

CITY M AIR PURIFIER

TECHNICAL MANUAL



This manual includes product details, usage instructions, technical specifications, and illustrations to assist the user in application of the Camfil City M in the most efficient manner. It also includes maintenance and safety procedures associated with the use of the City M. Information in this manual is subject to change without notice. Updated versions may be found at www.camfil.us.

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WARRANTY AND RETURN POLICY

Camfil warrants the City M to be free of defects in material and workmanship for a period of one year from date of purchase. Contact your authorized Camfil distributor or Camfil for service.

Camfil will accept return of the unit provided the following conditions are met:

- The buyer can pay return shipping on an unopened/new unit for a full refund within 30 days of original purchase.
- If a unit does not function properly upon receipt, Camfil will replace the defective unit and pay shipping costs for the return of the damaged unit.
- The buyer can return a used unit within 30 days of delivery and pay shipping plus \$200 return fee (replacement filter and repackaging costs).

For service, returns or technical assistance contact your local Camfil distributor or:

Camfil USA, Inc.
200 Creekside Drive
Washington, NC 27889
Tel: (252) 975-1141
Email: Sales-WA@camfil.com
Web: www.camfil.com

IMPORTANT!

Before using your Camfil City M air purifier, it is important that you:

- 1) Read this User Manual.
- 2) Read the operating instructions on page 6.
- 3) Follow the safety instructions.

All Camfil City M air purifiers have an identification plate located adjacent to the power supply. Please have the information from this plate available if discussing the unit with the Camfil servicing facility or include in any correspondence relating to the product.

PHYSICAL DATA & TECHNICAL SPECIFICATIONS

Dimensions, Weight & Operating Temperature Range

Height (inches)	27.6
Wide (inches)	12.9
Depth (inches)	13.3
Weight (pounds) including installed filters	35.27
Individual filter module weight (pounds)	8.75 (2 required for operation)
Minimum Ambient Temperature	-13 F
Maximum Ambient Temperature	140 F

ELECTRICAL DATA

Operating Voltage	110-120 Volts
Frequency	50-60 Hz
Motor Speed	3200 RPM (max)
Power	55 Watts (max)

FAN PERFORMANCE

Camfil City M with Filters Installed

Speed	Airflow (cfm)	Energy (watts)	Noise (dBA)
1	22	4	16
2	39	5	16
3	56	6	16
4	75	7	22
5	148	19	38
6	256	55	53

USE

The City M Air Purifier is designed as a standalone or to act as a supplement to existing ventilation systems to remove particulates and gases from the conditioned space. Common applications include office and professional environments, educational facilities, medical examination areas, waiting rooms and patient care areas, lodging and hospitality, locker rooms, workout areas and gymnasiums. Camfil does not warrant the City M products' suitability for any specific application, consult your local air quality professional for guidance.

SAFETY INSTRUCTIONS

Read the technical manual and follow the instructions. The machine's power supply must be disconnected during installation, servicing, maintenance, and filter replacement.

CAUTION: Disconnect power by pulling the plug or use the safety switch when servicing the unit. The machine is not de-energized until 5 minutes after disconnection from the power supply.

1. Rotating parts do not stop immediately. Disconnect the power supply and/or make sure the power switch is in the off position. Allow 5 minutes to elapse before servicing parts internal to the unit.
2. The City M should only be used for air purification related to dry, non-explosive particulate and non-explosive gaseous contaminants. If the City M Air Purifier is used for applications other than those listed in this manual or not under the guidance of a professional, Camfil assumes no liability for the consequences of its use in unauthorized applications.
3. The City M is designed to be a portable air purifier, fixed installations should be performed by an installation professional who assumes complete liability for the fixed installation.
4. All accessories, filters, spare parts, or add-ons used, must be approved by Camfil. All warranties become immediately void if non-Camfil components are used. Please contact Camfil for the correct filter replacements, replacement parts and accessories.
5. Do not cover inlets or outlets, or insert objects through the air outlets or inlets.
6. The unit must not be used in environments where burning or smoldering objects can get into the unit.
7. The unit is for indoor use only.
8. The approved operational temperature range is: -13° F to 140° F (-25° C to 60° C).
9. The unit must not be exposed directly to water. High humidity (>85%) can affect the adsorber filter performance, optimum operating humidity range is 20% to 70%.
10. Adhere to filter handling and replacement instructions carefully. Incorrect handling can damage the filter medium and filter performance may be negatively affected.
11. Use caution when handling used filters. Incorrect handling may result in ill health or sickness. Follow the instructions for filter replacement.

DESIGN

The unit is a self-standing one-section housing with two filters, fan section, fan control and electrical connections. The machine is constructed of aluminium and plastic parts and is environmentally friendly and recyclable.

STANDARD COMPONENTS

In its standard version, the air purifier is supplied with the following components:

• One Camfil City M unit	• Technical Manual
• One set of standard HEPA/adsorber combination filters	Electrical connector
• Fan instructions	

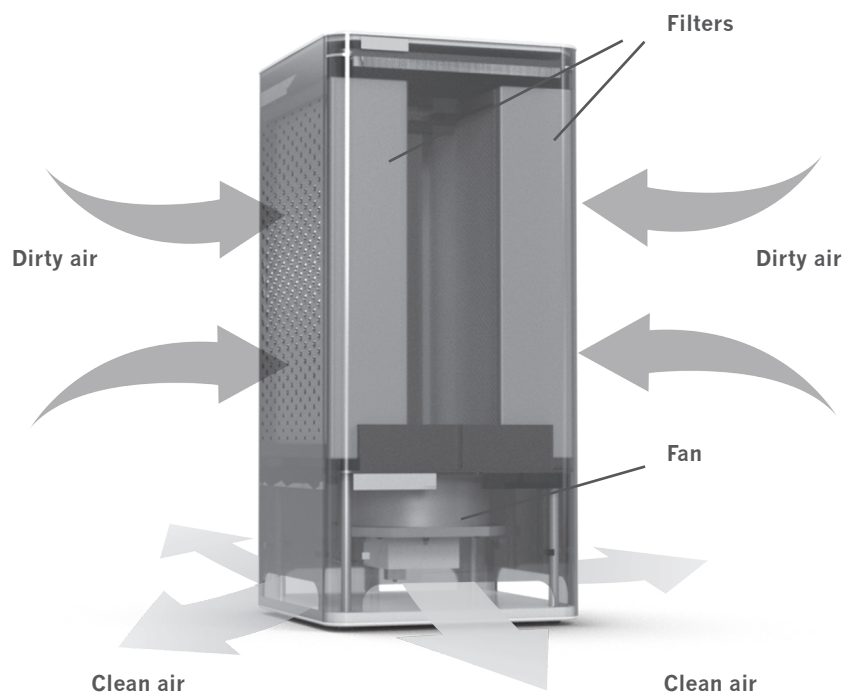
If anything is missing, or if you require further information about accessories, please contact Camfil.

TRANSPORT AND UNPACKING

Remove all packaging carefully. If sharp objects are used to unpack the unit, be careful not to damage the machine's cables and design finish. Take special care when handling the filters. See the filter replacement section.

Check that the product has not been damaged during transport. Report any transport damage to the carrier. Confirm the delivery is complete.

AIR FLOW DETAILS



OPERATING THE UNIT

Connect the air purifier to a 110-120 VAC electrical outlet. Ensure that there is nothing obstructing the air outlets or inlets.

Controller card description

- Press + (plus) to increase the airflow. The blue LED indicators will guide you to the airflow you have chosen (see page 3 for airflow rates).
- Press – (minus) to lower the airflow.
- A **red warning light** will be lit at the filter change symbol, when it's time for filter replacement.
- When the red warning light has been lit and filters are replaced, you need to calibrate the unit by pressing **+ and- at the same time and hold for 5 seconds**. Calibration ensures the warning light will function when it's time for the next filter replacement.
- On the back side of the unit is the electrical connector with fuse holder and identification plate.

POSITIONING OR UNIT PLACEMENT

The unit must always be positioned and used indoors only. Air outlets and intakes must not be obstructed during use. Before operating the air purifier, ensure there is sufficient space (6") around the outlet and inlet.

ELECTRICAL CONNECTION

Electrical connection must be carried out by a qualified electrician. All routing of cables, etc., must be carried out in accordance with relevant regulations. The unit comes from the factory ready for plugging in. Any alterations to the machine's internal electrical systems must only be carried out by appropriately qualified persons using equipment supplied by Camfil.

The unit must only be connected to the network voltage stated on the machine identification plate.

PRODUCT AND THE ENVIRONMENT

The air purifier is made from lead-free components. It can be recycled. Used models must always be sent to a recycling station for correct recycling and/or disposal of parts and components.

FILTERS AND THE ENVIRONMENT

Note that filters must not be disposed of with ordinary household waste. Scrapped filters must be handled safely. Recycling or disposal must always be carried out at an approved waste facility. If you have any questions about this, please contact your local authority or distributor for advice on correct disposal procedures.

MAINTENANCE

If necessary, the unit can be cleaned using a mild cleaning agent.

Before cleaning, always switch off the machine and pull out the electrical connector!

INSTRUCTIONS FOR REPLACING FILTERS

1. Power off the unit by turning the safety switch or remove the electrical connector. Make sure that the blue operating LED is off. Wait 5 minutes.

2. Lift the top cover off the unit.



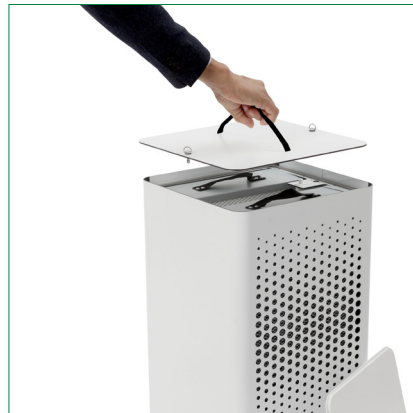
3. Push the two buttons and lift up the hatch.



4. Take a firm grip and then pull the hatch upwards.



5. Grip the handle on top of the filter and pull it towards you. Put the filter in a plastic bag. Repeat procedure on the other filter and place in a plastic bag.



6. Take a new HEPA filter out of its box. Do not touch the filter's surface. Hold the handle only.

Put the filter in position and press down against the pattern of holes. The black gasket must be towards the hole pattern of the unit.



Do steps 1- 6 in reverse order.



CAMFIL is the world leader in air filters and clean air solutions.

Camfil is the global industry leader in clean air solutions with 50+ years of experience. Our solutions protect people, processes and the environment to benefit human health, increase performance, and reduce and manage energy consumption. Twenty-five manufacturing plants, six R&D sites and over 65 local sales offices worldwide provide service and support to our customers. The Camfil Group is headquartered in Sweden but more than 95% of sales are international. The Group has around 3,800 employees and sales more than 700 million dollars.

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