SGUVG - 3000 In-Duct Double Rack Unit

Microorganisms	UV Dose µW.sec/cm2	0.20 m3/s	0.30 m3/s	0.40 m3/s	0.50 m3/s	0.60 m3/s	0.70 m3/s	0.80 m3/s	0.90 m3/s	1.00 m3/s
Pseudomonas aeruginosa (lab)	3,900 (9)					99.9%				
Avian Flu (Influenza A)	3,900 (16)					99.9%				
Campylobacter jejuni	4,000 (2)					99.9%				
Salmonella typhi	4,800 (2)					99.9%				
Legionella pneumophilia	5,500 (1,2)					99.9%				
Staphylococcus aureus	5,800 (2, 5,6,8,11)					99.9%				
Vibrio comma (cholera)	6,500 (9)					99.9%				
MRSA	6600 (13)					99.9%				
Influenza	6,600 (3,4,5,6,9)					99.9%				
E-coli	6,600 (1,2)					99.9%				
Klebsiella terrigena	6,700 (2)					99.9%				
Coronavirus (SARS)	7,400 (15)					99.9%				
Streptococcus faecalis	8,000 (2)				99.9	%				98% 95%
Hepatitis A	8,000 (2)				99.9	%				98% 95%
Agrobacterium	8500 (15)				99.9%				98%	95%
Bacillus anthracis	8,700 (15)				99.9%				98%	95%
Clostridium Difficile	10,000 (14)			99.9%				98%		95%
Mycobacterium tuberculosis	10,000 (3,5,6,9,10)			99.9%				98%		95%
Pseudomonas aeruginosa	10,500 (3,4,5,6)			99.9%				98%		95%
Herpes simplex	11,000 (17)			99.9%			98%			95%
Bacillus subtilis	11,000 (5,6,8)			99.9%			98%			95%
Clostridium botulinum	11200 (15)			99.9%			98%			95%
Stenotrophomonas maltophilia	12,000 (7)			99.9%			98%	98%	97%	90%
Salmonella anatum	12,000 (2)			99.9%			98%	98%	97%	90%
Klebsiella pneumoniae	15,000 (2)		99.9%			98%	95%	94%	90%	89% 85%
Micrococcus sphaeroides	15,400 (3,5)		99.9%			98%	95%	94%	90%	89% 85%
Rotavirus	20,000 (1)	99.9	%	98%		95%	94%	90%	80%	75%
Bacillus subtilis spores	22,000 (2,4,5,6,8)	99.9	%	98%		95%	94%	90%	80%	70%
Clostridium tetani	23,100 (15)	99.9%	98%	95%	94%	90%	89%		80%	70%
B. anthracis Sterne	27500 (12)	98%	95%	94%		90%	89%-80%	79%		70%

% Percentage Kill

Air Volume

Performance tests carried out in partnership with the ***Pathogen Control Engineering Research Group*** at the School of Civil Engineering -***University of Leeds***

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