

PRODUCT SUBMITTAL

Bioclimatic ActiveOx™ R

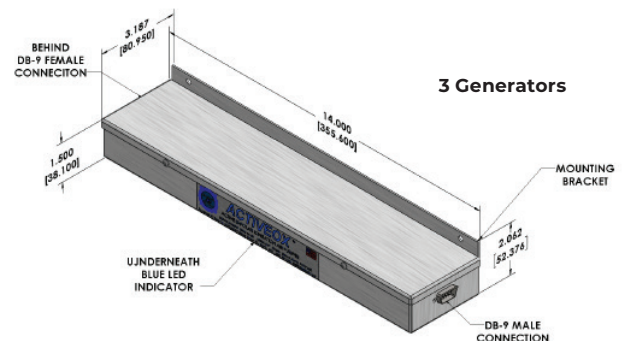
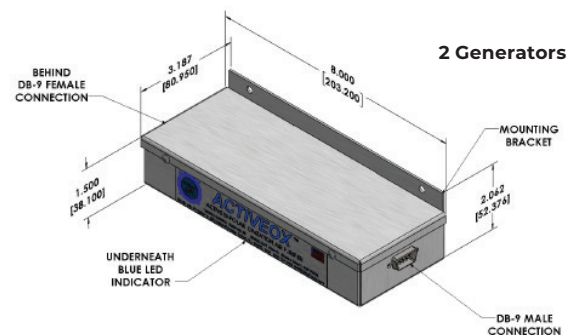
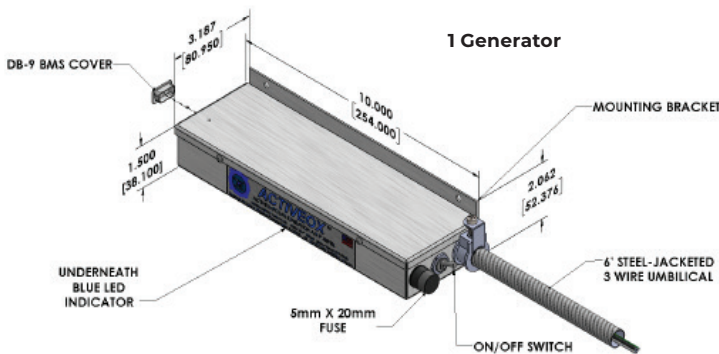


APPLICATION

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 16 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 Operating Temp.	66°C (150°F)

Modules

Bi-polar Generator	1 each, 2 emitters per generator
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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

Approvals

Zero Ozone Emissions per UL 867 testing method: ECVF 2998

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DESIGN GUIDE

Stock Numbers	AOXR03-24 AOXR03-MV	AOXR04-24 AOXR04-MV	AOXR05-24 AOXR05-MV	AOXR06-24 AOXR06-MV	AOXR07-24 AOXR07-MV	AOXR08-24 AOXR08-MV	AOXR09-24 AOXR09-MV	AOXR10-24 AOXR10-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-24 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	AOXR11-24 AOXR11-MV	AOXR12-24 AOXR12-MV	AOXR13-24 AOXR13-MV	AOXR14-24 AOXR14-MV	AOXR15-24 AOXR15-MV	AOXR16-24 AOXR16-MV	AOXR17-24 AOXR17-MV	AOXR18-24 AOXR18-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-24 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	AOXR19-24 AOXR19-MV	AOXR20-24 AOXR20-MV	AOXR21-24 AOXR21-MV	AOXR22-24 AOXR22-MV	AOXR23-24 AOXR23-MV	AOXR24-24 AOXR24-MV	AOXR25-24 AOXR25-MV	AOXR26-24 AOXR26-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-24 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							