



**Clean. Easy. RED.**

# Model 270BC

## Specifications and Technical Data

### TYPICAL APPLICATIONS

#### Ducted Capture of:

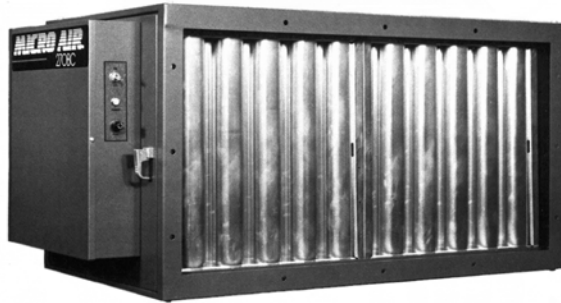
- Smoke
- Oil Mist
- Combination of Both Smoke and Mist
- Use in Duct Run

### Features:

- All Contacts Out Of The Air Stream
- 2700 CFM Capacity
- Electrostatic Filtration
- Side Load, Easy filter Access
- LED Operating Lamp
- Units Can Easily Be Stacked or Mounted Side By

### Options:

- Various Prefilters.
- 1" Carbon Afterfilter.
- Use on IE2700 to Create Dual Pass Unit.



## Specifications

**OVERALL DIMENSIONS:** 21" H X 42" W X 22" L

**WEIGHT:** 150 LBS ACTUAL  
170 LBS SHIPPING

**CABINET:** 16 GAUGE WELDED GALVANEAELED STEEL WITH EXTERIOR SURFACES GROUND SMOOTH.

**FINISH:** INDUSTRIAL GRADE TEXTURED BAKED CRIMSON RED ENAMEL PAINT INSIDE AND OUT.

**PREFILTER:** TWO EACH 18 1/2" X 18 1/2" X 2" BAFFLE-TYPE IMPINGERS.

**IONIZER:** 18 1/2" X 37" X 1 3/4" ALUMINUM RUST-RESISTANT FRAME 10.0 KVDC, 4.8 SQ. FT. OF FACE AREA.

**IONIZER WIRES:** 20 EA. .007 DIAMETER, SPIRAL-WOUND, SELF TENSIONING TUNGSTEN IONIZER WIRES.

**COLLECTION CELLS:** TWO EACH- 18 1/2" X 18 1/2" X 8 5/8" CELLS, 4.5 KVDC, 2.4 SQ. FT. OF FACE AREA PER CELL. COLLECTING AREA IS 260 SQ. FT. (130 SQ. FT./CELL) WITH PLATES SPACED .19" APART. PLATE DEPTH IS 8 3/8". VOLTAGE GRADIENT IS 23.3 KV/IN.

**CELL WEIGHT:** 27 LBS. EACH.

**CELL ACCESS:** SIDE LOAD THROUGH HINGED DOOR FOR EASY ACCESS.

**AIR FLOW:** HORIZONTAL FROM RIGHT-TO-LEFT OR LEFT-TO-RIGHT.

**AIR VOLUME CAPACITY:** 2700 CFM.

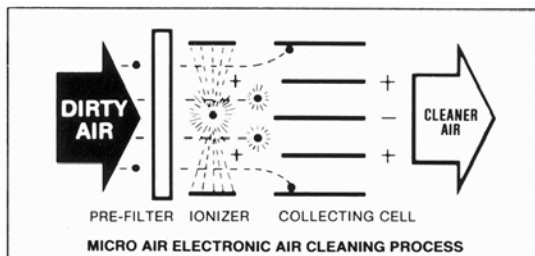
**ELECTRICAL:** 208/230 VOLT, 60 HZ, THREE-PHASE. 460 VOLT THREE-PHASE AND 120 VOLT SINGLE PHASE ARE OPTIONS.

**CONTROLS:** ON/OFF PANEL-MOUNTED SWITCH WITH POWER-ON INDICATOR LIGHT.

**GENERAL:** EXTERNALLY MOUNTED POWER BOX. OIL DRAIN KNOCKOUTS ON BOTTOM OF CABINET. CELL DOOR INTERLOCK SAFETY SWITCH.

## HOW IT WORKS

Polluted air flows through an aluminum prefilter, effectively removing the large particles. Then, the air moves to the ionizer section which charges the particles. They are then collected on the plates of the collecting cell. The air that is discharged is then pollution-free.



Specifications subject to change without notice.

**Sold and Serviced by:**

L2231-02/05