



**MODEL BAR**

The **Plasma BAR** is a needlepoint type bipolar ionizer arranged in a long narrow bar design. The unit is installed on the entering side of the cooling coil of an air handling unit (AHU) or roof top unit (RTU). The installer mounts the **Plasma BAR** using the provided brackets insuring that the ionization needles are pointed down to avoid debris accumulating on the needles. The needles are recessed to avoid electric shock. The 96" long BAR can treat 20,000 CFM. For higher airflows, two (2) BARS can be used. The BAR operates on 12VDC which is supplied from the remote mounted Control Panel using the provided low voltage power cable. The Control Panel is capable of accepting 24V AC or 12V DC.

**SPECIFICATIONS:**

Housing Material: .....22 gauge 304 SS  
 Max. Operating Temperature: .....200° F (93° C)  
 Electrical:  
 Input Voltage .....12V DC or 24V AC  
 Interconnecting Voltage .....12V DC  
 Frequency .....50/60 Hz  
 Over Current Protection .....Auto Reset 1 Amp Fuse

Mode of Operation: ..... Needle Point Type  
 Needle Point Configuration: ..... Recessed  
 Mounting: ..... Top angle brackets  
 Pressure Drop: ..... <0.05" W.G.  
 Dimensions: ..... See Figure 1  
 Approvals: ..... Intertek/ETL Standard UL867

PLASMA BAR MODEL #PB-XXX	018	024	030	036	042	048	054
<b>AIRFLOW TREATED (CFM)</b>	<b>3,750</b>	<b>5,000</b>	<b>6,250</b>	<b>7,500</b>	<b>8,750</b>	<b>10,000</b>	<b>11,250</b>
LENGTH OF PLASMA BAR (inches)	18	24	30	36	42	48	54
QUANTITY OF IONIZERS ON BAR	3	4	5	6	7	8	9
ELECTRICAL CURRENT DRAW (mA)	90	120	150	180	210	240	270
POWER CONSUMPTION (VA)	2.2	2.9	3.6	4.3	5.0	5.8	6.5
WEIGHT (LBS)	1.1	1.5	1.9	2.3	2.6	3.0	3.4

  

PLASMA BAR MODEL #PB-XXX	060	066	072	078	084	090	096
<b>AIRFLOW TREATED (CFM)</b>	<b>12,500</b>	<b>13,750</b>	<b>15,000</b>	<b>16,250</b>	<b>17,500</b>	<b>18,750</b>	<b>20,000</b>
LENGTH OF PLASMA BAR (inches)	60	66	72	78	84	90	96
QUANTITY OF IONIZERS ON BAR	10	11	12	13	14	15	16
ELECTRICAL CURRENT DRAW (mA)	300	330	360	390	420	450	480
POWER CONSUMPTION (VA)	7.2	7.9	8.6	9.4	10.1	10.8	11.5
WEIGHT (LBS)	3.8	4.1	4.5	4.9	5.3	5.6	6.0

**FIGURE 1**

