PRODUCT SUBMITTAL
MCC Tubes

APPLICATION

The AtmosAir patented Multi-Core Composite (MCC) Tubes are to be used in AtmosAir 500 Series, Matterhorn Series, FC-100 Series, and FC-400 Series ionization systems. The tubes come in sizes B, C, D, E, and F and are constructed of a composite material with stainless steel electrodes. The inner electrode is a proprietary design that improves electrical and ion performance.

The MCC Tubes have a maximum operating temperature of 200°F (93°C). Temperatures above this may damage the tubes. Tube life is 17,600 hours (two years) of continuous use, at which time, they should be replaced. Tube cleaning on a regular basis is recommended, maintaining ion output and air cleaning effectiveness.

All MCC Tube sizes are used with regulating ionization power switches for variable ionization output. The tubes are designed to generate bi-polar (positive and negative) ions, and when used correctly, will increase interior ion levels to those found in a clean outdoor environment. The size of the tubes and number of ionization systems is dependent upon the airflow, size of the space, and severity of present pollution and odors.

SPECIFICATIONS

General Product Information	
Tube Dielectric Material	Multi-Core Composite
Electrode Material	Stainless Steel
Maximum Operating Temp.	200°F (93°C)
Estimated Tube Life	17,600 Hours (Two Years)
Air Flow Capacity Ranges	800 to 2,500 CFM
Associated Products	AtmosAir 500 Series, Matterhorn Series, FC-100 Series, FC-400 Series
MCC Tube Sizes	B Size 76.2mm (3”) C Size 177.8mm (7”) D Size 243.8mm (9.6”) E Size 355.6mm (14”) F Size 558.8mm (22”)
Installed Length (includes bulletnose, screen, plugs, caps, and fasteners)	79.4mm (3.125”) 187.3mm (7.375”) 254.0mm (10”) 365.1mm (14.375”) 568.3mm (22.375”)

	Tube	Tube Size	Installed Length	Flowrate (CFM)
MCC Tubes	B	76.2mm (3”)	79.4mm (3.125”)	800
	C	177.8mm (7”)	187.3mm (7.375”)	1,000
	D	243.8mm (9.6”)	254.0mm (10”)	1,500
	E	355.6mm (14”)	365.1mm (14.375”)	2,000
	F	558.8mm (22”)	568.3mm (22.375”)	2,500