



**PURCHASE SPECIFICATIONS : NuAire Model NU-620 AllerGard™ ES Energy Saver Containment Small Animal Transfer Station**

**General**

The NuAire AllerGard™ ES Energy Saver Containment Small Animal Transfer Station Model NU-620 is a unique configuration offers the benefits of vertical HEPA filtered airflow for product protection on the worksurface. In addition, the NU-620 provides improved allergen personnel protection by incorporating a HEPA filtered down draft vacuum on the worksurface to assure minimal exposure to animal hair/dander as well as cage bedding material. **However the NuAire Model NU-620 should not be used as a substitute for a Class II, Type A2 Biosafety Cabinet. The NU-620 is not a containment device for airborne particulate in low to moderate risk-hazard research** as prescribed by the CDC/NIH Biosafety in Microbiological and Biomedical Laboratories.

1. Dimensions:

Overall Dimensions – Inches (mm):	NU-620-300 NU-620-301	NU-620-400 NU-620-401
* Width:	42 (1067)	48 (1219)
Depth:	30 5/8 (777)	30 5/8 (777)
**Height:	80 ½ (2045)	80 ½ (2045)

Worktray Dimensions:

Width:	36-5/8 (930)	45-5/8 (1083)
Depth:	28-1/4 (718)	28-1/4 (718)

Worksurface Height:

4 Inch Castors: 35-1/2 (902) to 47-1/2 (1207)

- Station shall be constructed of cold rolled steel and aluminum (excluding stainless steel worksurface area) coated with tough corrosive-resistant powder coat enamel finish. Supply module shall be supported by two aluminum uprights located at the midpoint of the side allowing for maximum technician access to the worksurface.
- The station shall have 6" (152mm) minimum of knee space providing the station user the ability to sit.
- Hinged windows shall be scratch resistant polycarbonate, 14" (356mm) access height for maximum access to the worksurface.
- Station shall have an adjustable hydraulic lift system with standard automatic electric lift to provide for a 12" (305mm) worksurface adjustment range.
- Castors shall be stainless steel 4" (102mm) diameter polyurethane wheels with brakes.
- Worksurface shall be stainless steel, type 304, 16 ga. (0.060) with easy lift handles and tilt-up holding rods for access to exhaust prefilter and cleaning. Down draft plenum under worksurface shall be stainless steel type 304, 16 ga. (0.060) with a 1 ½" x 4" (38mm x 102mm) waste chute.

8. Supply and exhaust HEPA filters shall be 99.99% efficient at 0.3 microns. The supply HEPA filter downflow pattern is uniform and velocity is adjustable between 55-65 feet per minute (.28-.33m/s) providing ISO class 4 at rest measured at 0.5 micron particles per cu.ft./min
9. The station shall use an EC Impeller and a DC ECM Motor with an optimally determined forward-curved fan for each model size/width to maximize both energy efficiency and filter loading capacity.
10. The station shall have two internal electrical circuits; one for blower/lights and one for the duplex outlets. Each circuit shall be protected with a fuse located in the Control Center on the electronic module.
11. The station shall be listed by Underwriters Laboratories to meet the requirements of both the U.S. and Canada for electrical/mechanical integrity.
12. Station shall contain the Aeromax™ control system consisting of an electronic module that will perform the following functions:
  - Easy user interface via LED's and function keys
  - Control blower via solid state switch.
  - Control lights via solid state switch.
  - Control outlets via solid state switch.
  - Disable audible alarm switch with ring back function.
  - Control blower DC ECM motor with solid-state DC Motor Controller that provides automatic compensation for line voltage variances.
  - Monitor and display airflow system performance via PresurFlow™ monitor.
13. Supply prefilter shall be washable or disposable.
14. Exhaust primary prefilter under the worksurface shall be washable or disposable.
15. Blowers capable of automatically handling a 60% minimum increase in filter loading without a decrease in total air delivery of more than 10%. Provide a voltage compensating motor speed controller that automatically compensates for voltage changes to maintain constant voltage to motor. Speed controller will permit manual adjustment to handle a 150% increase in filter loading and maintain total air delivery at or above 90%.
16. Lighting provided shall use energy efficient (T8) LED lamps.
17. Unit to carry a three (3) year warranty.

**AllerGard™ ES Energy Saver  
Containment Small Animal Transfer Station  
Models  
NU-620-300/400/500  
NU-620-301/401/501**

Catalog Number	Catalog Number		
	NU-620-300 NU-620-301 Nominal 3 foot (0.9m)	NU-620-400 NU-620-401 Nominal 4 foot (1.2m)	NU-620-500 NU-620-501 Nominal 5 foot (1.5m)
Performance Specifications NU-620-XX0 Product / Personnel NU-620-XX1 Product / Personnel	ISO 4 / Improved Allergen ISO 4 / NSF/ANSI 49	ISO 4 / Improved Allergen ISO 4 / NSF/ANSI 49	ISO 4 / Improved Allergen ISO 4 / NSF/ANSI 49
Diffuser for Air Supply (Metal)	Non-flammable	Non-flammable	Non-flammable
Supply Filter-99.99% Eff. on 0.3 microns Exhaust Filter-99.99% Eff. on 0.3 microns	Neoprene, Spring-loaded	Neoprene, Spring-loaded	Neoprene, Spring-loaded
Fumigation : per NIH/NSF Procedures	Yes	Yes	Yes
Standard Services: Duplex Outlet	One Sidewall	One Sidewall	One Sidewall
Optional Services: Gas Cocks 3/8" NPT	Up to 3 ea. Sidewall	Up to 3 ea. Sidewall	Up to 3 ea. Sidewall
Cabinet Size Inches (mm): Height (Fully Assembled, minimum) Height (Fully Assembled, maximum) Height (Minimum for Transport without Castors) Width (with handles) Depth	80 ½ (2045) 92 ½ (2350) 75 (1905) 48 (1220) 30 5/8 (777)	80 ½ (2045) 92 ½ (2350) 75 (1905) 54 (1372) 30 5/8 (777)	80 ½ (2045) 92 ½ (2350) 75 (1905) 66 (1677) 30 5/8 (777)
Work Access Opening Inches (mm): Standard Opening Height	14 (356)	14 (356)	14 (356)
Work Zone Inches (mm): Height Width Depth	25 ½ (648) 36 5/8 (929) 28 ¼ (718)	25 ½ (648) 42 5/8 (1081) 28 ¼ (718)	25 ½ (648) 54 5/8 (1387) 28 ¼ (718)
Viewing Window Inches (mm):	Polycarbonate	Polycarbonate	Polycarbonate
Heat Rejected, BTU, Per Hour	785	785	785
Electrical: Volts, AC 60 Hz +Amps: Blower/Lights Amps: Duplex Rated Amps: 25 ft. (7.62m) Power Cord	U.L./U.L.-C Listed 115 5.0 3 12 Cord Reel-15A	U.L./U.L.-C Listed 115 5.5 3 12 Cord Reel-15A	U.L./U.L.-C Listed 115 6.0 3 12 Cord Reel-15A
Crated Shipping Weight:*** Net Weight	480 lbs. /218 kg. 430 lbs. /195 kg.	510 lbs. /231 kg. 460 lbs. /209 kg.	580 lbs. /263 kg. 530 lbs. /240 kg.

\*\*\*Crated shipping weight does not include weight for accessories or options

+ Based on cabinet with new filters running at 115VAC.