

NQ900E

# External-Mount Air Purification System



The NQ900E is a hospital-grade air purification unit designed to be easily mounted on an exterior wall or ceiling, maximizing efficacy and space. This patented system delivers 2 levels of filtration and an ultraviolet purification zone. It destroys pathogens and improves indoor air quality, delivering the highest levels of protection for occupants.

The NQ900E purifies air with 2 proven processes:

## 2 Stages of Mechanical Filtration



1. 1 Pre-filter of 102 mm – 25-30% ASHRAE – G4
2. HEPA filter ASHRAE- H14 (99.99% at 0.3  $\mu\text{m}$ ) – DOP

## Ultraviolet Germicidal Irradiation (UVGI)



Two germicidal UV lamps providing a total UV dosage of 32,000  $\mu\text{W sec/cm}^2$

### Efficacy

- ✓ Viruses Including Coronavirus (COVID-19)
- ✓ Bacteria
- ✓ Molds/Fungi
- ✓ Allergens

### Deployment

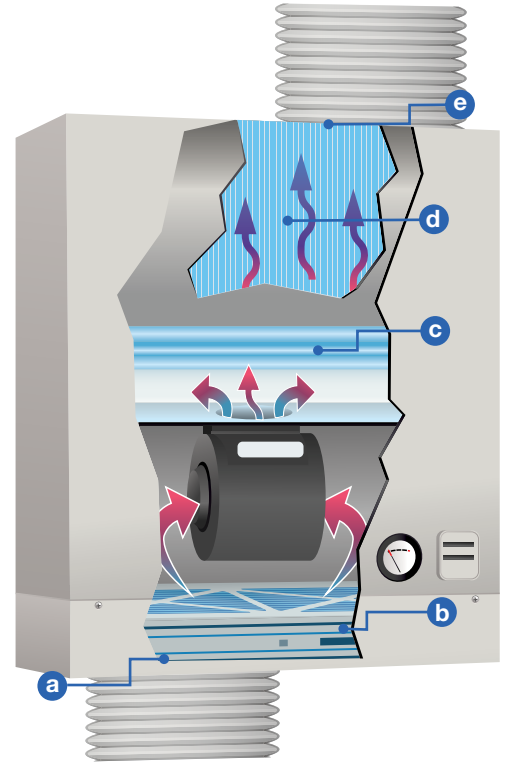
- ✓ Exterior Wall/Elevator Installation, Quickly Deployed
- ✓ Autonomous
- ✓ Low Maintenance
- ✓ Fraction of the Cost of Permanent Isolation Rooms
- ✓ No Chemicals/Added Materials

### Application

- ✓ Commercial
- ✓ Medical
- ✓ Industrial
- ✓ Military

**NQ900E - [ITEM # NQ900RM]**  
**Surface-Mounted Air Purification System At Work**

- a** Air is recirculated into the bottom inlet plenum of the machine via ductwork
- b** Larger particles are trapped into the pre-filter (G4 – 25-30% ASHRAE)
- c** Air then passes through the UVGI (UV germicidal irradiation) chamber, a highly effective germicide that destroys viruses, bacteria, fungi, and molds
- d** Finally, 99.97% of particles and micro-organisms > 0.3 µm are filtered by the HEPA filter H14. This filter is constantly bathed by UV lamps. As the filter traps only micro-organisms that have been destroyed by UVC's, there is no risk of replication in case of the unit is switched off
- e** Purified air is discharged through the top plenum of the unit into 10" ductwork



## Technical Specifications

### Dimensions

Height 32" / 810 mm  
Width: 26" / 660 mm  
Depth: 12.5" / 317 mm  
Weight: 83 lbs / 37.6 kg

### Power Supply

115 V – 60 Hz

### Power

276 Watts (Max Speed)

### Air Volume

500 cfm – 236 l/s – 849.5 m³/h

### Noise Level

50 dBA – (High Speed)

### Filtration + UVGI Features

Pre-filter: 4" – 102 mm / 30% ASHRAE – G4\*

HEPA Filter: 12" – 305 mm – MERV16 – 99.99% > 0.3 µm

UV Dosage: 32,000 µWsec/cm²

Post Filter: Carbon Impregnated

### Replacement Parts

**#NQ900E:** Elevator Air Purifier, HEPA/UVC, 500 CFM

**NQ55UVQ:** UVC Replacement Lamp

**NQ12241299:** HEPA filter

**NQ1222230:** 2" Pre-filter

**NQ1224230:** 4" Pre-filter

\*According to EN 779

## About NQ Industries

NQ Industries Inc. is a leader in air purification technology. Our proven high-efficiency air filtration and sterilization systems safeguard residential, commercial, military and healthcare environments. As regarded experts, we have been providing Airborne Infection control solutions to thousands of worldwide medical facilities for over 28 years.

[nqinc.com](http://nqinc.com)

**Solutions for  
pure, safe air**