SGUVGI - 4500 In-Duct Single Rack Unit

Microorganisms	UV Dose µW.sec/cm 2	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%		98%	95%	94%-90%
Streptococcus faecalis	8,000 (2)					99.9%		98%	95%	94%-90%
Hepatitis A	8,000 (2)					99.9%		98%	95%	94%-90%
Agrobacterium	8500 (15)					99.9%		98%	95%	94%-90%
Bacillus anthracis	8,700 (15)					99.9%		98%	95%	94%-90%
Clostridium Difficile	10,000 (14)				99.9%			98%	95%	94%-90%
Mycobacterium Tuberculosis	10,000 (3,5,6,9,10)				99.9%			98%	95%	94%-90%
Pseudomonas aeruginosa	10,500 (3,4,5,6)			99.9%				98%-95%	94%	90%
Herpes simplex	11,000 (17)			99.9%			98%	95%		90%
Bacillus subtillis	11,000 (5,6,8)			99.9%			98%	95%		90%
Clostridium Botulinum	11200 (15)			99.9%			98%	95%		90%
Stenotrophomonas maltophilia	12,000 (7)		99.9%			98%		95%	90%	85%
Salmonella anatum	12,000 (2)		99.9%			98%		95%	90%	85%
Klebsiella pneumoniae	15,000 (2)	99.9%		98%			95%	90%	85%	75%
Micrococcus sphaeroides	15,400 (3,5)	99.9%		98%		95%	94%	90%	85%	75%
Rotavirus	20,000 (1)	98%			95%	94%	90%	85%	75%	60%
Bacillus subtilis spores	22,000 (2,4,5,6,8)	98%			95%	94%-90%	89%	80%	70%	55%
Clostridium Tetani	23,100 (15)	98%		95%	94%	90%	89%	80%	70%	55%
B. anthracis Sterne	27500 (12)	98%-95%	94%		90%	89%-80%	79%			50%

% 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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