

## NQ Clarifier Standard & Medical

The **NQ Clarifier** is an outstanding portable air purification system.

The unit has **4 levels of filtration** as well as an **ultraviolet purification zone** that destroys bacteria, viruses, fungi, allergens and molds. Its compacity in terms of weight, size and mobility make this equipment ideal for all general applications.

Within a very short period of time the system filters and purifies, thus improving the indoor air quality in various locations such as residential, commercial, medical, industrial or military applications.

Efficacy proven in real conditions for over 10 years (references available on request).

The ultraviolet disinfection allows our units to offer a high protection without utilising any chemicals or added materials.



### General features:

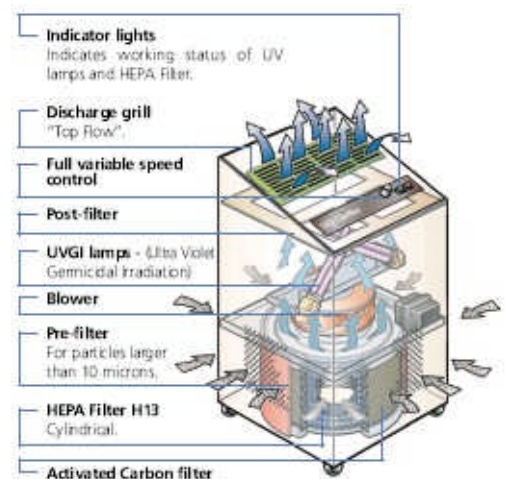
- High efficiency 99.97% HEPA
- Mobile, quickly deployed
- Autonomous
- System utilising recognised processes
- Low Maintenance
- Economical

### The NQ Clarifier purifies air with 2 recognized processes:

**FILTRATION** - Four stages of mechanical filtration:

- 10 µm particulate pre-filter
- Formulated activated carbon filter
- HEPA filter ASHRAE - H13 (99.97% at 0.3 µm)
- Carbon impregnated post filter

**UV DISINFECTION** - Two or four germicidal UV lamps providing a total UV dosage of 13,000 to 26,000 µWsec/cm<sup>2</sup> to inactivate micro-organisms



### Working Principle:

- The air is recirculated to 4 inlet grills (7" x 10" - 178 x 254 mm)
- Particles > 10 µm are trapped by the pre-filter
- The air then passes through an activated carbon filter, optimised to treat odors problems, VOC's and chemical pollutants
- After 99.97% of particles and micro-organisms > 0.3 µm are filtered by an HEPA filter H13
- Viruses, bacteria, fungi, allergens and molds are finally destroyed by UVC germicidal irradiation in the UV zone
- Purified air is discharged via a post filter and a patented air discharge system "Topflow" that maximises the room effective air change rate



## Typical Applications:

### Residential

- All general air treatment solutions needed in a house (odours, VOC's, bacteria, fungi, chemical agents...)

### Commercial

- Smoking rooms, offices, stocking areas, waiting rooms, schools, homeless shelters, libraries, postal sorting rooms, recreation centres, microbial remediation processes, hotels, restaurants, bars, cruise lines, police/customs, prisons, airports.

### Medical

- General practioners and specialists practices, dental practices, laboratories, hospitals and clinics patients rooms, out patients, veterinarian practices, nursing homes, microbial laboratories, clean rooms.

### Industrial

- Micro-mechanical, electronic, pharmacy and food processing industries; stocking areas, waste sorting plants, office buildings...

## Technical Data :

Technical features	
Height	28" - 710 mm
Width	15" - 380 mm
Depth	14" - 360 mm
Weight	48 lbs - 22 kg
Power supply	115 V - 60 Hz / 230 V - 50 Hz
Power	136 Watts (high Speed)
Air volume	350 cfm - 165 l/s - 595 m <sup>3</sup> /h
Noise level	55 dBA - (high speed)
Pre-filter	> 10 microns
Activated carbon filter	15 lbs - 6.8 kg
HEPA filter	ASHRAE - H13* - DOP - 99,97% > 0.3 µm
UV zone	Clarifier Standard - 2 x 9 Watt UVGI lamps Clarifier Medical - 4 x 9 Watt UVGI lamps
UV dosage	Clarifier Standard - 13,000 µWsec/cm <sup>2</sup> Clarifier Medical - 26,000 µWsec/cm <sup>2</sup>
Post filter	Carbon impregnated

\*According to EN 1822

Maintenance required	
Pre-filter	Pre-filter 2 months (clean), 6 months (change)
Activated carbon and post filters	24 months max. (18 months recommended)
HEPA filter	24 months max. (18 months recommended)
UVGI lamps	1 year

### Options:

- Negative and positive pressure adaptators
- Various colours
- Specific carbon filters for dental practices
- Clarifier Medical "+" version available (UV dosage increased by 66%)
- Photocatalysis arrangement