INDUSTRIAL VACUUMS

USER AND MAINTENANCE BOOK

WM 375 BASIC
WM 350 BASIC



ATTENTION

Read the safety instructions and this manual before using the machine.

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SAFETY INSTRUCTIONS

OPERATOR SAFETY



IT IS NECESSARY THAT THE AUTHORIZED PERSONNEL AND MACHINE OPERATOR HAVE READ AND UNDERSTOOD THE MANUAL BEFORE USING THE MACHINE.

This use and maintenance manual will set out the guidelines and procedures that must be followed by those operating this equipment in order to guarantee:

- Operator safety
- Correct use of the machine
- Optimum performances

Before use, operators must be informed, instructed and trained in the use of the machine and the substances for which it must be used, as well as their proper disposal.
Due to the importance of this information, we recommend that the operator:

- Always keeps this manual close at hand for easy consultation
- Keeps the manual in a safe place in order to prevent loss or damage
- Asks the manufacturer/supplier for a replacement copy in case of loss or damage
- Supplies this manual and the manufacturer's details together with the machine if it is sold to a third party



THE USE OF THE MACHINE BY PEOPLE (INCLUDING CHILDREN) WITH LIMITED PHYSICAL AND MENTAL CAPACITIES OR LACKING IN EXPERIENCE AND KNOWLEDGE IS STRICTLY FORBIDDEN, UNLESS THEY ARE SUPERVISED BY A PERSON WHO IS EXPERIENCED IN THE USE AND SAFE HANDLING OF THE MACHINE. CHILDREN MUST BE SUPERVISED TO MAKE SURE THEY WILL NOT PLAY WITH THE MACHINE.

- Check that the vacuum cleaner hasn't been damaged in any way
- Never turn on the machine if it is faulty or if you suspect it is faulty
- Check that the switch isn't worn or damaged
- Use safety clothing
- Do not approach the suction intake of the machine with unfastened or broken garments that could easily be sucked into the machine
- Check that the filters are present and efficient
- Make sure that the filters are installed correctly and in full working order, always observing the regulations in force in the workplace
- Do not carry out repairs without the manufacturer's authorization
- Never use gasoline, solvents or other infiammable liquids for cleaning; only proper detergents should be used for cleaning
- Never move the machine by pulling the power cable or flexible hose
- Never direct the opening of the machine or the flexible tube towards people or animals
- Protect the machine from atmospheric precipitation
- Check that the machine is connected to a power source with the correct voltage indicated on the registration plate

- Make sure that the power cable has no wear or damage. if replacing the cable, always replace it with another of the same specifications as the original one: cables that are not approved or of inferior quality may overheat and cause serious injury to the user
- Make sure that the machine is connected to an appropriate power source in full working order (check the presence of a fully functional grounding socket)
- Repairs must only be carried out by authorised personnel and only when the machine is turned o and disconnected from the power source
- Never allow unauthorized personnel to use the machine
- Make sure that all safety devices are in full working order before turning on the machine
- Never cover the vacuum cleaner during use



DURING MAINTENANCE AND CLEANING OPERATIONS, THE OPERATOR MAY COME INTO CONTACT, WHILE THE MACHINE IS STOPPED, WITH PARTS OF THE VACUUM UNIT WITH SURFACES AT HIGH TEMPERATURES.

UNINTENDED USE

Strictly forbidden:

- Use with the air outlet partially or totally closed.
- When used in narrow areas where there is no fresh air.
- Vacuuming liquids with machine not equipped with specific original stopping systems.
- When not placed on horizontal level ground.
- When the filter unit is not installed.
- When the cooling vents are partially or totally clogged.

- Never suck up cigarette butts that have not been properly damped.
- Never suck up powders or liquids that are explosive by nature or incendiary or that may give rise to explosions.
- Never operate in environments where explosive gases and/or gases from toxic chemical products are present in the air.
- Check the suitability of the cartridge filter before sucking up toxic substances.
- Disconnect from the power outlet before accessing any electrical components of the machine.
- Do not modify the machine in any way.
- Do not use the machine in a way that does not comply with the requirements of this manual.
- It is not allowed to suck up corrosive gases, vapors and / or liquids.
- Do not leave liquid or powder inside the container and possibly dry the filter before storage.

PROPER USE

This machine is suitable for commercial use, in hotels, schools, hospitals, factories, shops, offices for example, for hire and in any case for purposes other than normal domestic use.
This machine is suitable for cleaning and vacuuming solid materials in indoor and outdoor environments.

GENERAL INFORMATIONS

Use the machine in accordance with the laws in force in the
country where it is used. Do not perform any operation that could jeopardize the safety of people, property and the environment.
Comply with the safety indications and prescriptions in this instruction manual.
The power frequency variation does not require any action on the part of the user.
The manufacturer reserves the right to update its products and manuals and is not required to provide updated versions of the them. The images are intended for reference only and are not binding in terms of design and equipment.
Request for a copy of the manual or the declaration of conformity, in paper or electronic format, must be requested from your dealer and / or the manufacturer COYNCO, info@coynco.it

SYMBOLS AND PICTOGRAMS PRESENT IN THE MANUAL



WARNING SYMBOL:
CAREFULLY READ THE SECTIONS MARKED WITH THIS SYMBOL AND OBSERVE THE INDICATIONS, FOR THE SAFETY OF THE OPERATOR AND THE MACHINE.



OPEN BOOK SYMBOL: USED TO TELL THE OPERATOR TO READ THE MANUAL BEFORE USING THE MACHINE.



WARNING SYMBOL: INDICATES DANGER OF CRUSHING HANDS.

SYMBOLS AND PICTOGRAMS VISIBLE ON THE MACHINE



HIGH VOLTAGE DANGER SYMBOL:
RISK OF ELECTROCUTION DANGER IN CASE OF ACCESS DURING MAINTENANCE TO ELECTRICAL EQUIPMENT WITHOUT HAVING TURNED OFF THE POWER SUPPLY.
IT REFERS TO THE SUCTION UNIT.



HIGH TEMPERATURE SYMBOL: CAUTION DANGEROUS TEMPERATURE.
INDICATES HOT SURFACE HAZARD IT REFERS TO THE MOTOR / TURBINE OF THE SUCTION UNIT.



SPECIFIC MARKING OF EXPLOSION PROTECTION
(EPSILON-X, IN THE HEXAGON)

WARRANTY

The vacuum cleaners manufactured by Coynco have been fully inspected to guarantee correct electrical, pneumatic and mechanical function. The vacuum cleaners are covered by a 12-month warranty. All defective parts of the machine are covered by warranty but this does not include parts damaged during shipping, handling or use nor does it cover parts damaged by normal wear and tear. Repairs can be carried out by an authorised service centre or directly by Coynco.

To request your warranty service you MUST send a written request to the dealer or directly to the manufacturer including the manufacturing details that can be found on the identification plate inside your machine together with a copy of the invoice.

The warranty is valid under the following conditions:

- Improper use of the machine or total or partial failure to comply with the contents of this manual.
- Any part of the vacuum cleaner is altered or modified in any way.
- Incorrect electrical installation.
- If the laws in the country of use are not respected.
- Inadequate maintenance.
- The machine has not undergone routine maintenance as specified in this manual.
- Use of spare parts that are not produced by Coynco or not specifically indicated for the model in use.
- Partial or total failure to comply with the instructions given in this manual.

PRODUCT DISPOSAL

Dispose of the machine and any accessories according to the legislation of the country.To avoid affecting the environment or your health or of others it is recommended to separate the machine from other waste, and if necessary properly recycle it.

DELIVERY AND HANDLING

All machines are carefully tested and checked by Coynco before delivery. The machine is transported inside a protective box or wrapped in a protective film that allows the courier to see the item during transport and is securely fixed to a pallet. If any part of the machine is not intact or has been damaged during transport, fillin an immediate complaint with the courier. Parts that have been damaged or broken due to incorrect transport or handling of the machine will not be recognised by the manufacturer's warranty. The machine must be lifted and moved using a forklift truck in accordance with the relevant safety regulations in force in the workplace.

CHECK THE PROPER ELECTRICAL CONNECTION

Connect the industrial plug to the power cable and connect the plug to a socket that has the same amp rating and is protected by a line-isolating switch.
In the case of the three-phase vacuum cleaner, it is necessary to check before use that the motor rotates in the correct direction (clockwise) as shown by the die-cast indicator on the turbine; if rotation occurs in an anti-clockwise direction, it is necessary to disconnect the machine from the power source, invert one of the three phase cables inside the plug and check again for correct rotation.



BEFORE USING THE MACHINE CHECK THAT THE MACHINE HAS NOT SUFFERED ANY SHOCKS OR DAMAGES DURING THE TRANSPORT THAT CAN AFFECT THE OPERATION OF THE ABOVE DEVICES

EXTENSION CABLE

If an extension cable is used, pay attention to the section that must be adequate for the absorbed current and to the degree of protection indicated on the machine plate.

MAINTENANCE

Maintenance and cleaning operations must ALWAYS be carried out when the vacuum is turned off and disconnected from the power source. No particular measures must be taken for the maintenance, cleaning or lubrication of the suction unit. However, it is important to remember that correct use and servicing are essential if the safety and efficiency of the vacuum are to be guaranteed. To ensure regular and constant operation and to prevent the warranty from becoming void, always use genuine Coynco spare parts when repairs are needed.

BEFORE TURNING ON AND TURNING OFF EVERY DAY

- Visually check that the suction hose has not been damaged in any way (it must not be damaged, torn, crushed).
- Check that the electrical switches are in full working order and are not damaged in any way.
- Empty the main barrel.
- Check that the suction hose has not been damaged in any way.
- Check that the motor head is correctly positioned on the filter chamber and that the latter is correctly placed on the main barrel.
- If the vacuum cleaner is moved, ensure that the power voltage of the play in this new
- location corresponds to the one on the technical data plate .

EVERY 200 HOURS OF OPERATION
(EVERY 10 HOURS FOR ATEX MODELS)

Verificare lo stato del filtro principale:

- Check the condition of the primary filter: it must not have tears, holes or other damage: in this case replace it (see INDEX).
- Check that the technical data plate is legible and not damaged in any way: contact the manufacturer for a replacement if necessary.

PERFORMANCE TOLERANCES

The performance of the turbine or the motor may vary by 15% based on the temperature and air humidity. The safety valves are calibrated based on the amperage of the turbine.

TROUBLESHOOTING

You can thus solve any problem that may occur.
Motors do not start:

1 - No electrical voltage.
2 - Check cables, plugs and socket.

Suction capacity decreases slowly:

1 - Filter, nozzle, suction hose or suction pipe may be blocked.
2 - Check, clean accessories. Clean filter.

Dust comes out during the vacuuming:

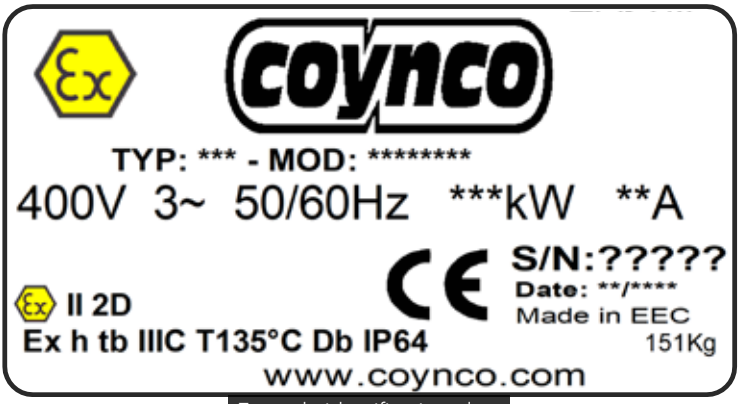
1 - Filter has not been fastened correctly or is defective.
2 - Check to see if filter is sitting properly; replace if required.

TECHNICAL DATA PLATE

Every Coynco machine carries a registration plate showing essential details that are necessary when contacting the supplier/manufacturer for advice, suggestions or information on spare parts. The following details are included on the plate:

- Manufacturer
- Model
- Serial Number
- Supply voltage
- Installed rated power
- CE symbol (built in compliance with Machinery Directive 2006/42/EEC)
- Zone Atex marking of use

The identification plate is located on the control panel or near the power cable.



Example identification plate

TESTING

All Coynco machines are tested before packaging and delivery in order to ensure the correct function of each component. An accurate electrical safety test is carried out in compliance with specific electric safety standards related to:

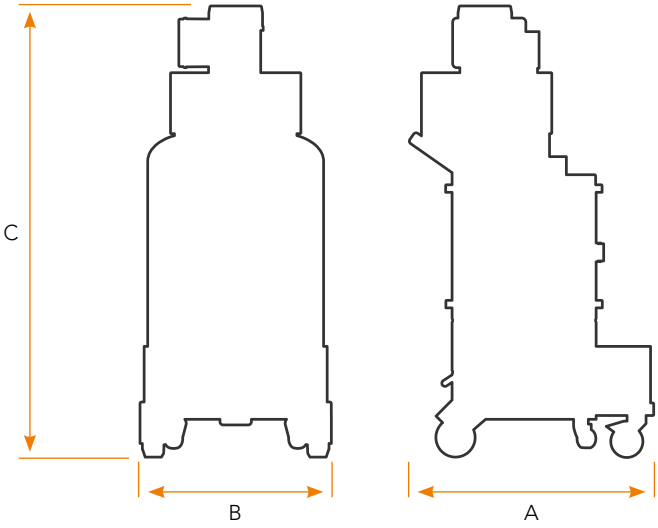
- Ground continuity test
- Insulation resistance test between every phase and the ground
- Dielectric test
- Measurement of dispersed current
- Measurement of power and absorbed current (acceptable difference of +/-10% of rated value)
- Measurement of maximum depression and air exhaust values (tolerance of +/-15% based on temperature values and humidity of environment)
- Measurement of maximum air absorption

SAFETY DEVICE

The vacuum cleaner has been manufactured in compliance with all legal standards for the operator's safety.

- All metal components are grounded to eliminate shock or electrostatic discharge, including the flexible suction hose that is properly grounded. Also in this regard the choice of a suitable flexible suction hose allows to eliminate this risk on the hose length that goes from the use area to the vacuum cleaner.
- The brakes mounted on the pivoting front wheels safely secure the machine in the place of use where there may be a risk of movement due to uneven surfaces or other particular working conditions.

TECHNICAL DATAS



MODEL	WM 375 L	WM 350 M
Certificate	CE	
Motor	N°3 By-pass	
Power	3300 W	
Tension	230 V - 50 Hz	
Max depression	230 mBar	
Air flow	510 m³/h	
Filter shaker	Manual	
Primary filter class	L	M
Useful capacity	75 l	50 l
Tank diameter	460 mm	
Inlet diameter	50 mm	
Sound pressure level	78 dB	
Protection	IPX4	

DIMENSIONS	
A	80 cm
B	60 cm
C	156 cm
Weight	80 Kg

MACHINE PARTS



1. Suction group
2. ON-OFF switch
3. Suction inlet
4. Wheels with brake
5. Barrel release
6. Filter shaker

USING THE VACUUM CLEANER

BEFORE SWITCHING ON THE VACUUM BE SURE THE CONTAINER IS EMPTY.

DO NOT USE THE DEVICE TO COLLECT LIQUIDS.

SUCTION





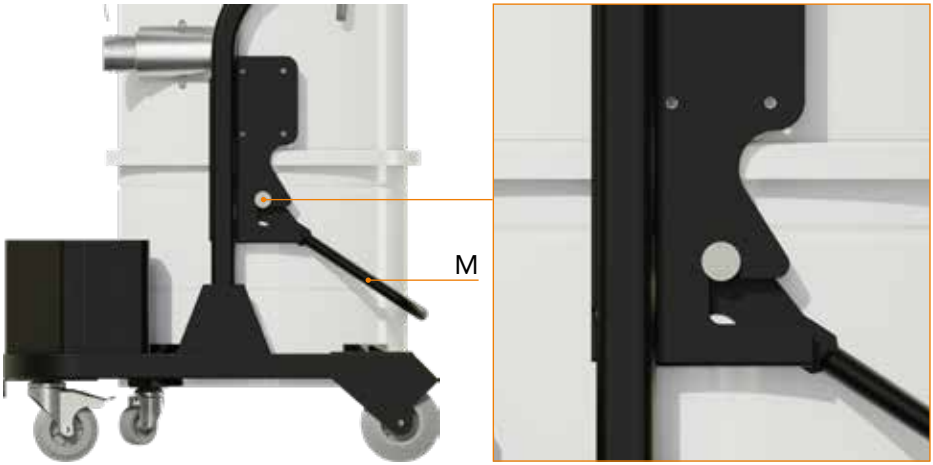
TANK MUST BE EMPTIED EACH TIME THE CLEANING OPERATION IS ENDED; ALWAYS EMPTY THE TANK IN A SAFE AND NOT-CLASSIFIED ZONE.

USING MANUAL FILTER SHAKER

Move the lever in vertical plane to clean the filter. For an effective cleaning, we recommend you carry out the operation for a few seconds (do not remove the cover or the suction head).



MANUAL EMPTYING TANK





1. Push the handle (M) upwards and remove the barrel
2. Empty the barrel
3. Insert the barrel by matching attachment in "V" in its corresponding seat and slide the bearing on the rail by pushing down on the handle (M)

DO NOT HOLD YOUR HAND ON THE EDGE (B) OF THE COLLECTION DRUM WHILE LIFTING

BEFORE SWITCHING ON THE VACUUM BE SURE THE CONTAINER IS EMPTY

SUCTION MATERIALS MAY REPRESENT AN ENVIRONMENTAL AND PEOPLE HAZARD.

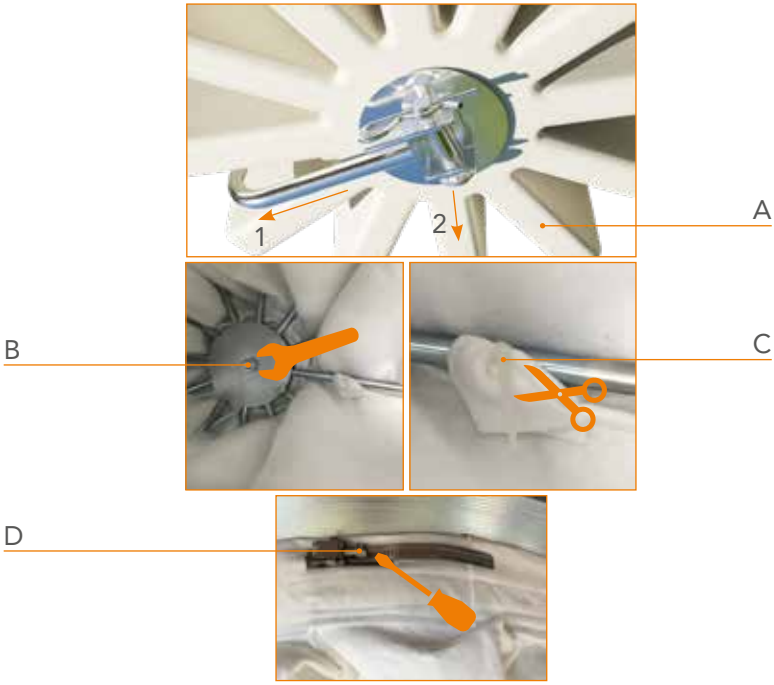
ACCESSORIES

Depending on the specific needs of the client, the vacuum cleaner may include accessories that are not normally supplied in the standard version. It is necessary to select the suction hose and accessories that are appropriate for the type of material that must be sucked into the cleaner. The machine is now ready for use. Connect one end of the flexible hose to the desired accessory and the other with the quick coupling nozzle mounted on the filter chamber. (See the accessories sheet)



FILTER REPLACEMENT

THE SUBSTITUTION OF THE FILTER MUST BE CARRIED ONLY BY PERSONNEL AUTHORIZED BY SOLARYS SRL. EACH NON AUTHORIZED SUBSTITUTION AND/OR MAINTENANCE OF FILTERING SYSTEM CAN COMPROMISE THE SAFETY OF APPLIANCE, IN THIS CASE THE PRODUCER DECLINES EVERY RESPONSIBILITY.



1. Release and lift the cover.
2. Remove the dust bin.
3. Access to the filter from the below part (A) of the vacuum (where the dust bin was located), remove the pins that keep filters-sand lever for filter cleaning together.
4. Lift the filter.
5. Unscrew the bolt (B).
6. Remove plastic ties (C).
7. Unscrew the metal clamp (D) and remove the filter from the metal ring.
8. Replace the filter with the one correct for the vacuum.
9. Insert the new filter on the metal ring and screw the metal clamp(D).
10. Fit the basket into the filter keeping the round plate at the external, screwing with the nut and the bolt (B).
11. Set the filter sewn stitches using new plastic ties (C).
12. Check the integrity of the rubber gasket on the metal ring and insert it with the filter into the filter chamber.
13. Insert the pins (A) between the filter shaker lever and the round plate. Insert the pin (pic.1).

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SECONDARY FILTER MOUNTING FOR BASIC VACUUMS


FIG. A


FIG. B

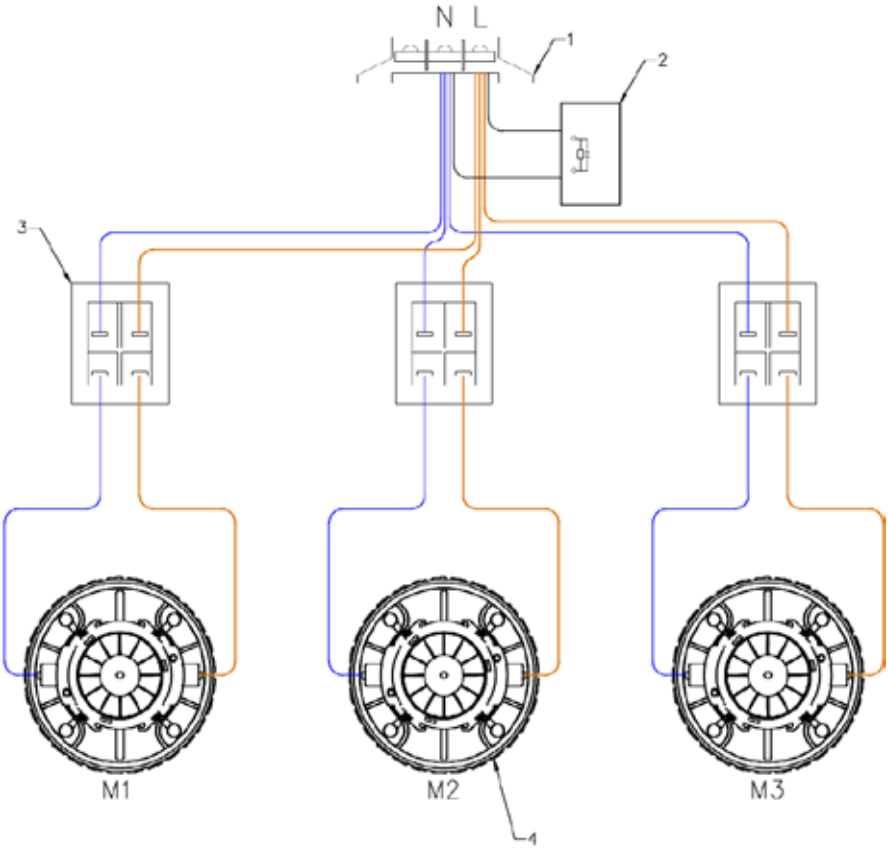

FIG. C


FIG. D


FIG. E

1. Release and lift the head.
2. Screw the filter rod on the extended nut, alredy mounted under the cover, and tighten with the lock nut (M8) - see figure (A). For BM-WM-BT-TDC models. For BTS-BTP-HDC modeld see figure (B). Tighten the rod with two nuts.
3. Insert the filter, the smooth side, the one without thread, must project by 3-5 mm. See figure (C).
4. Insert seal ring, with the gasket turned green, the bottom of the filter. See figure (D). Insert the spring and screw the handwheel as in figure (E).

WIRING DIAGRAMS



1. Terminal
2. Anti-disorder
3. Switch 0-1
4. Motor

DECLARATION OF CONFORMITY

A division of Solarys S.R.L.
Via Marie Curie, 1 - 26030 Pessina Cremonese (CR) Italy

DECLARES UNDER OUR SOLE RESPONSIBILITY THAT THE PRODUCT

WM 375 BASIC WM 350 BASIC

MADE IN

2023

ARE IN CONFORMITY WITH THE UNDERMENTIONED PRODUCTS SPECIFICATIONS :
and relative amendments

2006/42/EC
CE Machinery Directive
2014/35/EU
CE Low Voltage Directive
2014/30/EU
CE EMC Directive

HARMONIZED NORMS

EN ISO 12100:2010 - IEC 60335-2-69:2021 - IEC 60335-1:2020
IEC 61000-3-2:2018+A1:2020_EN IEC 61000-3-2:2019
IEC 61000-3-3:2013+A1:2017+A2:2021_EN 61000-3-3:2013+A1:2019
EN IEC 55014-1:2021 / EN IEC 55014-2:2021

THE MANUFACTURER DECLARES THAT THE TECHNICAL FILE OF THE EQUIPMENT IS KEPT AT:

Solarys srl
Via Marie Curie, 1 26030
Pessina Cremonese (CR)
Italy

THIS STATEMENT WILL EXPIRE AUTOMATICALLY FOR:

1. Changes to the equipment
2. Non compliance with instructions contained in the user and maintenance manual

Place
Pessina Cremonese (CR) Italy

Signed for and on behalf of:
Solarys srl

Legal representative:
Riccardo Bettella

Date
09/2023

DEALER SIGNATURE
AND STAMP:



Visit us at

www.coynco.com

or contact us at

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