure preparation and transfer containment and sterility.
- b. Cabinet shall provide better than ISO Class 5 (Federal Standard 209E Class 100) within workzone and interchange.
- c. Supply HEPA filter shall be the full length of the cabinet workzone providing better than ISO Class 5 laminar downflow designed to eliminate cross contamination on the worksurface.
- d. Supply HEPA filter shall be protected by perforated metal diffusers covering the entire top of both workzone and interchange.

- \*3. The cabinet shall be ergonomically designed for maximum user comfort and process efficiency.
  - Cabinet shall have a centrally located instrument panel within the control center that is easily serviced with quick disconnects.
  - Cabinet shall have the capability of incorporating a user adjustable base stand as an option.
  - Cabinet shall have a hinged lockable window slanted 10° from vertical for optimal work with glove ports.
  - The hinged lockable window shall allow full access to entire workzone and interchange.
  - Cabinet shall have (2) independent worktrays for workzone and interchange being removable with coved corners for easy cleaning.
  - Cabinet shall have large exterior hinged transfer door 8-1/2" x 18" (46 x 457mm) minimum for efficient product movement in and out of the transfer chamber.
  - Cabinet shall have large interior sliding door 8-3/4" x 14" (222 x 356mm) minimum for efficient product movement in and out of the workzone.
- \*4. The cabinet shall have all filter positive pressure plenums surrounded by a vacuum relative to the room.
- 5. Electrical power shall be supplied with a 12-foot (2.5m), 3-wire cord with hospital grade plug. Electrical supply should be 115VAC, 60Hz protected with thermal circuit breaker from distribution panel.
- \*6. The cabinet shall have two internal electrical circuits; one for blower/lights and one for the hospital grade duplex outlet. Each circuit shall be protected with a circuit breaker/fuse located in the Control Center.
- 7. The cabinet shall be listed by Underwriters Laboratories to meet the requirements of both the U.S. and Canada for electrical/mechanical integrity.
- 8. Total cabinet airflow shall be controlled via a solid-state motor voltage regulator with adjustment available on the Control Center.
- \*9. Balancing of cabinet negative pressure shall be accomplished with integrated HEPA filter/blower assembly controlled via solid-state motor voltage regulator with exhaust interlock system that prevents workzone and interchange to be positively pressured.
- 10. The cabinet shall be easily transportable through a standard 36-inch (914mm) wide door without disassembly.
- 11. Fluorescent lighting shall be externally mounted and provide 40 (430) to 80 (860) foot-candles (LUX) on work surface. The ballast is to be electronic containing thermal protection with automatic reset.
- 12. Cabinet shall have two minihelic gauges to display negative pressure of workzone and interchange area.
- 13. Cabinet shall come standard with one hospital grade duplex with drip proof cover on back wall.
- \*14. Cabinet shall be easily bench mounted or freestanding console model with the addition of the optional bench mount support or various basestand options.

15. Cabinet workzone shall be all 16 GA. stainless steel and reinforced with stainless steel U channels to minimize vibration.
16. Cabinet shall have a large removable workzone worktray with integral hinged support rods to be raised and held up for cleaning.
- \*17. Cabinet shall have a permanent positive pressure plenum with quick release supply filter removal.
- \*18. Cabinet shall be capable of front/top filter removal without disassembly of the control panel and hinged window hardware.
19. Cabinet interchange doors shall be interlocked to prevent the inner door from opening when the outer door is open.
20. Cabinet shall have a two-position IV bar with 6 hooks.
21. Cabinet exhaust require shall be the following used with canopy connections:
 

<u>NU-NR797-400</u>	<u>NU-NR797-600</u>
65 CFM @ 0.1" w.g.	75 CFM @ 0.1" w.g.
22. The following optional equipment shall be available to support installation and user requirements:

Hospital Grade Ground Fault Interrupter for Electrical System  
 Additional Service Valves for Gas, Air, Vacuum  
 Additional Hospital Grade Duplex  
 Bench Mount Support  
 Telescoping Base Support Stand  
 Storage Pullout Trays  
 Pull Out Shelf  
 Cord Pass-Through  
 Adjustable Automatic Base Support Stand with Castors  
 Adjustable Automatic Base Support Stand with Leg Levelers  
 Sharps/Sharps (Lg) Disposal System for Hazardous Drugs  
 Canopy Exhaust Transition  
 Pharmagard™ Digital Monitor  
 Flex Duct Kits  
 Custom Options Available

\*Having all of these features is unique ONLY to NuAire cabinets.

**Pharmagard™ Negative Pressure  
Recirculating Sterile Isolator**  
Models NU-NR797-400/600

Catalog Number	Catalog Number	
	NU-NR797-400 Nominal 4 foot (1.2m)	NU-NR797-600 Nominal 6 foot (1.8m)
Performance Specifications 1. Product Protection	ISO Class 5 (Laminar Flow)	ISO Class 5 (Laminar Flow)
Style of Isolator	Bench top/console Isolator	Bench top/console Isolator
Isolator Construction	Welded stainless steel 16GA, Type 304 pressure tight design	Welded stainless steel 16GA, Type 304 pressure tight design
Interchange Chamber	ISO Class 5 With Internal/External Sealed Doors	ISO Class 5 With Internal/External Sealed Doors
Diffuser for Air Supply (Metal)	Non-flammable	Non-flammable
HEPA Filter Seal Type: Supply Filter-99.99% Eff. on 0.3 microns Exhaust Filter-99.99% Eff. on 0.3 microns	Neoprene, Springloaded Under Negative Pressure	Neoprene, Springloaded Under Negative Pressure
Standard Services: Hospital Grade Duplex Outlet	One, Backwall	One, Backwall
Optional Services: Service Valves 3/8" NPT	Up to 3	Up to 3
Isolator Size Inches (mm): Height Height (Minimum w/opt. Adjustable Base Stand) Width Depth (with Control Center)	51 3/4 (1314) 81 3/4 (2076) 50 (1270) 32 1/2 (826)	51 3/4 (1314) 81 3/4 (2076) 74 (1880) 32 1/2 (826)
Work Zone Inches (mm): Width Height Depth (Center of Glove Port)	35 1/4 (895) 27 3/8 (695) 23 1/4 (591)	59 1/4 (1505) 27 3/8 (695) 23 1/4 (591)
Interchange Inches (mm) Width Depth (at Work Surface) Height	14 1/8 (359) 24 (610) 27 3/8 (695)	14 1/8 (359) 24 (610) 27 3/8 (695)
Hinged Lockable Viewing Window (Polycarbonate)	Fully closed to fully open	Fully closed to fully open
Exhaust CFM/CMH Standard/Optional: Canopy NU-916-797 Plan Duct Static Pressure Eng/Metric: (water gauge)	65/110 0.05-0.1"/1.24-2.54 mm	75/124 0.05-0.1"/1.27-2.54 mm
Heat Rejected, BTU, Per Hour	795	1136
Electrical: Volts, AC 60 Hz Amps: Blower/Lights Amps: Hospital Grade Duplex Amps: Total 12 ft. Hospital Grade Power Cord (one)	UL/UL-C Listed 115 3 3 6 14 GA - 3 Wire, 15A	UL/UL-C Listed 115 5 3 8 14 GA - 3 Wire, 15A
*Crated Shipping Weight: *Net Weight: Net Optional Adjustable Automatic Base Stand Wt: Net Optional Telescoping Base Stand Wt: Net Optional Bench Mount Wt:	490 lbs./222 kg. 440 lbs./200 kg. 150 lbs./68 kg. 60 lbs./27 kg. 20 lbs./19 kg.	640 lbs./290 kg. 590 lbs./268 kg. 160 lbs./73 kg. 70 lbs./32 kg. 20 lbs./19 kg.

\* For total weight, must select and add (1) of (3) base options.