

UV Diffusers Quick Selection Chart

January 10, 2022



	cfm 0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	Adjustable Airflow	Aluminum Available				
	l/s 0	12	24	35	47	59	71	83	94	106	118	130	142	153	165	177	189	201	212	224	236	248	260	271	283	295						
SARS-CoV-2 Irradiation*		>99.9999%			>99.9998%			>99.9955%			>99.9666%			>99.8731%			>99.6710%			>98.8280%			>98.1717%			N/A						
AXO-S300-UV		< 15 0.02 2 (6)	< 15 0.04 4 (10)	21 0.08 6 (17)	28 0.13 9 (26)	31 0.20 11 (33)	38 0.28 13 (41)																					✓	✓			
AXO-S400-UV			< 15 0.01 3 (5)	< 15 0.02 4 (7)	< 15 0.03 6 (13)	< 15 0.05 7 (15)	19 0.07 8 (18)	22 0.09 10 (24)	26 0.12 11 (27)	29 0.15 13 (33)	31 0.19 14 (37)	33 0.23 15 (39)	36 0.27 17 (43)															✓	✓			
AXO-S-UV				< 15 0.01 4 (7)	< 15 0.02 5 (8)	< 15 0.02 6 (9)	< 15 0.03 7 (10)	15 0.04 8 (11)	18 0.05 8 (11)	20 0.06 9 (13)	22 0.07 10 (16)	24 0.08 11 (18)	26 0.09 12 (20)	27 0.11 13 (22)	29 0.12 14 (24)	30 0.14 15 (26)	32 0.16 16 (28)	33 0.18 17 (30)	34 0.20 18 (32)	35 0.22 19 (34)	36 0.24 20 (37)	37 0.26 21 (39)	38 0.29 22 (41)					✓	✓			
AXO-SX-UV					< 15 0.01 3 (3)	< 15 0.02 4 (4)	< 15 0.03 5 (6)	< 15 0.03 6 (8)	< 15 0.04 6 (8)	< 15 0.05 7 (10)	16 0.06 8 (12)	19 0.07 8 (12)	21 0.08 9 (14)	23 0.10 10 (16)	25 0.11 10 (16)	27 0.13 11 (18)	29 0.14 12 (21)	30 0.16 12 (22)	32 0.15 13 (23)	33 0.20 14 (25)	34 0.22 15 (28)	36 0.24 15 (28)	37 0.26 16 (31)	38 0.28 17 (34)			✓	✓				
OTO-UV			< 15 0.01 3 (5)	< 15 0.02 4 (7)	< 15 0.03 5 (9)	< 15 0.04 6 (12)	17 0.06 7 (13)	22 0.07 8 (14)	23 0.09 9 (16)	26 0.11 10 (18)	30 0.13 11 (20)	32 0.15 12 (22)	34 0.18 13 (24)	36 0.20 14 (26)	38 0.23 15 (28)														✓			
PLAY-UV			< 15 0.01 4 (7)	< 15 0.02 5 (10)	< 15 0.03 6 (12)	< 15 0.04 6 (12)	16 0.05 7 (13)	20 0.06 8 (14)	22 0.08 9 (16)	25 0.09 10 (18)	27 0.11 11 (20)	29 0.12 11 (20)	31 0.14 12 (22)	33 0.16 13 (24)	35 0.18 14 (26)	37 0.21 14 (26)	38 0.23 15 (28)											✓				
SARS-CoV-2 Irradiation*		>99.9999%			>99.9998%			>99.9955%			>99.9666%			>99.8731%			>99.6710%			>98.8280%			>98.1717%			N/A						
	cfm 0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	Adjustable Airflow	Aluminum Available				
	l/s 0	12	24	35	47	59	71	83	94	106	118	130	142	153	165	177	189	201	212	224	236	248	260	271	283	295						

*SARS-CoV-2 Irradiation percentages represent the minimum single-pass germicidal irradiation efficiency results calculated by 3rd party. These values are for UV-C germicidal irradiation only and do not consider the filter. The lowest UV-C lamp intensity - when replacement is due after 2 years - was used in these calculations.

UV Diffusers have been 3rd-party tested with SARS-CoV-2 virus and have achieved a 99.949% single-pass deactivation rate for 458 cfm with a new lamp and MERV-9A filter.

Important: the use of this device is a supplement to and not a substitute for standard infection control practices; users must continue to follow all current infection control practices, including those related to the cleaning and disinfection of environmental surfaces.

Minimum Airflow	Optimal Airflow	Maximum Airflow
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< 20 < 20 = NC value based on 10 dB room attenuation
 0.07 0.07 = Pressure loss in. w.g. with included MERV-9A filter
 8 (17) 8 = Throw distance in ft for 40 fpm terminal velocity, isothermal with Coanda effect
 (17) = Induction ratio: use to calculate Total Induced Air = Supply cfm * Induction Ratio



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