



Model CM4 (shown)

## Model: CM2

The TRION CM 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 X-P-value settings.

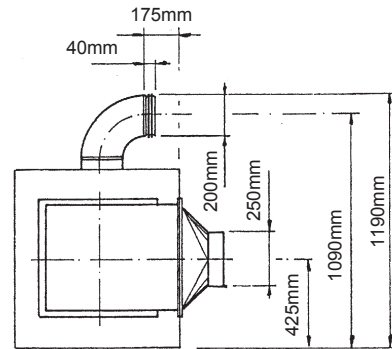
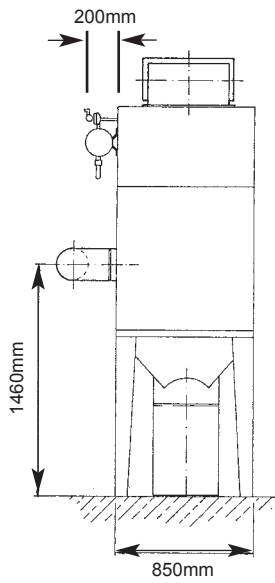
Changing the cartridges is made easy by the large doors on the front of the unit. The larger dust particles are led directly into the collection hopper through a baffle which is installed at the air inlet.

The unit price includes a compressed air maintenance system with a reverse-safety valve, water filter and pressure valve. The compressed air can be alternatively be supplied through a flexible hose with a standard coupler plug or through a stiff tube system. Inlet duct shown is an optional extra.

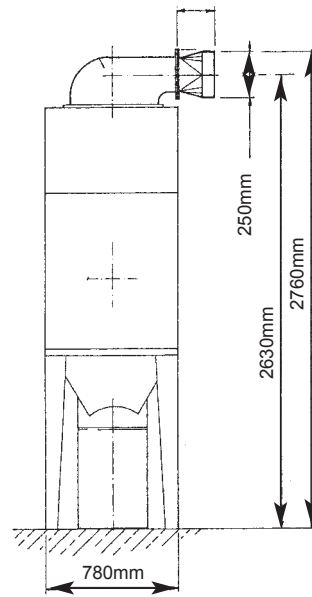
| Technical Details                               | CM2                                   | CM4           | CM6           | CM8           |
|---|---------------------------------------|---------------|---------------|---------------|
| Average Air Volume m <sup>3</sup> /h            | 2000                                  | 4000          | 6000          | 8000          |
| Filter Area m <sup>2</sup><br>(Polyester BIA-C) | 2 x 11.5 = 23                         | 4 x 11.5 = 46 | 6 x 11.5 = 69 | 8 x 11.5 = 92 |
| Filter Area m <sup>2</sup><br>(Cellulose BIA-C) | 2 x 26 = 52                           | 4 x 26 = 104  | 6 x 26 = 156  | 8 x 26 = 208  |
| Efficiency                                      | 99.93%                                | 99.93%        | 99.93%        | 99.93%        |
| Width mm  | 750                                   | 1500          | 2250          | 3000          |
| Depth (mm) unit + tank                          | 850 + 200                             | 850 + 200     | 850 + 200     | 850 + 200     |
| Height less outlet duct                         | 2450                                  | 2450          | 2450          | 2450          |
| Height with outlet duct                         | 2760                                  | 2788          | 2960          | 3060          |
| Weight kg                                       | 260                                   | 520           | 780           | 1040          |
| Input Voltage                                   | 230v/1ph/50Hz                         | 230v/1ph/50Hz | 230v/1ph/50Hz | 230v/1ph/50Hz |
| Cleaning System                                 | Pulse Jet                             | Pulse Jet     | Pulse Jet     | Pulse Jet     |
| Dust Collector                                  | 1                                     | 2             | 3             | 4             |
| Inlet connection (mm)                           | 1 x 200                               | 2 x 200       | 3 x 200       | 4 x 200       |
| High Inlet connection (mm)                      | 1460                                  | 1460          | 1460          | 1460          |
| Nominal resistance through unit                 | Cellulose 1000 PA / Polyester 1500 PA |               |               |               |

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## General Specification



## HOW IT WORKS



**TRION**  
Air Purification Systems