

Clarifier

NQ® **NQ CLARIFIER MEDICAL**
Air purification system

NQ Clarifier

Technical Features

Height	710 mm
Width	380 mm
Depth	360 mm
Weight	22 kg
Power supply	230 V - 50 Hz
Power	136 Watts (high speed)
Air volume	165 l/s - 595 m ³ /h - (high speed)
Noise level	55 dBA - (high speed)
Pre-filter	> 10 microns
Activated carbon filter	6.8 kg
HEPA filter	H13* - DOP - 99.97% -> 0.3 µm
UV zone	4 X 9 Watt UVGI Lamps
UV dosage	26,000 µW sec/cm ²
Post-filter	Carbon impregnated

* According to EN 1822

Maintenance required :

Pre-filter	2 months (clean), 6 months (change)
Activated carbon filter and post-filter	12 to 18 months
HEPA filter	24 months max. (18 months recommended)
UVGI lamps	1 year

Patented solutions for pure, safe air.

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NQ® **Industries Inc.**
UV-Air Purification Systems

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UV-Air Purification Systems

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NQ CLARIFIER
MEDICAL

The NQ Clarifier is ideal for :

General practitioners and specialists practices, dental practices, laboratories, hospitals and clinics patients rooms, out patients, veterinarian practices, as well as all general air treatment solutions (smoking rooms, offices, stocking areas, waiting rooms).

Risk Prevention - protection of personnel and patients :

Indoor environments are breeding grounds for microbial air contamination. It is polluted by harmful airborne pathogens agents such as bacteria, viruses, fungi and molds. Pollens, gases, VOC's (volatile organic compounds), small particles and chemicals are additional contaminants to these agents.

Patients, healthcare employees and visitors are exposed every day to these pollutants and germs. People suffering from allergies, asthma, hyper sensibility to chemicals, cardiopulmonary diseases or having a weakened immune system (immuno-compromised patients) are seriously threatened by this airborne micro-biological contamination.

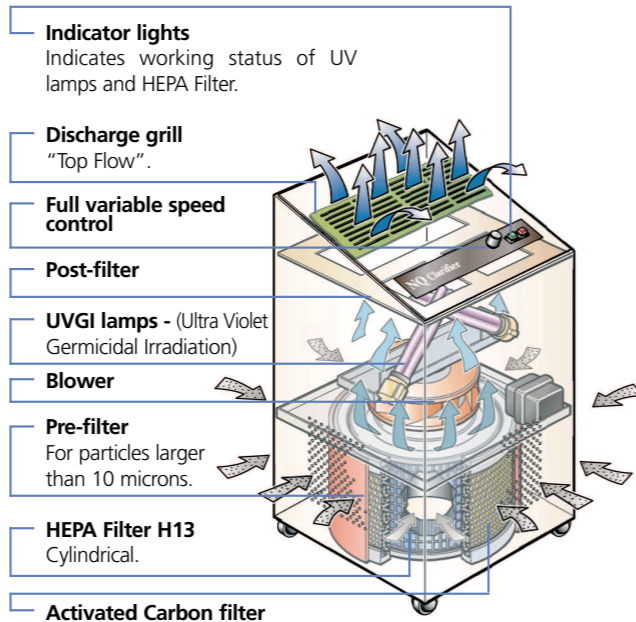
Make your medical environments be safe places :

Using a Medical Clarifier UV filtration system, you can effectively treat these problems. The Clarifier Medical is an outstanding air purification system. The unit has 4 levels of filtration as well as an ultraviolet purification zone that destroys bacteria, viruses, fungi and molds. Its compactness 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, hospitals, clinics, private rooms, waiting areas, and smoking areas.

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.



The NQ Clarifier Medical purifies air with 2 recognized processes :

① **FILTRATION** : Four stages of mechanical filtration :
10 µm particulate pre-filter.
Formulated activated carbon filter.
HEPA filter H13 (99.97% at 0.3 µm).
Carbon impregnated post filter.

② **UV DISINFECTION** : Four germicidal UV lamps providing a total UV dosage of 26,000 µWsec/cm².



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The NQ Clarifier Medical filters and purifies the air, thus improving the indoor air quality within numerous applications including, hospitals, clinics, private rooms, waiting areas, and smoking areas.

Working principle :

- The air is recirculated to 4 inlet grills (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 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.

NQ Clarifier
Air treatment solutions

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GENERAL FEATURES :

- HIGH EFFICIENCY 99.97% HEPA
- MOBILE, QUICKLY DEPLOYED
- AUTONOMOUS
- SYSTEM UTILISING RECOGNISED PROCESSES
- LOW MAINTENANCE
- ECONOMICAL

OPTIONS :

- NEGATIVE AND POSITIVE PRESSURE ADAPTATORS
- SPECIFIC CARBON FILTERS FOR DENTAL PRACTICES
- CLARIFIER MEDICAL PLUS VERSION AVAILABLE
UV DOSAGE INCREASED BY 66%

For any other specific demand, please contact us.



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