

### The Market Leader in Purifying indoor Air Quality for Over 50 years

For over 50 years CosaTron® has been dramatically improving the quality of indoor air. Our patented technology reduces submicron particulate matter from your building by increasing the effectiveness of your filters. Laboratory examination and independent air quality analysis has unequivocally proven that CosaTron tackles all airborne quality issues with unparalleled effectiveness. From pollen and industrial corrosive environments, to smoke and viruses, only CosaTron will cost effectively demonstrate significant air quality improvement and reduce your energy costs. With over 33,000 systems installed worldwide, CosaTron is the recognized market leader in indoor air quality improvement for any application.

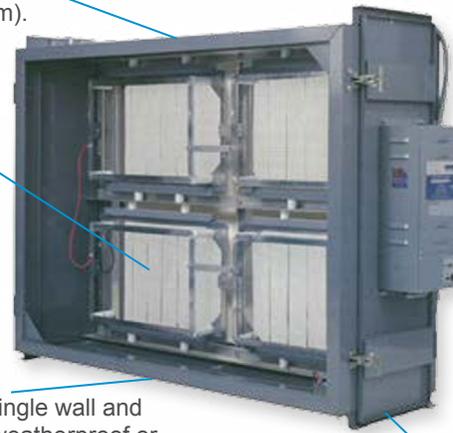
### CUSTOM SYSTEMS

Custom Systems are designed and manufactured to solve your specific indoor air quality problem. Our entry-level 1000 series includes custom framing, grid assembly(ies), bleed resistor(s) and power generator(s). These models are shipped in its component parts for easy installation and assembly in to your existing plenum. Our most popular air cleaning solution will improve your indoor air quality and reduce energy consumption by reducing the amount of outside air you use in your air handler. Your cleaning and maintenance costs are also likely to see a cost reduction.

Construction is of galvanized steel (18 gauge minimum).

All plenums 72" (183 cm) and wider have two access doors and two plenum safety door switches.

The plenums are single wall and are not insulated, weatherproof or waterproof. They must be inside the building or inside a host plenum.



The Power Generator(s) are not weather- proof or waterproof. They must be inside the building or inside a host plenum.

Left hand hinged access door is standard.

### CLEAN AIR MATTERS TO COSATRON

Our technology solves any indoor air quality issue in the following installations:

- Airports
- Animal Facilities / Park / Zoos
- Archives / Libraries / Museums
- Auditoriums/Arenas
- Bowling Alleys
- Casinos/Gaming Facilities
- Churches
- Conference/Convention Centers
- Data/Communication Centers
- Dining/Restaurants
- Firing Ranges
- Hospitals/Medical Facilities
- Industrial Control Rooms
- Laboratories / Clean Rooms
- Money Counting Operations
- Office Buildings / Lobbys
- Schools / Educational Facilities

### Series 1000

- 1100** The Basic Grid Assembly: All models include custom framing, the grid assemblies, bleed resistor and the power generator. The number of grids are sized to fit within a support-framing package, between the filter and the cooling coils. Choose from the configuration below.
- 1200** Grid Plenum Sleeve Assembly with door mounted generator that can be custom fit to slide into any air handler. Available 16" or 9" airway lengths and various custom configurations.
- 1300** Combination Grid/Filter Plenum Assembly. This model is a combination grid/filter plenum that can be custom fit to any air handler and is equipped to use side or face loading filters. Available in 30" or 32" airway lengths and various custom configurations.
- 1400** Custom Filter Plenum Assembly. Complete assembly which includes Safety Door Switch, Access Door, Pre-filter Tracks and Final Filter Track. Available multiple depths 24", 30", 36" and 42". This filter plenum can be custom Gfit to any air handler and can accommodate up to a 12" Cell or small V-Pleat Filter. Available in a variety of size configurations.



### 650 POWER GENERATOR

The Model CU-650 solid state Power Generator provides the high-voltage (HV) direct current (DC) and high-frequency (HF) alternating current (AC) to the grid assembly in the air-handling plenum.

One generator is designed to provide sufficient HV and HF output to handle air through a plenum with a cross-sectional area of B ft" (0.7m") to 96 ft" (8.9m"). When this cross-section area exceeds 96 ft" (8.9m"), a second power generator will be required.

When grid sets are installed in separate plenums, one generator will be required for each grid assembly in each plenum. The power generator is normally mounted on the outside of the plenum wall and must be within 9' (2.75m) wire length of the electrode assemblies. The generators

can also be mounted inside the plenum on rooftop units to protect them from the elements. (The power generator enclosure is not weatherproof or waterproof).

The CU-650 Power Generator is equipped with an input power "ON/OFF" switch. This interrupts the input power when access is required to the plenum section housing the grids. The generator is pre-wired at the factory for the input line voltage required. A label on the input power compartment indicates the preset input voltage. A High Voltage bleed resistor kit is included.

Indicator lamps on the face of the cabinet are provided that indicate the "ON/Off" condition of the HV and HF power output. A circuit breaker in the incoming power circuit is also provided.



### SAFETY DOOR SWITCH

The safety door switch is an essential part of all CosaTron products and is designed for safe operation of the system.

One safety door switch assembly is located inside each plenum access door or filter rack door and is wired into the line voltage circuit using No. 14 or larger wire to interrupt input power to the power generator when any access door is opened. Any plenum access or filter rack door within the immediate vicinity of the electrodes must be similarly equipped. When CosaTron

supplies packaged plenum type units, they will be equipped with safety door switch(es) and activating mechanism as standard. Optional switches are available for CosaTron units being mounted within existing plenums.

In normal installations, the safety door switch assembly is mounted inside, to the top of the plenum as shown. When this is impractical, an optional mounting bracket is provided to allow mounting the assembly to the side of the plenum. In such an installation, the special "plunger" must also be installed on the corresponding side of the access door.

### OPTIONAL ACCESSORIES

- Remote Indicator Lamp Unit
- Remote Coupler Unit
- Grid Sensor Unit
- Magnehelic Differential Pressure Gage
- Differential Pressure Switch
- Safety Door Switch

CosaTron is represented by:

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