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clean air starts here

## NQ Clarifier vs. Airpura P600 models

### Ultraviolet Lamps

The purpose of UV lamps in an air purifier is to render pathogens such as viruses, bacteria, and mold unable to replicate and thus spread disease. As long as the potency of the bulbs is adequate, the germs that pass over the bulb are rendered harmless.

NQ	Airpura
<p>The NQ Clarifier was configured with two 9-watt UVGI lamps, providing 13,000 microwatts of germicidal dosage.</p> <p>The NQ Clarifier Medical and Medical Plus were configured with four 9-watt lamps and provide 26,000 microwatts of germicidal dosage.</p>	<p>All Airpura models that are configured with UV include 20 watt, 17 inch germicidal U-shaped lamp. Dosage is 30,000 microwatts of germicidal dosage.</p>

### Photocatalytic Oxidizer

The photocatalytic oxidizer works in conjunction with UV germicidal lamp to destroy pathogens and break up vapors at the molecular level. This component serves to enhance the effectiveness of UV to neutralize germs and chemical fumes.

NQ	Airpura
<p>This feature was not available in the NQ Clarifier.</p>	<p>The Airpura P600, P600+, P614, and P614+ models are configured with the TitanClean<sup>tm</sup> photocatalytic oxidizer.</p> <p>The HEPA filter of the P600+ and SuperHEPA filter of the P614+ are coated with titanium dioxide to enhance the germicidal properties of the photocatalytic converter.</p> <p>The UV600 and UV614 do not include this option but can be upgraded at any time to utilize the TitanClean<sup>tm</sup> photocatalytic oxidizer.</p>

## Particle Filter

Most air purifiers include filters that remove small airborne particles. This is the component that captures common allergens like dust, dander, pollen, and mold spores. Always look for HEPA or better.

NQ	Airpura
All models of the NQ Clarifier were configured with medical grade HEPA filtration. HEPA captures 99.97% of airborne particles that are at least .3 microns in size.	Airpura offers two types of HEPA filtration. The <i>600</i> series models include medical grade HEPA filters that capture 99.97% of airborne particles that are at least .3 microns in size.  The <i>614</i> models are configured with SuperHEPA which captures 99.99% of airborne particles that are at least .3 microns in size.

## Carbon Filter

Carbon is used to remove odors and chemicals from the air. The effectiveness of the carbon is directly tied to the quality and composition of the carbon filter as well as the quantity. *Activated* carbon is used to remove odors and some chemicals. *Enhanced* carbon blends are more effective in removing chemicals such as VOCs off-gassing from pressed wood or new carpets..

NQ	Airpura
All models of the NQ Clarifier were configured with 15 lbs of activated carbon.	Most Airpura models come standard with 18 lbs of activated carbon but can be upgraded to the enhanced carbon blend. When removal of odors and/or chemicals is critical, Airpura models can be configured with 26 lbs of the appropriate carbon blend.

## Airflow

Airflow is measured in Cubic Feet Per Minutes (cfm). The greater the airflow, the more air exchanges per hour which results in better purification of the air.

NQ	Airpura
All NQ Clarifier models moved 400 cubic feet of air per minute, cleaning up to 1500 sq ft.	All Airpura models move 400 cubic feet of air per minute, cleaning up to 2000 sq ft.

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