



NQ500

# The Height of Air Purification Systems

The NQ500 patented air purification system reaches incomparable heights of efficacy and technology. This proven system delivers 3 levels of filtration and an ultraviolet purification zone with over a 6-foot separation between the air-supply and return. It destroys pathogens and improves indoor air quality, delivering the highest levels of protection for occupants.

The NQ500 purifies air with 2 proven processes:

## 3 Stages of Mechanical Filtration



1. 1 Pre-filters of 51 mm – 25-30% – G4
2. 1 Pre-filter of 102 mm – 25-30% – G4
3. HEPA filter ASHRAE- H14 (99.99% at 0.3 μm) – DOP

## Ultraviolet Germicidal Irradiation (UVGI)



Three germicidal UV lamps providing a total UV dosage of 32,000 μW sec/cm<sup>2</sup>

### Efficacy

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

### Deployment

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

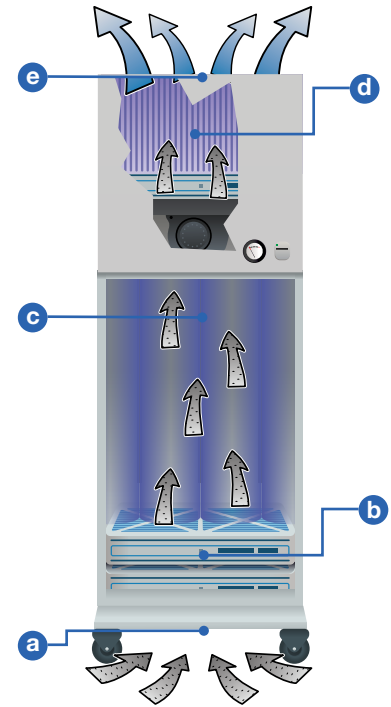
### Application

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

**NQ500** - [ITEM # NQ500RM]

## The Height of Air Purification Systems At Work

- a** Air is **recirculated** into the bottom part of the machine
- b** Larger particles are trapped into the **2 stages of the pre-filters (25-30% ASHRAE)** that are constantly bathed by UV lamps
- c** Air then **passes through the UVGI (UV germicidal irradiation) chamber**, a highly effective germicide, that destroys viruses, bacteria, fungi, and molds
- d** Finally, 99.99% of particles and micro-organisms > 0.3 µm are **filtered by the HEPA filter H14**. As the filter traps only micro-organisms that have been destroyed by UVC's, there is no risk of replication in case the unit is switched off
- e** **Purified air is discharged, in the top part of the unit**, via a discharge system specially designed ("Upflow") to maximize and optimize the room's effective air change rate



## Technical Specifications

### Dimensions

Height 78" / 1940 mm

Width: 26" / 660 mm

Depth: 13" / 330 mm

Weight: 184 lbs / 83.5 kg

### Power Supply

115 V – 60 Hz / 230 V – 50 Hz

### Power

437 Watts (High Speed)

### Air Volume

500 cfm – 236 l/s – 850 m³/h

### Noise Level

48 dBA

### Filtration + UVGI Features

Pre-filter 1: 2" – 51 mm / 30%  
ASHRAE – G4\*

Pre-filter 2: 4" – 102 mm / 30%  
ASHRAE – G4\*

HEPA Filter: 12" – 305 mm – H14 –  
ASHRE – DOP – 99.99% > 0.3 µm

UV Zone: 3 lamps of 36" – 915 mm

UV Dosage: 58,100 µWsec/cm²

### Replacement Parts

#NQ7UVQ: UVC Replacement Lamp

#NQ3UVQ: UVC Replacement Lamp  
For Gen 1 NQ500

#NQ12241299: Hepa Filter

#NQ1222230: 2" Pre-filter

#NQ1224230: 4" Pre-filter

#NQ-NP-50: NEG Press Top

\*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**

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