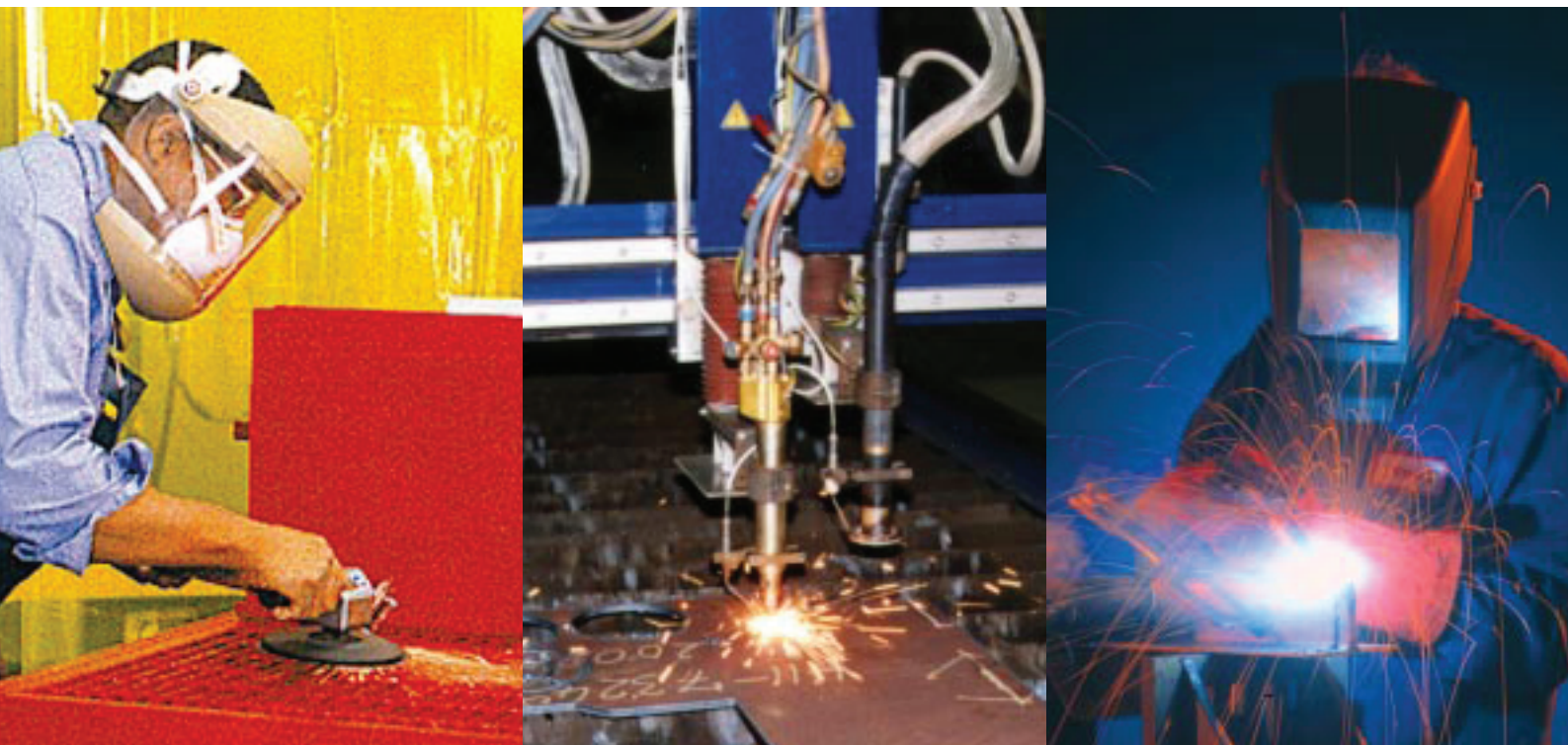


Lets clear the air



CV/CM Modular Cartridge Air Filters for Commercial/Industrial Applications

50
Years of Indoor Air Quality

TRION®

Over recent years a growing body of scientific evidence has indicated that the air within our homes and other buildings can be more seriously polluted than the outdoor air in even the largest and most industrialised cities. It also indicates that people spend approximately 90% of their time indoors.

Indoor pollution is made up of pollens, dust, tobacco smoke, spores, cooking fumes, welding fumes, oil mist, aerosols, exhaust fumes and even bacteria and viruses, these pollutants circulate throughout the environment.

They are trapped by the energy saving advances of tighter construction and better insulation so not only is outdoor air kept out, but indoor air is sealed in giving rise to lethargy and general malaise, commonly known as Sick Building Syndrome.

TRION®

TRION AIR PURIFIERS

For more than 50 years, Trion has been a pioneer and market leader in the development, manufacture and marketing of air purifying equipment. Its business is related to products which help improve the quality of indoor air and conserve energy.

Trion manufactures and markets worldwide a complete range of air purification equipment covering the widest range of applications in the domestic, commercial, industrial and marine markets.

FROM SUBMARINES TO SKY SCRAPERS

Trion air purifiers use the same principle to improve the quality of air in your home, office and factory as is used in the sophisticated systems we have designed for the US, UK and other European submarine fleets.

At Trion, we believe that just because most air cleaners resemble each other on the outside, they do not necessarily operate the same on the inside. The products described in this brochure were designed to do the things our competitors can't.

For over 50 years Trion have been at the forefront of electronic air purification technology, and people around the world enjoy the benefits of breathing clean air whether at home, work or at leisure, thanks to Trion.



HOW TRION CM / CV CARTRIDGE AIR CLEANERS WORK

Contaminated air is drawn through high efficiency cartridge filters, where the particulate is collected on the media. Filtered air is pulled through the system and exhausted. Direction of exhaust can be varied.

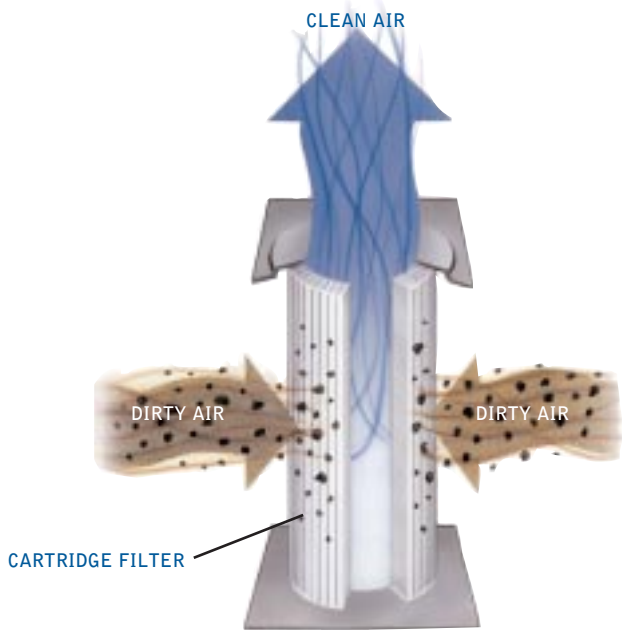
APPLICATIONS

For industrial work environments, Trion cartridge dust collection systems are excellent for fixed applications.

- Heavy Smoke from Welding and Laser Cutting
- Grinding Dust and Metal Fines
- Pharmaceuticals
- Heavy Powders
- Process Dust from Food Processing, Packaging, etc.

BENEFITS / ADVANTAGES

- Over 99% efficient down to 0.5 micron
- Very high surface collecting area
- Easily cleaned with automatic pulse-jet, reducing maintenance downtime and extending filter life
- Contains and captures contaminants for recycling or easy removal
- Effectively handles heavy duty cycle applications

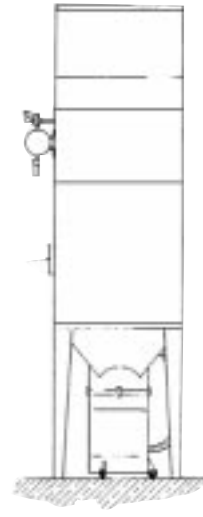
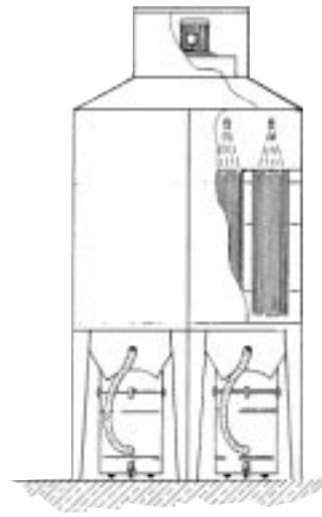


OTHER CONFIGURATIONS ARE AVAILABLE TO SUIT YOUR APPLICATION





Model CV4 shown



TRION CV MODEL

The TRION CV Series units are freestanding, self-cleaning cartridge filters suitable for the removal of most dry smoke and dusts (not explosive or flammable).

The filter cabinet is made from 1.5mm welded sheet metal. The unit is supplied on a stand with a collection hopper and dust barrel which can be easily removed and emptied.

The self-cleaning system utilises compressed air which is stored in tanks on the outside of the unit. The compressed air is led directly through the tank into the cartridges. Alternatively, the cartridges can be cleaned during operation (on-line) or through pressure difference, which saves on compressed air. Additionally, there is an off-line cleaning system installed. The control box with a filter monitoring mechanism for cleaning is included. The interval-pulse sequences are individually adjustable as are the δ -p-value settings.

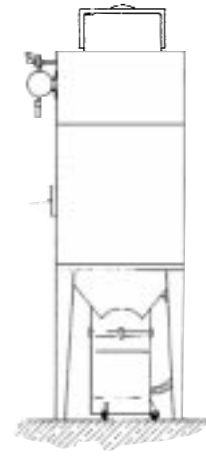
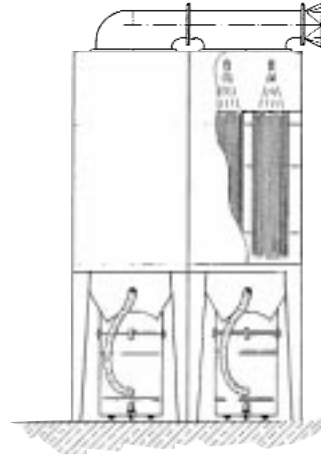
PRODUCT	CV2	CV4
Max Air Vol m ³ /hr *	2040	4080
No. of Cartridges	2	4
Filter Area total	52m ²	104m ²
Noise level dBA*	75 dBA	75 dBA
Input Voltage	400V/3ph/50Hz	400V/3ph/50Hz
Power	3.0 Kw	5.5 Kw or (2 x 3.0 Kw)**
Efficiency	99.93%	99.93%
Cleaning System	Pulse-Jet	Pulse-Jet
Dust Collection Hoppers	1	2
Inlet Connection	200mm x 1	200mm x 2
Height Inlet Connection (mm)	1460	1460
Height (mm)	3170	3491 (3170)
Width (mm)	750	1500
Depth (mm)	850+200 Tank	850+200 Tank
Weight (kgs)	318	455
Nominal Resistance (Polyester Cartridge)	1500 PA	1500 PA
External available Pressure	900 PA	1600 PA (900 PA)

* Depending on configuration

** Alternatively available with 2 x 3.0 Kw or 1 x 5.5 Kw



Model CM4 shown



TRION CM MODEL

The TRION CM Series units are also freestanding and self-cleaning cartridge filters but without integral fan. Air movement is provided by other external sources.

The self-cleaning system process is exactly the same as the CV model. For both the CM and CV changing the cartridges is made easy by the large doors on the front of the unit. The larger dust particles are led directly into the collection hopper through a baffle which is installed at the air inlet.

The filter cabinet is also made from 1.5mm welded sheet metal. The unit is supplied on a stand with a collection hopper and dust barrel which can be easily removed and emptied. The unit price includes a compressed air maintenance system with a reverse-safety valve, water filter and pressure valve.

CM2	CM4	CM6	CM8
2000	4000	6000	8000
2	4	6	8
52m ²	104m ²	136m ²	208m ²
-	-	-	-
230/1ph/50Hz	230/1ph/50Hz	230/1ph/50Hz	230/1ph/50Hz
-	-	-	-
99.93%	99.93%	99.93%	99.93%
Pulse-Jet	Pulse-Jet	Pulse-Jet	Pulse-Jet
1	2	3	4
200 x 1	200mm x 2	200mm x 3	200mm x 4
-	-	-	-
2450	2450	2450	2450
750	1500	2250	3000
850+200 Tank	850+200 Tank	850+200 Tank	850+200 Tank
260	520	780	1040
1500 PA	1500 PA	1500 PA	1500 PA
-	-	-	-

OTHER TRION PRODUCTS

INDUSTRIAL
(PACKAGED ELECTRO STATIC AIR CLEANERS)



INDUSTRIAL
(CARTRIDGE AIR CLEANERS)



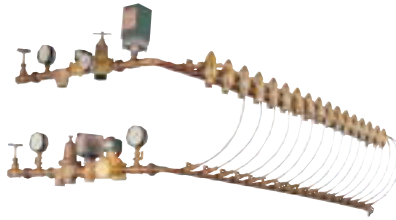
INDUSTRIAL
(MEDIA AIR CLEANERS)



COMMERCIAL
(ELECTRO STATIC AIR CLEANERS)



HUMIDIFICATION
(HUMIDIFIERS)



PORTABLE
(ELECTRO STATIC AIR CLEANERS)



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