Air-Q 1000

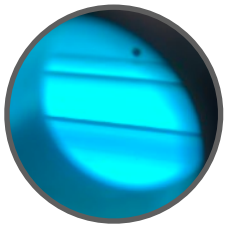
Data Sheet

Ultraviolet germicidal irradiation (UVGI) is a disinfection method that uses short-wavelength ultraviolet (ultraviolet C or UV-C) light to kill or inactivate microorganisms by destroying nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions. UVGI is used in a variety of applications, such as food, air, and water purification.

Bug Type	Required Level UVC energy for Kill (mJ)	Source	Air-Q 1000 - Kill Rate
Coronavirus	0.7	Walker 2007	100.0%
Berne virus (Coronavirade)	0.7	Weiss 1986	100.0%
Murine Coronavirus (MHV)	1.5	Hirano 1978	100.0%
Canine Coronavirus (CCV)	2.9	Saknimit 1988	100.0%
Murine Coronavirus (MHV)	2.9	Saknimit 1988	100.0%
SARS Coronavirus (CoV-P9)	4.0	Duan 2003	100.0%
Murine Coronavirus (MHV)	10.3	Liu 2003	98.7%
SARS Coronavirus (Hanoi)	13.4	Kariwa 2004	96.4%
SARS Coronavirus (Urbani)	24.1	Darnell 2004	84.3%
Average	**6.7**		**99.9%**

The Air-Q system is designed for ultimate performance in a quiet unobtrusive package, killing on average 99.9% of known Coronavirus species.

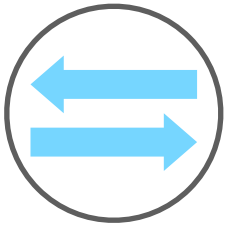
QUICK SITE



PLUG-IN SOLUTION

FOREVER-CLEAN GRILLS

VARI-FLOW FANS



Air-Q UVC Output Calculations

Air Exposure Time:	1.4 Seconds
UV Intensity:	15mW/cm^2
UV Dose:	21mJ/cm^2

Average UVC dose required to kill Coronavirus

90% Kill	6.7mJ/cm^2
99% Kill	13mJ/cm^2
99.9% Kill	20.1mJ/cm^2

Technical Specifications

Nominal power:	311W nominal power
Air Flow:	150m^3 (5297ft^3) per hour
Compliance:	CE Certified
Lamps/Life:	3x 75W UVC / circa 9,000 hours
Weight:	11kg
Dimensions:	1500 x 200 x 200mm