



## UV Dosages Chart

UVC radiation at 254nm has an intense germicidal effect. Microorganisms, such as viruses, bacteria, fungi and yeasts are effectively destroyed without the addition of chemicals within seconds due to the coupling effects in the DNA. See the chart below to learn more about the dosage values for inactivation of some well-know airborne pathogens and why **NQ Air Purification Systems “Single Pass Kill” technology are unmatched for sanitizing indoor air.**



NQ Systems	UVC Dose $\mu\text{Wsec}/\text{cm}^2$
NQ350 Clarifier	26,000 $\mu\text{Wsec}/\text{cm}^2$
NQ400	32,000 $\mu\text{Wsec}/\text{cm}^2$
NQ500	58,100 $\mu\text{Wsec}/\text{cm}^2$
NQ1000	92,960 $\mu\text{Wsec}/\text{cm}^2$
NQ2000	73,236 $\mu\text{Wsec}/\text{cm}^2$



Pathogen	UVC Dose $\mu\text{Wsec}/\text{cm}^2$ for 99% 2-log reduction
Anthrax	8,700 $\mu\text{Wsec}/\text{cm}^2$
Typhoid fever	4,100 $\mu\text{Wsec}/\text{cm}^2$
E. Coli	6,600 $\mu\text{Wsec}/\text{cm}^2$
Influenza	6,600 $\mu\text{Wsec}/\text{cm}^2$

At a sufficient high intensity, UV disinfection ensures microorganisms cannot replicate and provides a reliable, simple and fast method to sanitize the air. Through the combination of UVGI (Ultraviolet Germicidal Irradiation) and HEPA filtration, microorganisms smaller than 0.3 micron like the COVID19 virus, are inactivated and making the NQ systems more effective than HEPA air purification alone. The NQ systems internal arrangements are sanitized leaving no living organisms in the filters which means safer maintenance and peace of mind.

**To learn more about NQ Air Purification Systems and our patented technologies visit [NQinc.com/UVGI](https://NQinc.com/UVGI)**