

CITY M CONNECT CITY L CONNECT AIR PURIFIERS



USER GUIDE



IMPORTANT SAFETY INSTRUCTIONS!

READ ALL INSTRUCTIONS BEFORE USING YOUR APPLIANCE.

Unplug from outlet when not in use and before conducting maintenance. When using an electrical appliance, basic precautions should be observed, including the following:



WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY:

1. Always connect to a polarized outlet (one slot is wider than the other). Do not modify the polarized plug to fit a non-polarized outlet or extension cord.
2. Read the technical manual and follow the instructions. The machine's power supply has to be disconnected during installation, servicing, maintenance and filter replacement.



CAUTION: TURN OFF THE MACHINE AND THEN PULL OUT THE ELECTRICAL CONNECTOR, ALWAYS FROM THE POWER SOURCE FIRST, WHEN WORKING ON THE PRODUCT. THE MACHINE IS NOT TO BE REGARDED AS DE-ENERGISED UNTIL 5 MINUTES AFTER DISCONNECTION FROM THE POWER SUPPLY.

Rotating parts do not stop immediately once power has been cut or the machine has been switched off. **ALLOW 5 MINUTES TO ELAPSE BEFORE HANDLING THE CABINET.**

3. In its standard version, this product must only be used for handling dry non-explosive materials. If the air purifier is used for purposes other than those set out in the Technical Manual, or is handled otherwise than set out therein, Camfil AB can accept no liability whatsoever for the consequences of said use/handling.
4. **NOTE:** Fixed installation may only be carried out by a professional with the appropriate qualifications who takes responsibility for the installation.
5. The machine must **NOT** be used in ATEX classified areas or where explosive gases may be present at any time.
6. The machine is provided with 4 wheels on its bottom plate so as to help positioning. Please follow procedure set out in section 14 "Positioning" of this Technical Manual. To carry the machine without the wheels, two (2) people are needed.
7. All accessories, filters, spare parts, etc. used, must be approved by Camfil. Guarantee undertakings cease to apply if the foregoing is not respected. Please contact Camfil for the correct accessories.
8. Do not cover inlets or outlets.
9. Inserting objects through inlets or outlets is forbidden.
10. The unit must not be used in environments where burning / smouldering objects can get into the machine.
11. The unit must be used indoors only.

12. The unit must be used in the -25°C – +60°C temperature range only.
13. The unit must not be drenched with water. The highest permitted humidity is 85% if a carbon filter is used.
14. Follow the filter handling and replacement instructions very carefully. Incorrect handling can damage the filter medium and the guaranteed filter class will not be achieved as a result.
15. Take great care when handling used filters. Incorrect handling can result in ill health or sickness. Follow the instructions for filter replacement.
16. This unit can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they have been given supervision or instruction concerning the safe use of the equipment and understand the resulting dangers. Children should not play with the device. Cleaning and user maintenance should not be performed by children without supervision.
17. To use the dashboard, the customer must connect the air cleaner to a Wi-Fi network with Internet connectivity. It is the responsibility of the customer to connect the air cleaner to a secure Wi-Fi network. The customer is recommended, from an information security perspective, to connect the air cleaner to a network that is separate from the network used for customer's core business data. The network should also filter incoming and outgoing traffic to the air cleaner. For authentication in the wireless network it is recommended to use WPA2-PSK with AES encryption.

CONTENT

1	Symbols	4
2	Contents	5
3	Version history	5
4	Identification plate	5
5	Technical specifications	6
6	Fan specifications	6
7	Air flow	6
8	Air flow details	7
9	Taking into operation	8
10	Use	12
11	Design	12
12	Consistent standard components	12
13	Transport and unpacking	13
14	Positioning	13
15	Electrical connection	13
16	Product and the environment	14
17	Filters and the environment	14
18	Maintenance	14
19	Instructions for replacing filters	14
20	Filter replacement	15
21	Guarantees and undertakings	16
22	EU provisions governing the product	16
23	Spare part list	19

1 SYMBOLS

	EN Refer to instruction manual. SE Se instruktionsboken. DK Se brugsanvisningen. NO Se brukerhåndboken. FI Tutustu käyttöohjeisiin. DE Siehe Bedienungsanleitung. FR Reportez-vous au manuel d'instruction. ES Consulta el manual de instrucciones. IT Fai riferimento al manuale di istruzioni. NL Raadpleeg de gebruiksaanwijzing. PT Consultar o manual de instruções. RU См. руководство по эксплуатации. SK Prečítajte si návod na použitie. CH 请参阅说明手册。
	EN Dangerous voltage. SE Farlig spänning. DK Farlig spænding. NO Farlig spenning. FI Vaarallinen jännite. DE Gefährliche Spannung. FR Tension dangereuse. ES Peligro: alto voltaje. IT Tensione pericolosa. NL Gevaarlijke spanning. PT Tensão perigosa. RU Опасное напряжение. SK Nebezpečné napätie. CH 危险电压。
	EN Disconnect power before servicing. SE Koppla bort strömmen innan du utför service. DK Afbryd strømmen inden service. NO Koble fra strømmen før du utfører vedlikehold. FI Katkaise virta ennen huoltoa. DE Vor der Wartung vom Stromnetz trennen. FR Débranchez l'alimentation avant l'entretien. ES Desconecta la alimentación antes de realizar labores de mantenimiento. IT Spegni l'apparecchiatura prima della manutenzione. NL Ontkoppel de voeding vóór onderhoud. PT Desligar a alimentação elétrica antes de proceder à manutenção. RU Отключите питание, прежде чем приступить к обслуживанию. SK Pred vykonaním servisu odpojte napájanie. CH 维修之前, 请先断开电源。
	EN Caution. SE Var försiktig. DK Forsigtig. NO Forsiktig. FI Huomio. DE Vorsicht. FR Danger. ES Precaución. IT Attenzione. NL Opgelet. PT Cuidado. RU Внимание. SK Upozomenie. CH 警告。
	EN This symbol means to recycle. SE Denna symbol står för återvinning. DK Dette symbol betyder, at produktet skal genbruges. NO Dette symbolet betyr resirkulering. FI Tämä merkki kehottaa kierrättämään. DE Dieses Symbol bedeutet Recyceln. FR Ce symbole signifie « À recycler ». ES Reciclable. IT Questo simbolo significa che si deve riciclare. NL Dit symbool geeft aan om te recyclen. PT Este símbolo significa reciclar. RU Подлежит переработке. SK Tento symbol znamená recyklovať. CH 此符号表示回收。

2 CONTENTS

This technical manual is part of the documentation that must be available under appendix 5 of the machine directive. The purpose of the manual is to give details of the units design and how it works. New users must be able to work safely with this product. Web: www.camfil.com
Direct link to manual: <https://www.camfil.com/damdocuments/47006/1097499/user-guide-citym-citys-eng-eu-2020-12-17.pdf>

This manual gives details of the product and must not be used for any other machine. Besides short explanations of what the machine is used for, the first few sections also give some technical specifications. After these, there are illustrated texts about the various parts that make up this product. The user manual also includes details of safety procedures associated with the use of the machine.

IMPORTANT!

Before using your high quality air purifier, it is important that you, as the user:

- 1) read this User Manual
- 2) follow the safety instructions in both documents.
- 3) visit the term of Use section on the Camfil website at <https://camfil.com/terms-and-conditions/digital-services> to see the current status.

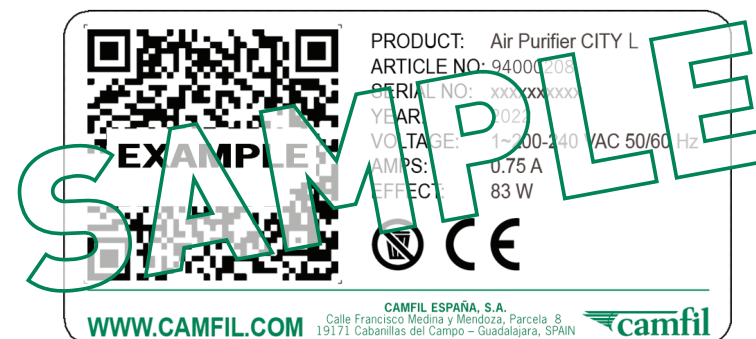


3 VERSION HISTORY

Version	Date	Signature	Altered
001	See approval		

4 IDENTIFICATION PLATE

All Camfil City M/City L Connect air purifiers have the identification plate at the power supply to the unit.



5 TECHNICAL SPECIFICATIONS

External dimensions, vertical model

	City M Connect	City L Connect
Height (mm)	720	960
Width (mm)	340	495
Depth (mm)	345	410
Weight (kg)	15.0 (including new filters)	25.0 (including new filters)
Filter weight (kg)	2.0 kg (2 filters are needed)	4.1 kg (2 filters are needed)

6 FAN SPECIFICATIONS

Phase		1~
Nominal voltage	VAC	230
Nominal voltage range	VAC	200 .. 240 (120 US/CAN)
Frequency	Hz	50/60
Type of data definition		ml
Speed	min ⁻¹	3200
Power input	W	83 (110 US)
Current draw	A	0.75 (2-1.55 US)
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	+60

ml=max.load; subject to alterations

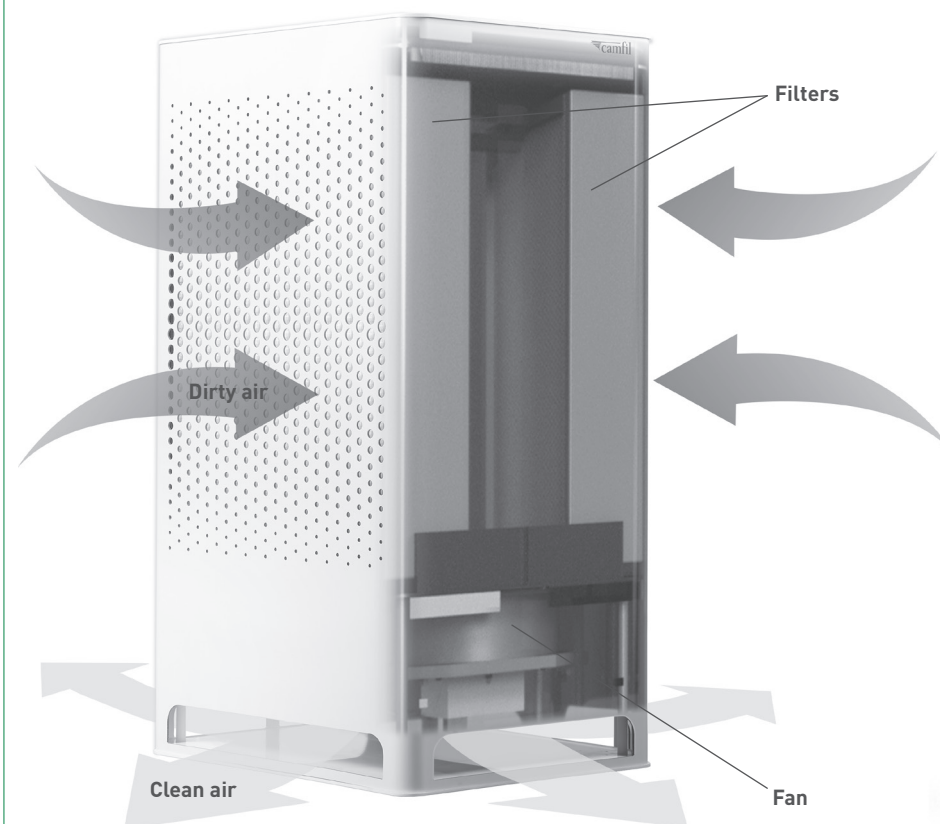
7 AIR FLOW

With filter H14 with odour, VOC & ozone removal

	City M Connect			City L Connect		
Step	Qv [m³/h]	Pe [W]	LpA* [dBA]	Qv [m³/h]	Pe [W]	LpA* [dBA]
1	37	9	16	150	9	26
2	67	10	21	250	16	34
3	94	11	28	350	25	39
4	127	12	35	430	37	43
5	251	24	45	500	47	46
6 Max.	430	60	54	650	83	52

*Tolerance +/- 10% (Measurement performed at 1 m from the source)

8 AIR FLOW DETAILS



9 TAKING INTO OPERATION

First, read the entire Technical Manual.

ONLY APPROPRIATELY QUALIFIED ELECTRICIANS MAY CARRY OUT WORK WITH ELECTRICAL CONNECTIONS. YOU MUST BE ABLE TO TURN OFF THE POWER SUPPLY WITHOUT TOUCHING THE UNIT. Connect the air purifier to the electrical outlet. Ensure that there is nothing obstructing the air outlets / inlets (see figure below how to operate).

MAIN SCREEN

In the upper half of the display there is an air quality indicator. This indicator will show "fill" or "empty" depending on the air quality in real time. The higher the air quality, the fuller the indicator. At the same time, the colour of the indicator will change according to the quality.

The higher the quality the colour will change to a light turquoise and the lower the quality the colour will change to a dark purple. These colours correspond to the colours used on the dashboard web page. The change of colour is produced by jumps of 5% in quality, i.e. from 0% to 100% we have 20 defined colours.

Inside the indicator there is a text that indicates the quality range we are in:

- **Poor:** < 20%
- **Fair:** < 40%
- **Average:** < 60%
- **Good:** < 80%
- **Excellent:** > 80%

The text "Indoor Air Quality" is used as a title and does not change at any time.

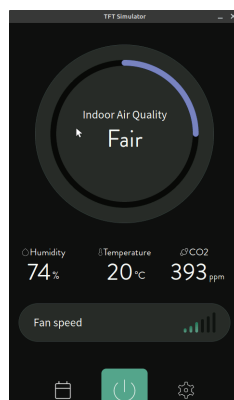
The lower half is further divided into 3 sections. From top to bottom:

1 Environmental values: These are measures of environmental qualities over which the device has no influence. (Humidity / Temperature / CO₂) The unit is capable of displaying these measurements due to its multiple sensors.

2 Fan speed selector: It is an action button, if we press it the application takes us to the fan speed/operation mode selection screen.

3 Button panel: This button panel has 3 buttons, from left to right:

- **Schedule:** when pressed, the application takes us to the schedule display/renewal screen.
- **Shutdown:** when pressed, the application takes us to the shutdown/reset screen.
- **Settings:** when pressed, the application takes you to the device settings screen.

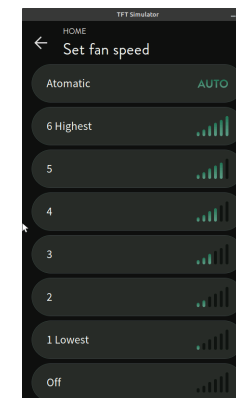


FAN SPEED/MODE SELECTION

This screen is used to select the speed/mode in which our fan operates. It can be called from the main screen to set the current speed/mode or from the calendar edition to select the programmed speed/mode.

The screen shows the following action buttons:

- **Automatic:** By pressing this button we indicate the system to manage the fan speed by itself, that is, depending on the air quality.
- **From 6 to 1:** We indicate to the system that the speed management will be manual and the level at which we want the fan to be set. Speed 6 is highly recommended for short quick air cleaning situations.
- **Off:** We indicate to the application to stop the fan.

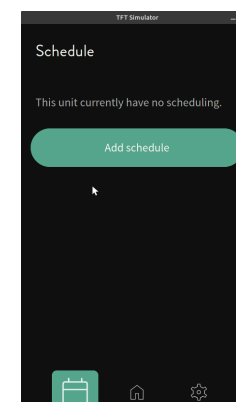


TIMETABLE

Add timetable

When we click on the timetable button and we have not yet defined a timetable, the application displays the following screen:

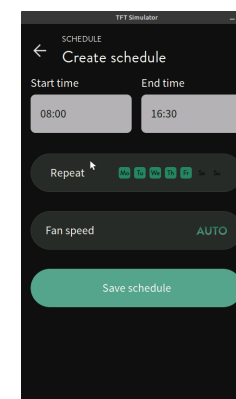
This screen shows a text warning us that the team has not yet defined a timetable and offers us an action button to add a new one. By pressing this button, the application will take us to the timetable editing screen.



EDITING TIMETABLE/SCHEDULE

In this screen we can configure all the aspects related to the timetable, from top to bottom:

- **Start time and end time.** These selectors allow us to choose the time at which the programmed operation of the equipment starts and ends. To select a time, simply press the selector and drag your finger up or down until the desired time is displayed.
- **Repeat.** This is an action button that takes us to the screen for selecting the days on which our programmed operation will take place.
- **Fan speed.** This is an action button that will take us to the speed/operation mode selection screen.
- **Save schedule.** When we have finished configuring the 3 options of our timetable, we can click on this button to save them. If any of the options are not configured, the button will be disabled, this is to avoid saving a timetable without the necessary configurations for its operation.



VIEW/EDIT/DELETE TIMETABLE

When we click on the timetable button and we have already defined a timetable, the application will show us the information about it and the possibility of editing it through the following screen.

The first section shows the **parameters of the timetable** configured in text mode: start/end times, days of the week when the timetable is active and speed/mode.

Next, the **"Edit timetable"** button is displayed, which takes us to the Edit timetable screen so that we can modify the parameters of the timetable we have already set.

Finally, the **"Delete timetable"** button is displayed, which takes us to the timetable deletion confirmation screen.

CONFIRMATION OF DELETION

This screen shows 2 action buttons: **cancel** or **confirm** the deletion operation.

ADJUSTMENTS

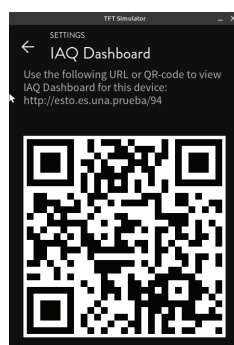
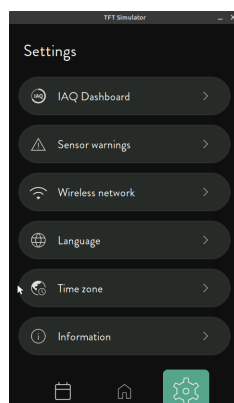
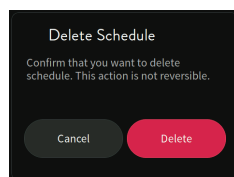
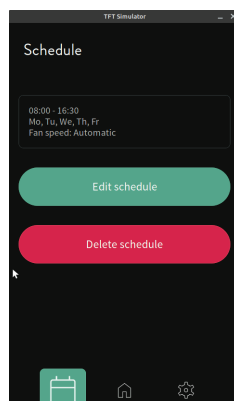
This screen is a menu in which we can choose which parameter / value we want to consult or modify. By pressing the corresponding button the application will take us to the chosen screen.

The possible options are:

- **IAQ panel**
- **Sensor warnings**
- **Wireless network**
- **Language**
- **Time zone**
- **Information**

IAQ PANEL

This page shows a URL and an analogous QR corresponding to the web of the equipment's information panel. This panel is unique for each unit and will show information about the unit and the environment where it is located.

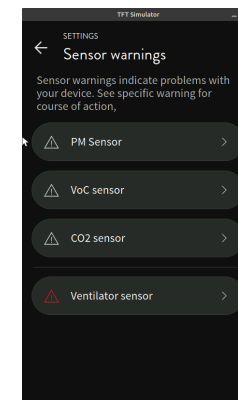


SENSOR WARNINGS

This screen shows a series of buttons corresponding to each of the sensors of the equipment. The sensors are:

- **Particulate Matter**
- **VOC sensor**
- **CO₂ sensor**
- **Fan status sensor**

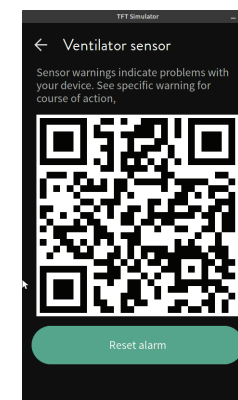
These buttons are inactive by default. In the event that the application detects a problem with any of them, it will show it by colouring the corresponding icon in red and will enable the button to be pressed. If pressed, the application will take us to the specific instructions screen for each sensor.



SENSOR WARNINGS (INSTRUCTIONS)

This screen shows a QR code corresponding to an URL of a Camfil website which will provide specific instructions to the user.

It also offers the possibility to reset the warning. By resetting the warning we are forcing the system to remove the sensor from the alarm state. This is to verify that the warning is caused by a persistent problem and not a temporary problem. In case the problem is real and persistent the sensor alarm state will occur again.

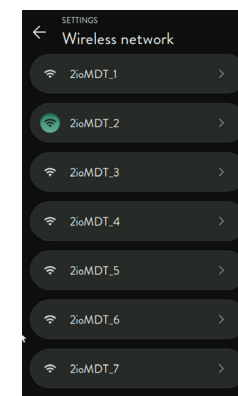


WIRELESS NETWORK

This screen will show a list of available wireless networks.

When booting for the first time, the system does not have any wifi configuration. During the boot it searches for all available networks, this first search is kept for **10 minutes** after the boot. After this time the equipment will perform a new search every time we enter this screen.

The result of this network search will be displayed on this screen sorted by signal strength. Each network will be expressed by means of a button with different functionalities.



To configure a network (**enter the key**), click on the icon located to the right of each button (**network**). When you click on it, the application will take you to the **password entry screen** and when you return from this screen, a loading icon will appear on the corresponding button indicating that it is trying to connect with the data entered.

If it connects, the icon to the left of the button will change to a green background indicating that we are connected to that network. Otherwise, the equipment will continue trying to reconnect until we indicate it to connect to another network or we modify the connection data.

The device is capable of storing up to **5 known networks**. Whenever it detects a known network it will try to connect to it in order of signal strength, i.e. it will try to connect first to the network with the strongest signal strength.

To select a network to connect to, simply click on the corresponding button and the equipment will try to connect to it with the password it has configured. If no password is configured, it will behave as if we had clicked on the arrow icon on the corresponding button, i.e. it will send us to the password entry screen.

10 USE

The air purifier is used to clean indoor air by mechanically filtering, through highly efficient filters. Development of the system is primary for expert users and installation companies for offices, hospitals and schools.

11 DESIGN

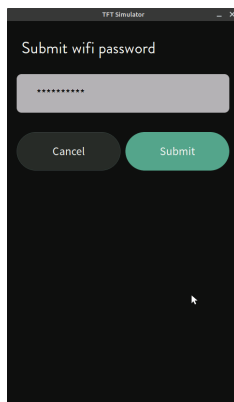
The unit is a self-standing one-section design housing the filters, fan section and all electrical connections. The machine is entirely constructed of aluminium and plastic parts and is therefore environmentally friendly and recyclable.

12 CONSTITUENT STANDARD COMPONENTS

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

- One City M Connect / City L Connect unit
- Filters for the chosen purpose
- Quick guide
- Technical Manual.
- Electrical connector

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



13 TRANSPORT AND UNPACKING

Remove the packaging carefully. If sharp objects are used to unpack the product, 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. Check also that the delivery is complete.

14 POSITIONING

The unit must always be positioned and used indoors only. Air outlets and intakes must not be obstructed during use. Before putting the air purifier in operation, ensure there is sufficient space (10 cm) around the outlet and inlet.

Procedure for moving the device is the following (only applicable for City L Connect):

1. Ensure that the breaking system of the wheels (two of them) is deactivated.
2. Move the equipment holding it at all times from the top.
3. Activate the breaking system of the wheels so as to prevent from undesired moving.

If desired, the wheels can be easily removed from the device. In this case, follow the procedure below (only applicable for City L Connect):

1. Place the device on a smooth horizontal surface.
2. Unscrew each of the four screws holding each wheel with a cross slot screwdriver.
3. Place the equipment in its operating position.

15 ELECTRICAL CONNECTION

The unit comes from the factory ready for plugging in. All routing of cables, etc., must be carried out in accordance with the relevant regulations and by an appropriately qualified electrician. 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 PLATE (IDENTIFICATION PLATE).

16 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.

17 FILTERS AND THE ENVIRONMENT

Note that filters must not be disposed of along with ordinary household waste. Scrapped filters must always be correctly taken care of and 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 care.



18 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!

REPLACING THE FUSE:

THIS OPERATION MUST BE CARRIED OUT WITH THE CITY L UNIT DE-ENERGISED.

1. Pull out the fuse cover using a flat-head screwdriver. The fuse cover is allocated on the bottom of the socket.
2. Carefully remove the fuse.
3. Replace the fuse with a fuse 2A 250V.
4. Close the fuse cover.



19 INSTRUCTIONS FOR REPLACING FILTERS

WARNING! When handling used filters, personal protective equipment such as protective gloves and masks must be used. To choose the correct type of respiratory protection, consult either the safety representative / officer at your workplace or the manufacturer of the respiratory protection.

Used filters may contain harmful substances and particles. With incorrect handling, these can escape to the environment and present risks of sickness and ill health.

Filters should be replaced on a continuous basis. See Camfil AB's recommendations concerning the frequency of filter replacements.

20 FILTER REPLACEMENT

ALWAYS USE PROTECTIVE GLOVES AND RESPIRATORY PROTECTION WHEN HANDLING USED FILTERS! Risk of ill health and sickness.

1. Switch off the unit by turning the safety switch or remove the electrical connector. Make sure that the blue operating LED's is off.
2. Lift off the top cover of the unit.



3. Push and unscrew the four buttons and lift up the hatch.



4. Use the handle and pull the hatch upwards.



5. Grip the filter and pull it towards you. Put the filter in a plastic bag. Do the same procedure on the other filter and put it in a plastic bag.



6. Take a new HEPA filter out of its box. **NB! DO NOT TOUCH THE FILTER'S SURFACE. HOLD THE FRAME ONLY!**

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



Do steps 1- 6 in reverse order.

21 GUARANTEES AND UNDERTAKINGS

The guarantee relates to full functionality as per the details in this User Manual and covers errors in software and hardware for a period of one year from the delivery date. Should the equipment develop a fault, please contact your direct sales contact person from Camfil or Camfil AB or visit the support section on the Camfil website at: <https://camfil.com/support/cityconnect/>

Contact:

CAMFIL SVENSKA AB.
Industrigatan 3
SE-619 33 Trosa, SWEDEN
Tel: +46 (0)156 537 00
Web: www.camfil.com

Manufacturer:

CAMFIL ESPAÑA, S.A.
A81052409
Avenida Juan Carlos I, 13, Planta 4
28806 Alcalá de Henares - Madrid, SPAIN

CAMFIL ESPAÑA, S.A.
Calle Francisco Medina y Mendoza, Parcela 8
19171 Cabanillas del Campo – Guadalajara, SPAIN

22 EU PROVISIONS GOVERNING THE PRODUCT

This product complies with EU standards as per the "Machinery Directive" (2006/42/EC), the "Low Voltage Directive" (2014/35/UE) and the "EMC Directive" (2014/30/UE).

Note that correct observance of the installation and safety instructions is a precondition for the compliance of all operating properties. For more details of technical specifications, the standards that have been complied with and Camfil's patents, please contact Camfil.





1. Product Name:

City M Connect & City L Connect

2. Manufacturer:

Camfil AB
Sveavägen 56E
11134 Stockholm, Sweden

3. This declaration of conformity is issued under the sole responsibility of Camfil AB

4. Object of the declaration:

The City M Connect and the City L Connect are air purifier including certified HEPA (H14) and Molecular (activated carbon) filters.



5. The object of the declaration described above is in conformity with the relevant Union harmonized legislation:

The Machine Directive MD 2006/42/EC
Electro Magnetic Compatibility EMC 2014/30/EU

6. Harmonised standards:

EN ISO 12100:2010
EN 60 204-1:2019
EN ISO 14118:2018

Signed for and on behalf of Camfil AB
Reinfeld, 03.03.2023

DocuSigned by:
Axel Mahler
629DA78B8BDC454...

Axel Mahler
Vice President Global Quality & Product Care

www.camfil.com

23 SPARE PART LIST

Replacement filter H14 according to EN1822 with an efficiency of 99.995% with integrated molecular filter for the elimination of unpleasant odours.



Article code 94000208
Description City L Filter
Molecular + H14
Plastic
Quantity per device 2



Article code 94000196E
Description City M Filter
Molecular + H14
Plastic
Quantity per device 2

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

For more than half a century, Camfil has been helping people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimize energy use, and benefit human health and the environment. We firmly believe that the best solutions for our customers are the best solutions for our planet, too. That's why every step of the way – from design to delivery and across the product life cycle – we consider the impact of what we do on people and on the world around us.

The Camfil Group is headquartered in Stockholm, Sweden, and has 30 manufacturing sites, six R&D centres, local sales offices in 35+ countries, and about 5,600 employees and growing. We proudly serve and support customers in a wide variety of industries and in communities across the world. To discover how Camfil can help you to protect people, processes and the environment, visit us at **www.camfil.com**.