

PRODUCT SUBMITTAL

AtmosAir Matterhorn 880



SPECIFICATIONS;

Air Flow Capacity	up to 4250 CMH
Pressure Drop	(see Fig. 1)
Housing MaterialFlame-rated, Hig	gh Impact Strength ABS
Weight	3.2 kg
Maximum Operation Temperature	65° C
ELECTRICAL;	
ELECTRICAL; Voltage	220-250 VAC
Voltage	50/60 Hz

IONIZATION TUBE:

Material			Multi -Cor	e Composite
Number				One (1)
Size	C (178mm)	D (241mm)	E (375mm)	F (555mm)
Tube Life			2 years o	r 17,600 hrs
DIMENSIONS	;			see Figure 2

APPROVALS:

Underwriters Laboratories Inc. pending as plenum-rated per UL 1995, 867; file # 313742. Energy Star Certified.

APPLICATION;

The Matterhorn 880 ionization system is intended to be mounted in the supply air duct or air handling system of a heating, cooling or ventilation system. The unit is intended to produce bi-polar ions when airflow is delivered over the ion tubes. Power to the unit can be controlled with an optional air pressure differential switch or interlocked with HVAC fan operation, provided the power delivered to the unit does not exceed it's rated voltage. Ionization intensity can be adjusted with a 5 step knob on the unit. Power to the unit can be turned off at the unit or a quick disconnect at the power cord.

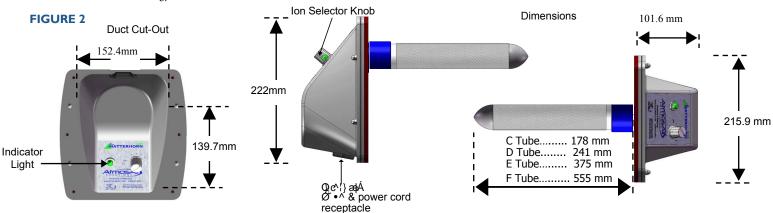
OPTIONAL ACCESSORIES;

Air Pressure Switch; Mounting Bracket; IP66

FIGURE 1 1 cm of H2O= 97.97 Pa

Tube Type	Tube Number	Flowrate CMH	Pascals Pa	Steady State mA
С	(1)	1250	0.01	34.00
D	(1)	2550	1.00	35.00
E	(1)	3400	1.00	35.00
F	(1)	4200	2.99	37.00

Pressure drop calculations based on a typical 61cm x 61cm smooth lined duct section at 460 MPM



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