

*Operations & Maintenance Manual*

**CSA 600 Series**  
**General Manual**

Applicable For Models CSA-625, 626, 6B5, 6B6

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***We Make Clean Air***

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## 1.0 INTRODUCTION

You are now the owner of a **Quatro CSA System**, an advanced effective indoor air purification system designed specifically for the removal of particulate matter and gas phase contaminants. You can expect a noticeable improvement in air quality as the **CSA** begins the process of reducing microscopic airborne particulate as well as harmful and odorous gases.

## 2.0 SAFETY PRECAUTIONS

Read all of the instructions contained in this manual before operating this unit. Keep this manual, as it contains information for proper operation and maintenance. Keep all fastening hardware tight to ensure that the unit is in safe working condition. **Disconnect power prior to accessing unit, when checking or replacing filters, or replacing motor brushes.** All filters must be in place whenever this machine is in operation.

Use only on a grounded electrical circuit; do not use any two-wire electrical prong adapters to defeat the grounded plug on the end of the cord. When servicing the motors be careful when touching the exterior of the motor as soon as it has been turned off; it may be hot enough to be painful or cause injury. With modern motors, this condition is normal when operated at rated load and voltage, as they are built to operate at higher temperatures. Do not substitute any other filters (particulate or chemical) for those supplied, as this will alter the design characteristics and may void warranty.

**DO NOT ACCESS UNIT UNLESS UNIT IS UNPLUGGED FROM RECEPTACLE (ITS POWER SUPPLY)!**

### Warning:

This is a class A product. In domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

## 3.0 PRINCIPLE OF OPERATION

The **CSA** features a progressive filtration sequence method of operation;

- 1) Captures general particulate;
- 2- Captures fine particulate matter;
- 3- HEPA filter removes microscopic particulate matter;
- 4- Chemically adsorbs, reacts or scrubs toxic or nuisance gases;

## 4.0 SYSTEM COMPONENTS

**CABINET:** Attractive air-brushed finish. The **CSA** is mounted on casters to ease portability.

**Example of FILTER SEQUENCE:**

Filter #1 Multi layer bag filter (Quatro PN: 5-pack AG-128)

Filter #2 6" pleated cardboard filter (Quatro PN: F073)

Filter #3 99.97% 2" HEPA Filter (Quatro PN: F074)

Filter #4: Custom blend chemical filter module for Rubber stamp applications (Quatro PN AG094)

Application specific filter sequences available (Contact us for more information)

**BLOWER ASSEMBLY:** The blowers are tested to ensure quiet, vibration-free operation. The blower(s) in the **CSA-600 series system** features a mounting system designed to reduce vibration.

**CONTROLS:** Externally visible: ON/OFF switch, externally reset circuit breaker, a potentiometer to adjust airflow as required. Optional Vacuum switch for auto shutoff when pressure becomes too high. Optional remote on/off capabilities are accomplished through pins #3 & #4 on a Sub D 9 pin connector for 12VDC or 24VDC signals or through pins #1 & #2 for dry contact (Only 1 type of remote control input is supplied) **DO NOT SUBSTITUTE ONE TYPE OF REMOTE FOR ANOTHER. THERE ARE 3 DISTINCT TYPES. IF YOU ARE NOT SURE WHAT TYPE YOUR SYSTEM IS EQUIPPED WITH PLEASE CONTACT FACTORY BEFORE USING THE REMOTE OPTION.**

Optional Unit Status external signal through pins 5 & 6 of standard Sub D9 connector (This option closes the circuit across pins #3 & #4 and cannot send out a voltage)

**AIR SUPPLY:** 1.5", 2.5", 3" or 4" diameter collar, mounted on the side of the unit with heavy duty flexible hose.

**POWER CORD:** 8' long electrical power cord

## 4.1 UNIT SPECIFICATIONS

<b>Model</b>	<b>CSA-600 series</b>		
<b>Dimensions:</b>	Height: 47"(1194mm)	Length: 25"(635mm)	Width: 16"(406mm)
	(add 2" for bend on power cord)		
<b>Voltage / Current:</b>	Max. 120/1/60 North American 15 Amps, 230/1/50 European 8 Amps		
<b>Approximate Weight:</b>	100 lbs.(46kg) (w/o filters) 160 lbs(73kgs) (with filters)		

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## 5.0 UNIT RECEIVING INSTRUCTIONS

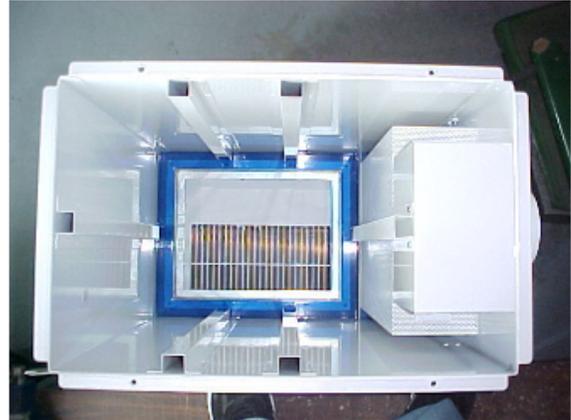
### 5.1 UNIT INSPECTION

Upon receipt, inspect unit for either visible or concealed damage. Damage should be immediately reported to transport company. The **CSA-600** series unit is delivered w/o any filters installed in the system. Remove unit from its box. Shipped inside the box you will find the heavy duty flexible hose.

#### PRE START-UP Filter Installation

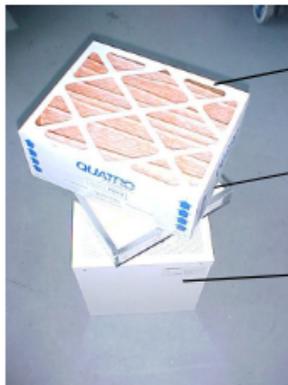


Filter access screws



Filter section with Gel

- 1) Ensure that you have received all necessary filters
- 2) Upon removing the unit from its box, ensure the unit is standing on its wheels;
- 3) Ensure that blue gel has remained in track during transport ( If not please contact factory)
- 4) Remove plastic wrapping chemical filter (individually packaged). Use the handles on the chemical filters to lower carefully into the unit.
- 5) Lower the filters into the unit in the following order:
  - a. Chemical Module (AG094/AG099/AG111/AG097)
  - b. HEPA Filter (F074 Or F075) **Gasket Side Face Down**
  - c. Pleated Cardboard Filter (F073)



c) F073 Pleated Filter

b) F074 Or F075 HEPA Filter

A )AG099/AG094/AG111/AG097  
Chemical Module

- 1) Replace the Top Plate and screw down 4 knobs:
- 2) Plug unit into an appropriate grounded receptacle and turn unit ON
- 3) If unit has an interlock ensure that the switch is in the auto position and that the 12VDC or 24 VDC interlock power is connected across pins #3 & #4 or that a dry contact is connected across pins #1 & #2.