

AtmosAir Matterhorn 880



SPECIFICATIONS;

Air Flow Capacity.....up to 4250 CMH
 Pressure Drop..... (see Fig. 1)
 Housing Material.....Flame-rated, High Impact Strength ABS
 Weight.....3.2 kg
 Maximum Operation Temperature.....65° C

ELECTRICAL;

Voltage.....220-250 VAC
 Frequency.....50/60 Hz
 Power Consumption..... 6 Watts
 Current Draw..... 37 mA
 Internal Fuse..... 1 Amp
 Field Electrical Connection; 3-Wire to Jct. Box or Country Specific
 Cord-Set

IONIZATION TUBE;

Material.....Multi -Core Composite
 Number.....One (1)
 Size..... C (178mm) D (241mm) E (375mm) F (555mm)
 Tube Life..... 2 years or 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 |
|-----------|-------------|--------------|------------|-----------------|
| C | (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

FIGURE 2

