

**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.

**KEY HIGHLIGHTS**

- Eliminate odors, dust, gases, bacteria, pollen, smoke and a host of other contaminants from treated air spaces
- Help meet code requirements for acceptable indoor air quality.
- Save energy by reducing outside air
- Save on cleaning and day-to-day maintenance



**FAN POWERED UNITS**

Fan powered units offer flexibility and convenience. Series 3000 systems have built in fans for temporary or permanent use – almost anywhere. When you are in need of an air cleaner that is independent of the site HVAC system, convenient Series 3000 units are the answer.

**HOW THE SERIES 3000 WORKS**

Like all CosaTron® products, the CosaTron Series 3000 is a contaminant control system that provides cleaned re-circulated air where needed. Series

3000 systems control the build-up of offensive odors, dust, gases, pollen, bacteria, smoke other contaminants generated by activity in an area or infiltration from other areas.

Submicron contaminants, such as odor and dust– too small to be captured by the normal filters in an air-handling system – make up about 98% of indoor contaminants. These contaminants remain in the area, clinging to ceilings, walls, clothing, office equipment, desks, draperies, carpets, sensitive electronic equipment and people. CosaTron

increases the natural coagulation of particulate matter. Larger particles are then picked up in and returned in the air current to the HVAC system and are they are picked up as part of routine captured by the filters. CosaTron is not a collector; instead the unique solid state technology increases the efficiency of your filters. Unlike other systems, CosaTron does not ionize the air and turn your building’s occupants into walking air filters. The CosaTron does not use ozone injection, a practice scorned by the EPA.

**SERIES 3000 MODELS**

<b>RV1000</b>	Model RV1000 is a compact, ceiling-mounted, fan-powered unit with horizontal airflow and a nominal throughput of 1000 cfm.
<b>RV2000</b>	Model RV2000 is a compact, ceiling-mounted, fan-powered unit with horizontal airflow and a nominal throughput of 2000 cfm.
<b>RV4000</b>	Model RV4000 is a compact, ceiling-mounted, fan-powered unit with horizontal airflow and a nominal throughput of 4000 cfm.
<b>Contam-a-trol</b>	Model Contam-a-trol is a roll-around, fan-powered, vertical airflow unit designed for easy movement through hallways and corridors to where you need immediate air purification outside your existing HVAC system. No installation required; just plug into a standard 110/120 VAC outlet.



### 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 grid 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 grids 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
- Safety Door Switch Assembly
- Differential Pressure Switch

CosaTron is represented by:

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