



The **Plasma BAR** is a needlepoint type bipolar ionizer arranged in a long, narrow bar design. The unit is installed at the air 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 96" long BAR can treat up to 20,000 CFM. For higher airflows, multiple BARS will be used. The BAR operates on 12V DC which is supplied from the Control Panel using the provided low voltage power cable. The Control Panel is capable of accepting 24V AC or 12V DC. For 120V/230V applications, a 12V DC power supply will be provided.

SPECIFICATIONS:

Housing Material: .18 Gauge Galvanized Steel
Maximum Operating Temperature: 200°F (93°C)
Mode of Operation: Needlepoint type
Needle Configuration: Recessed
Mounting: Top angle brackets
Pressure Drop: <0.05" W.G.
Dimensions: See Figure 1
Approvals: Intertek/ETL Standard UL867

CONTROL PANEL (CP):

Dimensions: 6.5" (l) × 6.5" (w) × 3.5" (d)
Direct Input Voltage: 12V DC or 24V AC
Input Voltage requiring power supply: 120/230V AC
Frequency: 50/60 Hz
Over-current Protection: Automatic Reset 1 Amp fuse
Length of wiring harness from CP to BAR: 20' - 0"
Interconnecting Voltage to BAR: 12V DC
Environmental Service: Indoor only

PLASMA BAR MODEL #PB-XXX	018	024	030	036	042	048	054
AIRFLOW TREATED (CFM)	3,750	5,000	6,250	7,500	8,750	10,000	11,250
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
AIRFLOW TREATED (CFM)	12,500	13,750	15,000	16,250	17,500	18,750	20,000
LENGTH OF PLASMA BAR (inches)	60	24	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

