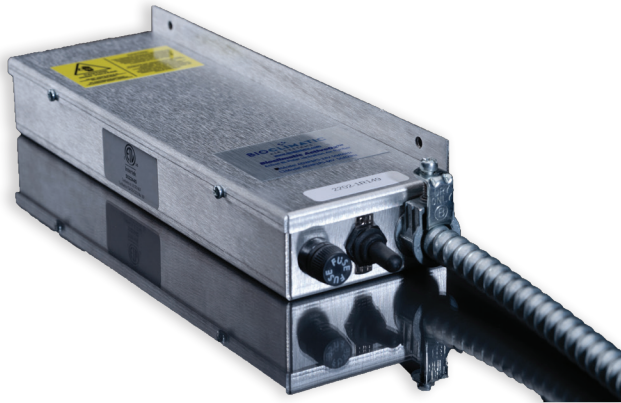


PRODUCT SUBMITTAL

Bioclimatic ActiveOx™ R



APPLICATION

The Bioclimatic ActiveOx™ ionization generator rail is designed specifically for plenum mounting. Generator rails are normally installed in the supply air side of an air handling unit following the final filter. Alternatively, they can be installed in the return plenum.

The generator produces synchronized bipolar ionization of an air stream whose flow is perpendicular to the axis of the emitter pair. Depending upon the volume of air, chemical and biological content, ionization is factory pre-set to CFM airflow rating by means of local control to affect density sufficient to produce the desired volumetric air purification. Externally, the generator rail includes ionization modules, indicator light fuse, toggle switch, junction box power umbilical, wiring, and mounting chassis.

Up to 26 generators can be daisy-chained together on the same power supply. Rail sizes vary upon generator quantity.

SPECIFICATIONS

General Product Information

Air Flow Rating	1,250 CFM per generator
Pressure Drop	Negligible
Housing Material	5052 Aluminum
Weight	748g (1.65 lbs)
Max Operation Temp.	66°C (150°F)

Electrical

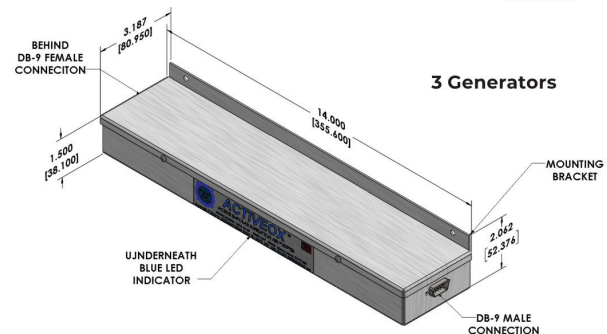
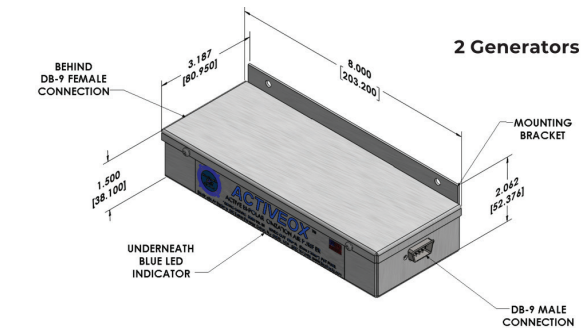
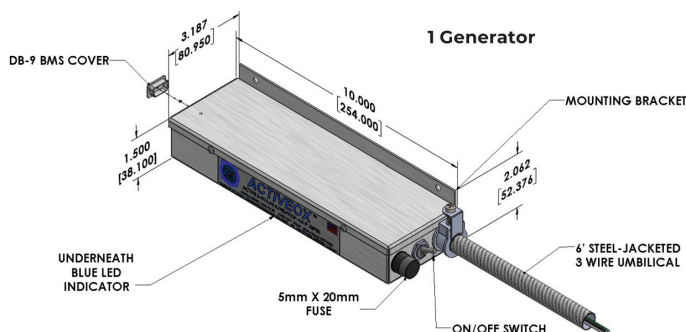
Rated Voltage	100 to 240 VAC or 24 VAC
Frequency	50/60 Hz
Power Consumption	0.5 Watts per generator
Current Draw	0.03 Amps (30 mA) per generator
Fuse	T 630mA Glass 5mm x 20mm (FST)
Field Electrical Connection	Standard to Junction Box

Modules

Bi-polar Generator	1 each, 2 emitters per generator
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Approvals

UL 867, UL 2998



PRODUCT SUBMITTAL

Bioclimatic ActiveOx™ R



DESIGN GUIDE

Stock Numbers	AOX_R03_24V AOX_R03_MV	AOX_R04_24V AOX_R04_MV	AOX_R05_24V AOX_R05_MV	AOX_R06_24V AOX_R06_MV	AOX_R07_24V AOX_R07_MV	AOX_R08_24V AOX_R08_MV	AOX_R09_24V AOX_R09_MV	AOX_R10_24V AOX_R10_MV
Capacity (cfm)	3,750	5,000	6,250	7,500	8,750	10,000	11,250	12,500
Overall Length	18" (457mm)	24" (610mm)	26" (660mm)	32" (813mm)	38" (965mm)	40" (1016mm)	46" (1168mm)	52" (1321mm)
Module Quantities Used								
AOXR1PS-24V AOXR1PS-MV	1	1	1	1	1	1	1	1
AOXR2	1	0	2	1	0	2	1	0
AOXR3	0	1	0	1	2	1	2	3
Total Ion Gens	3	4	5	6	7	8	9	10
Power								
FLA @ 24VAC	0.082	0.105	0.127	0.149	0.170	0.194	0.210	0.230
FLA @ 120VAC	0.035	0.042	0.050	0.058	0.065	0.071	0.078	0.084
FLA @ 208VAC	0.027	0.032	0.037	0.043	0.047	0.052	0.056	0.061
Ambient Temp.	150° F / 66° C							
Stock Numbers	AOX_R11_24V AOX_R11_MV	AOX_R12_24V AOX_R12_MV	AOX_R13_24V AOX_R13_MV	AOX_R14_24V AOX_R14_MV	AOX_R15_24V AOX_R15_MV	AOX_R16_24V AOX_R16_MV	AOX_R17_24V AOX_R17_MV	AOX_R18_24V AOX_R18_MV
Capacity (cfm)	13,750	15,000	16,250	17,500	18,750	20,000	21,250	22,500
Overall Length	54" (1372mm)	60" (1524mm)	66" (1676mm)	68" (1727mm)	74" (1880mm)	80" (2032mm)	82" (2082mm)	88" (2235mm)
Module Quantities Used								
AOXR1PS-24V AOXR1PS-MV	1	1	1	1	1	1	1	1
AOXR2	2	1	0	2	1	0	2	1
AOXR3	2	3	4	3	4	5	4	5
Total Ion Gens	11	12	13	14	15	16	17	18
Power								
FLA @ 24VAC	0.255	0.280	0.305	0.330	0.355	0.380	0.404	0.428
FLA @ 120VAC	0.092	0.100	0.106	0.111	0.116	0.122	0.130	0.138
FLA @ 208VAC	0.066	0.071	0.076	0.079	0.083	0.087	0.092	0.097
Ambient Temp.	150° F / 66° C							
Stock Numbers	AOX_R19_24V AOX_R19_MV	AOX_R20_24V AOX_R20_MV	AOX_R21_24V AOX_R21_MV	AOX_R22_24V AOX_R22_MV	AOX_R23_24V AOX_R23_MV	AOX_R24_24V AOX_R24_MV	AOX_R25_24V AOX_R25_MV	AOX_R26_24V AOX_R26_MV
Capacity (cfm)	23,750	25,000	26,250	27,500	28,750	30,000	31,250	32,500
Overall Length	94" (2388mm)	96" (2438mm)	102" (2591mm)	108" (2743mm)	110" (2794mm)	116" (2946mm)	122" (3099mm)	124" (3150mm)
Module Quantities Used								
AOXR1PS-24V AOXR1PS-MV	1	1	1	1	1	1	1	1
AOXR2	0	2	1	0	2	1	0	2
AOXR3	6	5	6	7	6	7	8	7
Total Ion Gens	19	20	21	22	23	24	25	26
Power								
FLA @ 24VAC	0.452	0.476	0.500	0.524	0.548	0.572	0.596	0.620
FLA @ 120VAC	0.146	0.154	0.162	0.170	0.178	0.186	0.194	0.202
FLA @ 208VAC	0.102	0.107	0.112	0.117	0.122	0.127	0.132	0.137
Ambient Temp.	150° F / 66° C							