



**ECODRY
ECODRY EC**



Description and Use

The product you have purchased is an automatic hand dryer with IR sensor that can dry your hands in 12/14 seconds. Take care in deciding where to install this appliance to avoid interference with the automatic operating system.

The appliance is available in two versions:

ECODRY: with AC collector motor and standard filter

ECO DRY EC: with brushless motor and HEPA filter

These appliances have been designed for use in residential and commercial properties.

See under "Use" for a more detailed description of the various functionalities offered by the appliance.

Safety



Warning:

this symbol indicates that care must be taken to avoid injury to the user

- The instructions contained within this installation guide must be followed carefully when installing this unit. Failure to accurately follow the instructions may result in the incorrect operation of this unit, damage to property and/or personal injury.
- Do not use the appliance for any purpose other than that described in this booklet. Vortice is not responsible for damages caused by misuses or defective installations.
- The unit must be mounted on a flat vertical wall
- Having removing the appliance from its packaging, ensure that it is intact and undamaged. If in doubt, contact a Vortice Technical Support Centre.
- Do not leave packaging within reach of children or individuals with disabilities.
- Certain fundamental rules must be observed when using any electrical appliance:
 - never touch the appliance with wet or damp hands
 - never touch the appliance while barefoot.
- Do not use the appliance where there are inflammable substances and vapours (alcohol, insecticides, petrol, etc.).
- The appliance must be installed safely beyond the reach of persons when taking a shower or bath in a cubicle or tub.
- This appliance can be used by children no less than 8 years of age and by individuals with limited physical, sensory or mental capacities, or by inexperienced or untrained individuals, provided that they are supervised or have been instructed in safe use of the appliance and understand the associated risks. Children must not play with the appliance. Cleaning and maintenance procedures that can be undertaken by the user must not be entrusted to children, unless under supervision.



Caution:

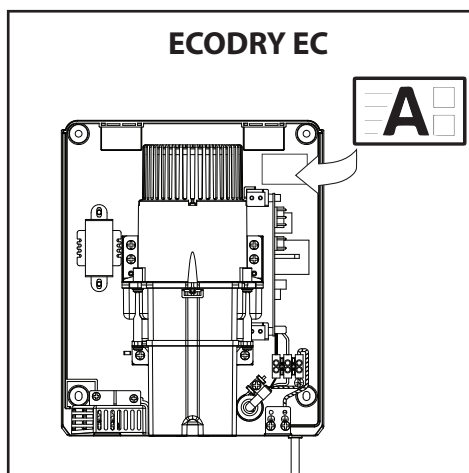
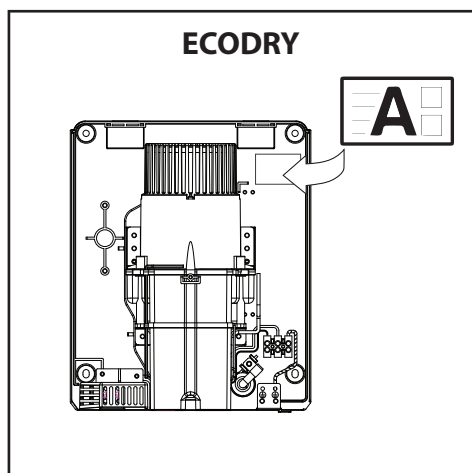
this symbol indicates that care must be taken to avoid damaging the appliance

- Do not make modifications of any kind to this appliance.
- This unit has been designed for indoor use only, protected from water, sun and extreme temperatures, do not use it outdoors or close to moisture and heat generators.
- The unit must be mounted on a flat vertical wall
- Install this appliance in accordance with the manufacturer's instructions (fig. 4b).
- Keep the appliance's intake and outlet grilles free to ensure an optimum flow of air.
- Do not leave objects standing on the appliance.
- Choose the position in which to install the appliance carefully to avoid interference with its automatic operating

ENGLISH

system.

- Regularly inspect the appliance for visible defects. If any faults are found, do not operate the appliance but contact Vortice immediately.
- If the appliance malfunctions or develops a fault, contact Vortice* immediately. Ensure that only genuine Vortice spares are used for any repairs.
- Should the appliance be dropped or suffer a heavy blow, have it checked immediately by Vortice.
- The appliance must be isolated from the electricity supply: a) if the appliance does not function correctly; b) before cleaning the outside of the appliance, c) if the appliance is not to be used for any length of time.
- Electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- Do not use the backplate as a guide when drilling. Ensure no pipe work (gas, water, air) or electrical cables, wires or ductwork are located directly behind the drilling/mounting area
- Check that the electrical power supply provides the maximum electrical power required by the appliance. If it cannot do so, arrange for a qualified electrician to make the necessary modifications.
- Specifications for the power supply must correspond to the electrical data on ID plate A.



- The appliance must be installed by a qualified electrician.
- Ensure that the electrical system to which the appliance is connected complies with applicable standards.
- The appliance must be wired to the power supply by way of a multi-pole isolating switch with a gap of at least 3 mm between contacts.

N.B.

- The device is equipped with a button (accessible by removing the front cover fig.8) which excludes the electrical resistance, with a power of 400 W
- The device is equipped with a auto reset safety device against 120°C.
- The automatic appliance is equipped with a device that interrupts the power supply after 50 seconds of continuous operation.
- Whenever possible, it is recommended that the automatic appliance be fitted well away from radiators or other heating equipment, so as to avoid the risk of heat compromising proper operation of the electronic components.

Technical specifications

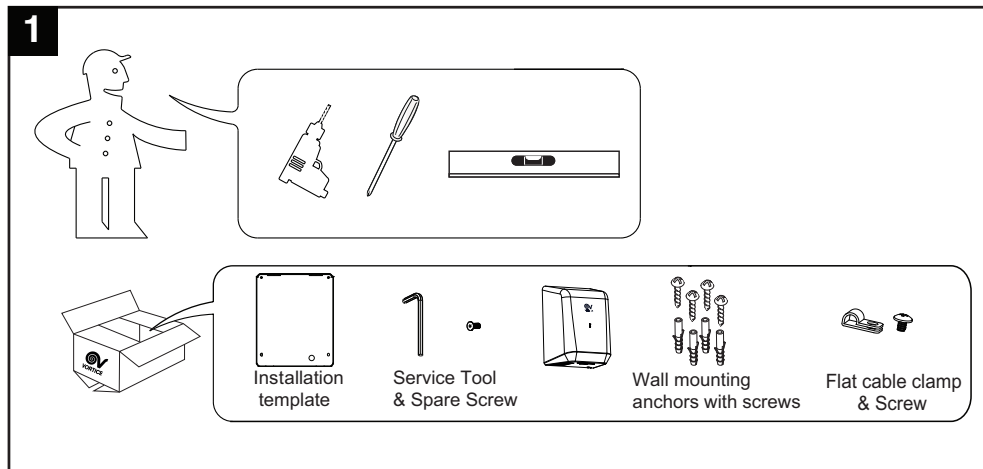
ECODRY EC	
Operating voltage / cycles / power	AC 220~240 V, 50/60 Hz, 700 W
Standby Power	≤0.5 W
Warm Air Speed Output	96 m/s
Motor Type	Brushless Motor, 30000 RPM
Sensor Type	Auto Infrared touch free operation
Sensor Range	45° 10~20 cm
Timing Protection	50 seconds auto shut off
Drying Time	12~14 sec
Drip Proof	IPX4
Isolation	CLASS I
Unit Size	234x294x143 mm

ECODRY	
Operating voltage / cycles / power	AC 220~240 V, 50/60 Hz, 800 W
Standby Power	≤0.5 W
Warm Air Speed Output	103 m/s
Motor Type	Brushed Motor, 33000 RPM
Sensor Type	Auto Infrared touch free operation
Sensor Range	45° 10~20 cm
Timing Protection	50 seconds auto shut off
Drying Time	12~14 sec
Drip Proof	IPX4
Isolation	CLASS I
Unit Size	234x294x143 mm

Unpacking

1. Remove all packing material. Recycling is recommended.
2. Carefully remove the hand dryer from the shipping carton, using care not to drop the appliance.
3. Inspect carefully for any damage that may have occurred during transit. Check for any loose, missing or damaged parts. If the hand dryer is damaged, promptly inform the shipper or dealer where you purchased it.

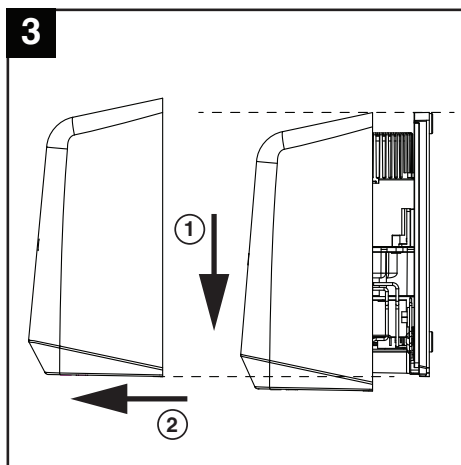
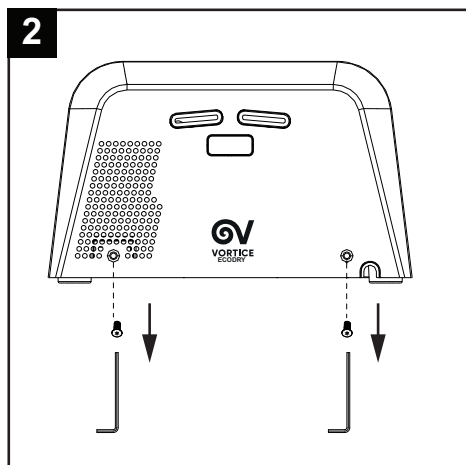
Standard items included with the hand dryer are shown in fig. 1



Installation

Cover removal

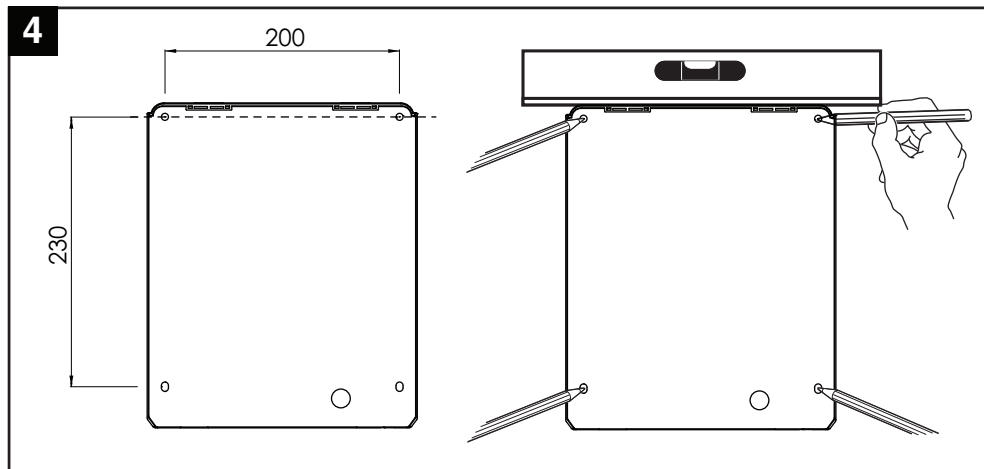
- 1.1 Place the appliance on a cloth to avoid marking its surface.
- 1.2 Remove the two security screws on the bottom surface from the main body, using the service tool provided for security screws (fig. 2).
- 1.3 Pull down the front cover and lift the front cover off the main body (fig. 3).



CAUTION: Before installation decide if the cable entry is to be from the rear or the bottom. Follow the relevant instructions. Do not use the backplate as a guide for drilling.

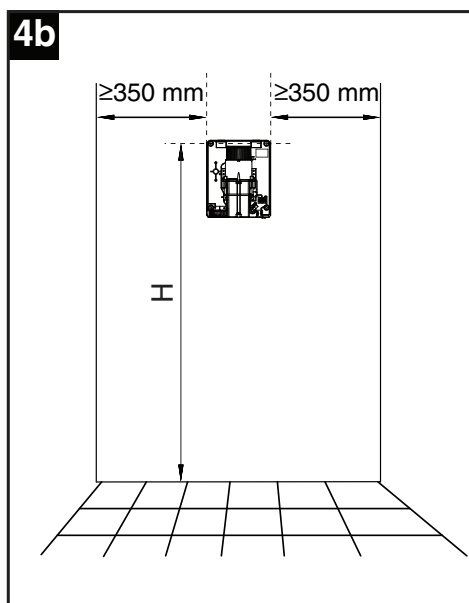
Positioning

Mark the location on the wall with a pencil. Use the Installation Template to mark the locations for the four fixing points (fig. 4).



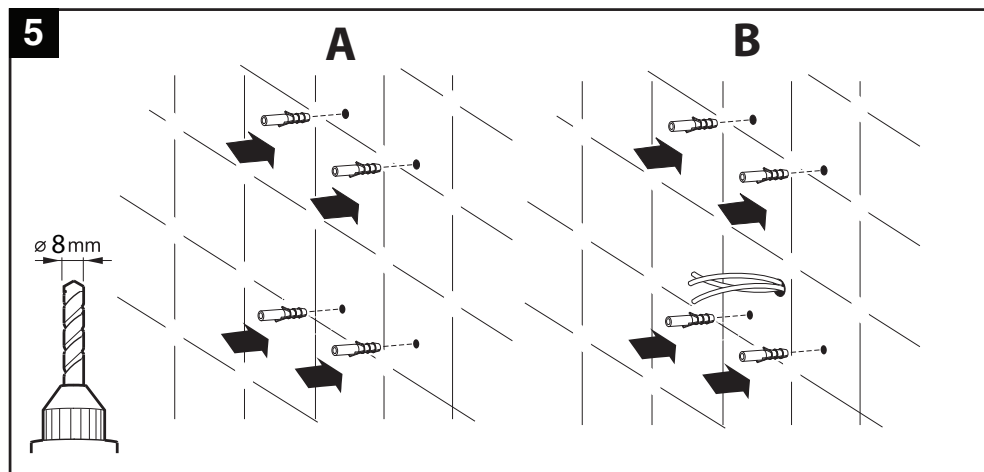
Recommended height measurements from the floor to top screws (fig. 4b):

Installation target	H
Adult male	1300mm
Adult female	1265 mm
Children 5-8 years old	928 mm
Children 8-11 years old	1028 mm
Children 11-14 years old	1108 mm
Wheelchair user	1050 mm



ENGLISH

Pre-drill the wall in the marked locations using a 5/16" (8mm) drill (fig. 5A), insert the plastic anchors and tap flush to the wall. If the cable entry is to be done from the rear of the product provide a proper cable exit (5B).

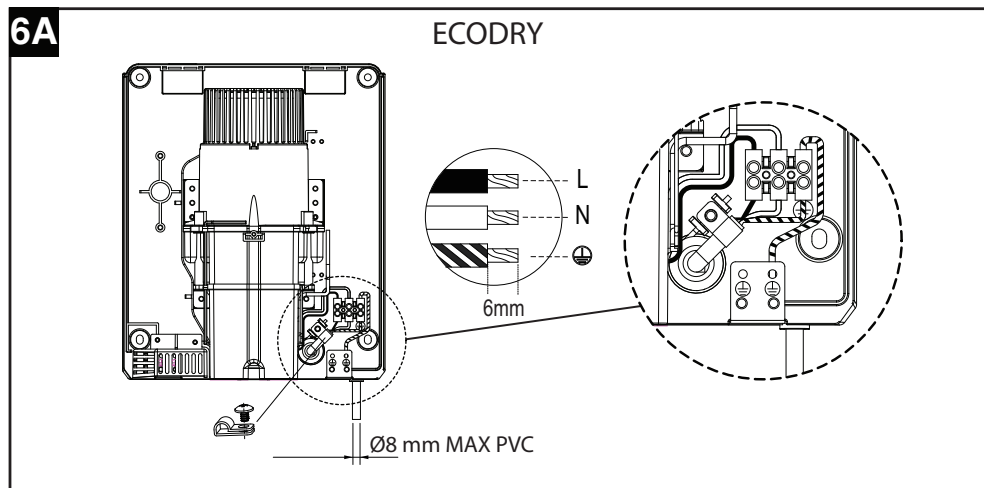


INSTALLING THE POWER CABLE & CONNECTION TERMINAL BLOCK

WARNING: ENSURE POWER IS NOT CONNECTED (see wiring diagram fig. 16)

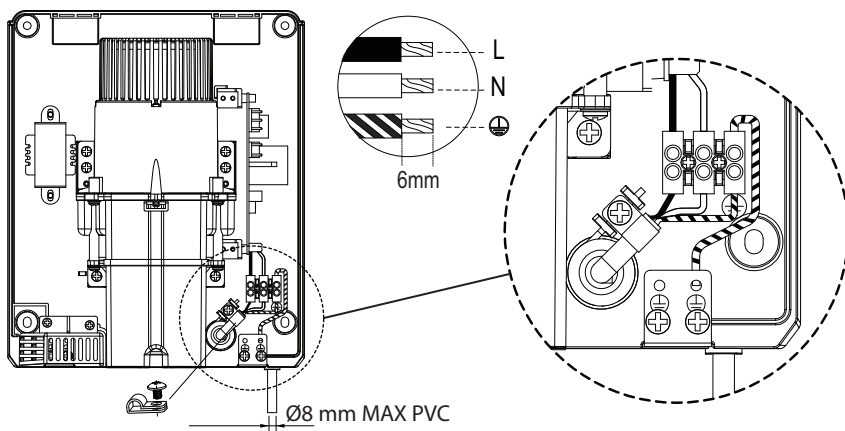
- Pull the cable through the grommet. Ensure the cable is long enough to route correctly through the backplate to the terminal block.
- The cable must sit in the dedicated channel.
- As shown, connect cable to terminal block (fig. 6 - supply cable from below).
- Screw in terminal block.
- Fix the cable clamp with screw in the backplate.

CAUTION: Connect the ground wire to the terminal block marked "⏏".
Do not over-tighten and crush the power cable.



6B

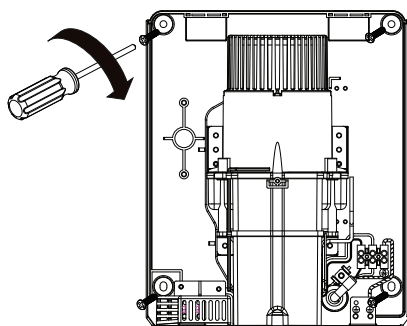
ECODRY EC



Fix the backplate to the wall. Screw to the wall and secure with the appropriate fitting. (fig. 7).

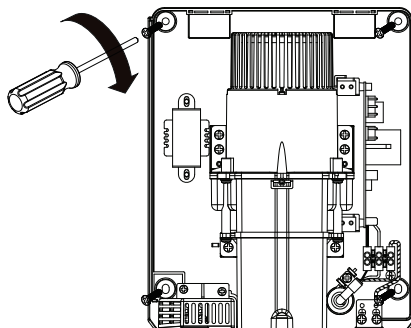
7A

ECODRY



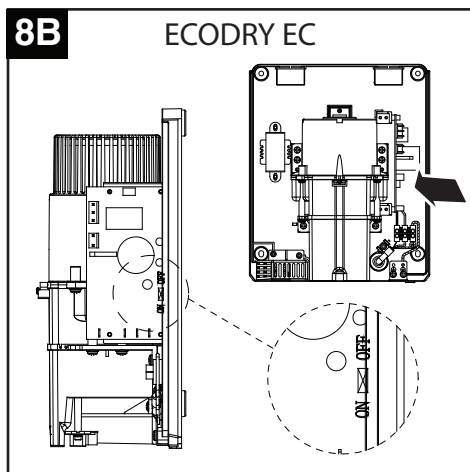
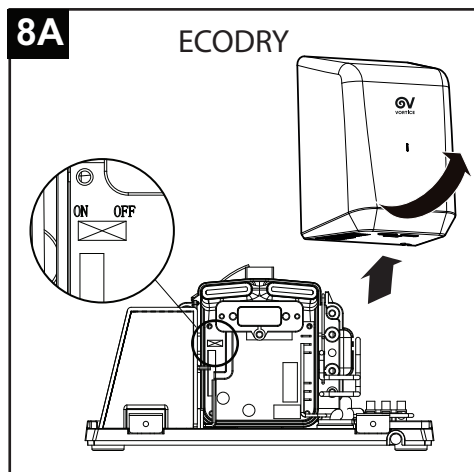
7B

ECODRY EC



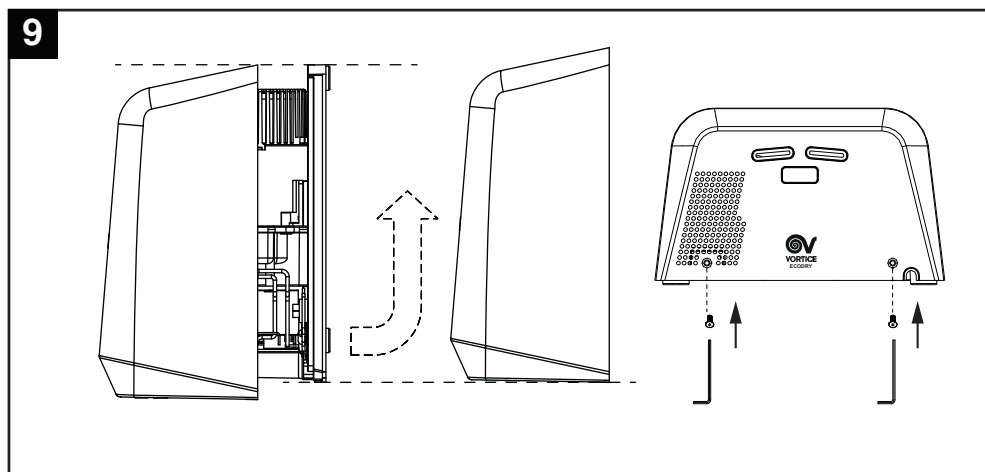
HEATER SWITCH ON/OFF (Fig 8). (factory default setting “ON”)

To exclude the resistance in summer times, press the button shown in fig. 8A-8B, after removing the front cover (repeat steps of figures 2-3)



ATTACHING MAIN BODY

- Reposition the front cover on the backplate (fig. 9).
- Insert and tighten two security screws into the bottom of the front cover.
- Turn power on.
- Test unit for correct operation. The LED light on the product cover remains continuous and white.

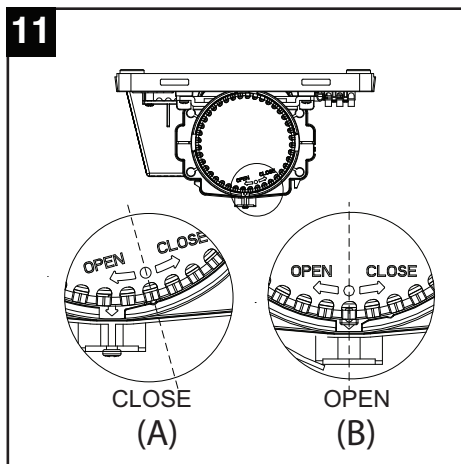
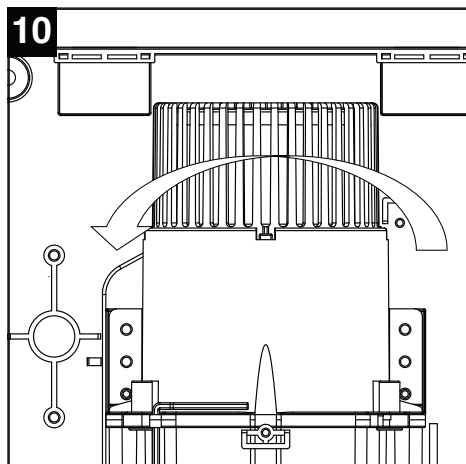


Filter replacing

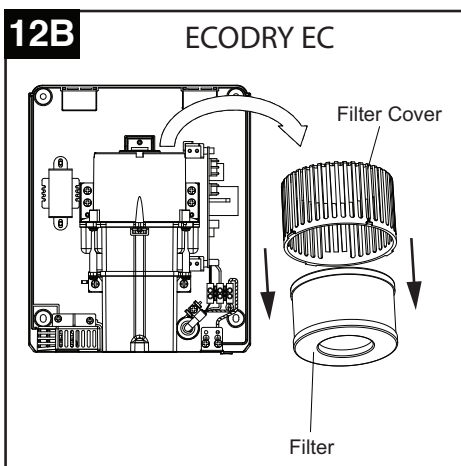
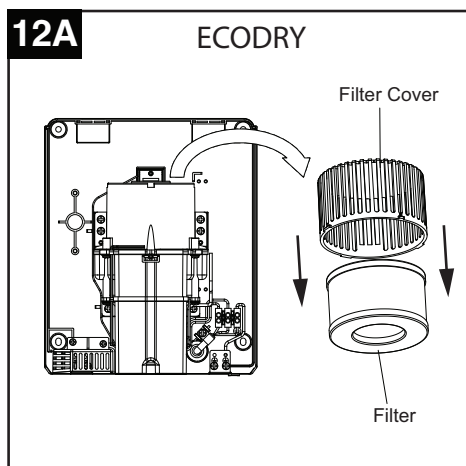
If the LED light on the front of the unit flashes orange then the Filter needs to be changed. The Filter last about for 20,000 uses.

1. Cut off the power supply.
2. Remove the two security screws from the main body, using the service tool provided for security screws(fig. 2).
3. Pull down the front cover and lift the front cover off the main body (fig. 3).
4. Turn the filter cover to open direction (fig. 10).

The dot is aligned with the arrow present on the motor cover (fig. 11B).

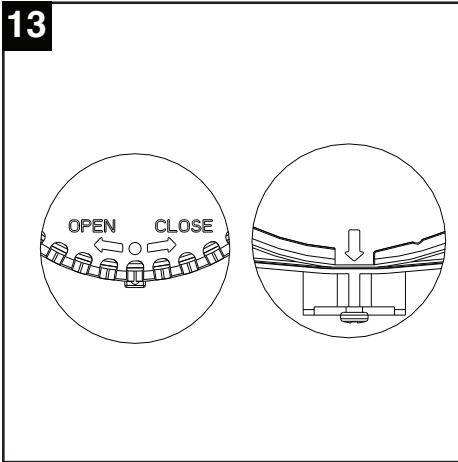


5. Lift the Filter parts off the main body and take the filter out of the cover(fig. 12)



6. Turn power ON and after 5 second power, turn OFF again. (IMPORTANT RESET FUNCTION, if this action is not performed the LED will continue to flash)
7. Insert the New Filter into filter case and reassembly to the main body.
The dot on the filter cover is aligned with the arrow on the motor cover (fig. 13)

13



8. Turn the filter cover to close direction. The dot is positioned to the right of the arrow on the motor cover (fig. 11A).
9. Assembly the front cover to the backplate and tighten the two screws(fig. 9)
10. Turn power on.
11. Test unit for correct operation.
12. When a new filter has been correctly installed, the LED blinks 5 times with an orange light after the power supply has been connected.
13. The LED light returns white when the filter has been correctly replaced.

Note: If the LED does not blink, the LED light remains off and the filter must be reinstalled correctly.

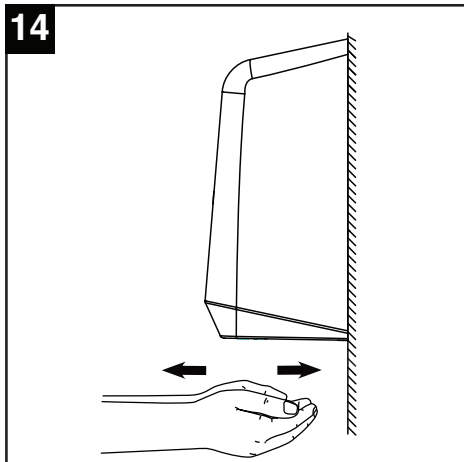


Warning - If the filter is not replaced on time, it may be a progressive air flow reduction and a consequent overheating of the motor. In this case, the warranty will be invalidated. The filter must be replace every 3-6 months to avoid invalidating the warranty period. Absolutely do not re-use the used filter. The filter works for 20,000 uses, after this it should be disposed of and replaced by another filter. Do not install the filter cover if the cover is wet or damp, it must be perfectly dry. If the cover is installed wet it cancause serious motor damage and the warranty will be invalidated.

Use

1. No touch operation.
2. Shake away excess water from hands.
3. Place hands under the outlets to start operation.
4. Slowly move hands back and forth through the hand dryer.
5. The appliance stops automatically after hands are removed.
6. Hand dryer also auto shuts off after 50 seconds of uninterrupted use.

14

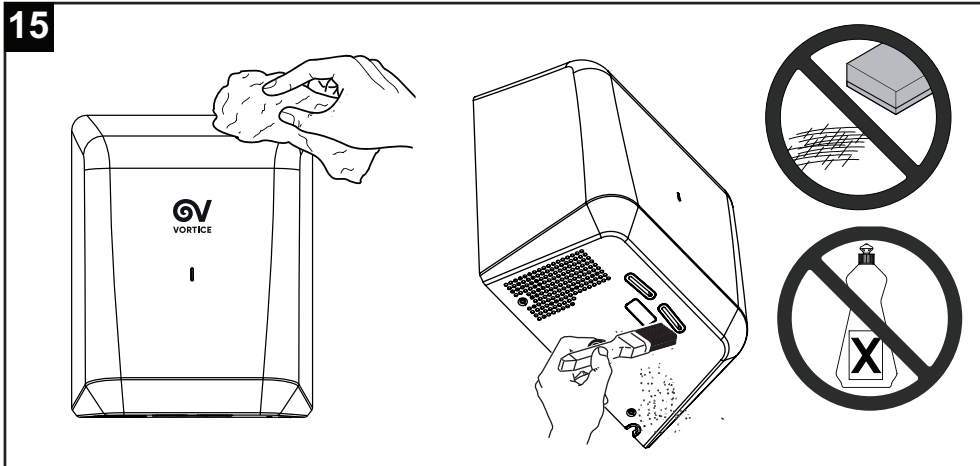


Maintenance and cleaning



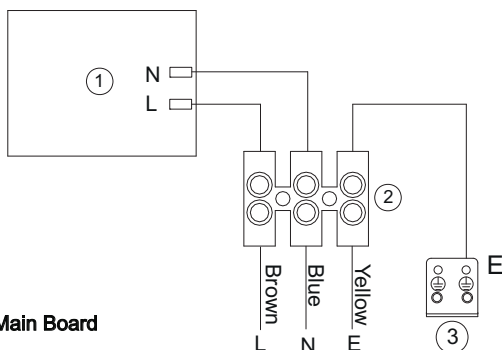
Make sure to cut off power and wait until the LED light turns off before maintenance or repair.

15



Wiring diagrams

16



- ① Scheda principale / Main Board
- ② Morsettiera / Terminal Block
- ③ Messa a terra su piastra posteriore / Ground Bracket on the Back Panel

Disposal

This product complies with Directive 2012/19/EU on the management of waste electrical and electronic equipment (WEEE).

The crossed-out wheeled bin symbol on the appliance indicates that, at the end of its life, the product should not be discarded together with household waste but must be taken to a separate collection point for electrical and electronic equipment. This will avoid negative effects on the environment and health, and will encourage correct treatment, disposal and recycling of the materials from which the product is made.

Contact the municipal authority for the location of this type of facility. Alternatively, the distributor is obliged to take back the appliance to be disposed of free of charge in exchange for the purchase of an equivalent appliance.





VORTICE S.p.A. si riserva il diritto di apportare tutte le varianti migliorative ai prodotti in corso di vendita.
VORTICE S.p.A. reserves the right to make improvements to products at any time and without prior notice.
VORTICE S.p.A. se réserve le droit d'apporter toutes les variations afin d'améliorer ses produits en cours de commercialisation.
VORTICE S.p.A. behält sich vor, alle eventuellen Verbesserungsänderungen an den Produkten des Verkaufsangebots vorzunehmen.
VORTICE S.p.A. se reserva el derecho a hacer cambios en los productos para su mejora en cualquier momento sin previo aviso.
VORTICE S.p.A. 公司 股份有限公司 保留在产品销售期间进行产品改良的权利。

VORTICE GROUP COMPANIES

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A

**TAGLIANDO INTERVENTO IN GARANZIA
CERTIFICATE OF WORK PERFORMED UNDER GUARANTEE
COUPON INTERVENTION SOUS GARANTIE**

DATA INTERVENTO
DATE OF WORK - DATE INTERVENTION

TIMBRO CENTRO ASSISTENZA
STAMP OF TECHNICAL ASSISTANCE CENTRE - CACHET SERVICE APRES-VENTE

B

**TAGLIANDO INTERVENTO IN GARANZIA
CERTIFICATE OF WORK PERFORMED UNDER GUARANTEE
COUPON INTERVENTION SOUS GARANTIE**

DATA INTERVENTO
DATE OF WORK - DATE INTERVENTION

TIMBRO CENTRO ASSISTENZA
STAMP OF TECHNICAL ASSISTANCE CENTRE - CACHET SERVICE APRES-VENTE

C

**TAGLIANDO INTERVENTO IN GARANZIA
CERTIFICATE OF WORK PERFORMED UNDER GUARANTEE
COUPON INTERVENTION SOUS GARANTIE**

DATA INTERVENTO
DATE OF WORK - DATE INTERVENTION

TIMBRO CENTRO ASSISTENZA
STAMP OF TECHNICAL ASSISTANCE CENTRE - CACHET SERVICE APRES-VENTE

D

**TAGLIANDO INTERVENTO IN GARANZIA
CERTIFICATE OF WORK PERFORMED UNDER GUARANTEE
COUPON INTERVENTION SOUS GARANTIE**

DATA INTERVENTO
DATE OF WORK - DATE INTERVENTION

TIMBRO CENTRO ASSISTENZA
STAMP OF TECHNICAL ASSISTANCE CENTRE - CACHET SERVICE APRES-VENTE

ITALIA

CONDIZIONI DI GARANZIA

VORTICE SPA garantisce i suoi prodotti per **5 anni** dalla data dell'acquisto, che deve essere comprovata da idoneo documento fiscale (scontrino o fattura), rilasciato dal venditore. Nel suddetto periodo di garanzia VORTICE SPA si impegna, dopo aver effettuato le opportune valutazioni tecniche, a riparare o a sostituire gratuitamente le parti dell'apparecchio che risultassero affette da difetti di fabbricazione. La presente garanzia, da attivare nei modi e nei termini di seguito indicati, lascia impregiudicati i diritti derivanti al consumatore dalla applicazione del D. lgs. 24/2002. Tali diritti, conformemente alla legge, potranno essere fatti valere esclusivamente nei confronti del proprio venditore.

La presente garanzia è valida su tutto il territorio italiano.

Modalità e condizioni di attivazione della garanzia

Gli interventi in garanzia (riparazioni o sostituzioni del prodotto ovvero delle parti difettose) saranno eseguiti presso uno dei Centri di Assistenza Tecnica autorizzati da VORTICE il cui indirizzo è disponibile sul sito WWW.VORTICE.COM o contattando il **numero verde 800.555.777**.

La prestazione eseguita in garanzia non prolunga il periodo della garanzia. Pertanto, in caso di sostituzione del prodotto o di un suo componente, sul bene o sul singolo componente fornito in sostituzione non decorre un nuovo periodo di garanzia ma si deve tener conto della data di acquisto del prodotto originario.

UK AND IRELAND

CONDITIONS OF WARRANTY

This guarantee is offered as an extra benefit and does not affect your legal rights. All electrical appliances produced by VORTICE SPA are guaranteed by the Company for **5 years** against faulty material or workmanship. If any part is found to be defective in this way within the first 60 months from the date of purchase or hire purchase agreement, we, or our authorised service agents, will replace or at our option repair that part without any charge for materials or labour or transportation, provided that the appliance has been used only in accordance with the instructions provided with each appliance and has been not connected to an unsuitable electricity supply, or subjected to misuse, neglect or damage or modified or repaired by any person not authorised by us. The correct electricity supply voltage is shown on the rating plate attached to the appliance.

This guarantee is normally available only to the original purchaser of the appliance, but VORTICE will consider written applications for transfer. Should any defect arise in any Vortice product and a claim under guarantee become necessary, the appliance should be carefully packed and returned to your approved Vortice stocklist. This portion of the guarantee should be attached to the appliance.

ITALIA

Spedire la garanzia in busta chiusa a:

Vortice S.p.A.
Strada Cerca 2
Frazione di Zoate
20067 Tribiano Milano.

☐ Autorizzo VORTICE SPA ad inserire i miei dati nelle sue liste e a comunicarli a terzi per l'invio di materiale pubblicitario ed informativo. In ogni momento, a norma dell'art. 13 legge 675/96, potrò avere accesso ai miei dati, chiederne la modifica o la cancellazione oppure oppormi al loro utilizzo scrivendo a:

**Vortice S.p.A.
Responsabile
trattamento dati
- Strada Cerca, 2
- Frazione di Zoate -
20067 Tribiano (MI).**

☐ Non autorizzo (barrare se interessa)

UK-IRELAND

Send the guarantee in sealed envelope to:

Vortice Limited
Beeches House
Eastern Avenue
Burton on Trent
DE13 0BB United Kingdom

☐ I authorize VORTICE LTD. to include my personal details within their database, which they use, via a third party for the despatch of advertising material, at any time, in accordance with the regulations in force within my country. I can have access to my details and can request changes, or prohibit the usage of my details. This will be done by addressing my request directly to:

**Vortice Limited
Beeches House
Eastern Avenue
Burton on Trent
DE13 0BB United Kingdom.**

☐ I do not authorize (please tick if required)

OTHER COUNTRIES

Please send the guarantee to the retailer's address in the country where the appliance has been purchased.

☐ I authorize VORTICE SPA and its local distributors to include my personal details within their database and they can use it through a third party for the despatch of advertising material. At any time, in accordance with the regulations in force within my country. I can have access to details and can ask to make changes, or prohibit the usage of my details. This will be done by addressing my request directly to the headquarters of the local distributor where the appliance has been bought.

☐ I do not authorize (please tick if required)

1 GARANZIA - GUARANTEE - GARANTIE

DA CONSERVARE

TO BE RETAINED
A CONSERVER



DATA ACQUISTO
Purchase date - Date d'achat

Per poter usufruire della garanzia il cliente deve compilare e rispedire alla VORTICE SPA, entro 8 giorni dall'acquisto, la "Parte 2" del tagliando di garanzia, all'indirizzo e con le modalità in tale parte riportate. La "Parte 1" del tagliando di garanzia deve essere conservata e presentata, unitamente al documento fiscale (scontrino o fattura) rilasciato dal venditore al momento dell'acquisto, al Centro Assistenza autorizzato di VORTICE SPA, che dovrà eseguire l'intervento in garanzia.

This warranty must be attached to the appliance should it need to be returned for servicing.
N.B. Guarantee is only valid if all details are completed correctly.

ATTENTION: pour bénéficier de la garantie, le présent certificat doit obligatoirement accompagner l'appareil présumé défectueux. Le certificat doit porter le cachet du revendeur et la date d'achat.
A défaut, la garantie sera comptée à partir de la date de sortie d'usine.

Esclusioni

La presente garanzia non copre:

- Le rotture provocate dal trasporto.
- I difetti o guasti derivanti da uso non corretto o improprio da parte del cliente.
- I difetti derivanti dal mancato rispetto delle avvertenze e condizioni d'uso indicate nel libretto di istruzioni ed uso allegato al prodotto.
- I difetti derivanti da non corretta installazione ovvero da una installazione effettuata senza rispettare quanto previsto nel relativo capitolo del libretto di istruzioni ed uso.
- I guasti derivanti da un errato allacciamento alla rete di alimentazione elettrica o per tensione di alimentazione diversa da quella prevista per l'apparecchio, ovvero diversa dal limite stabilito dalle norme CEI (+/- 10% del valore nominale).

La presente garanzia non copre, inoltre, gli eventuali difetti derivanti da una cattiva manutenzione ovvero da interventi effettuati da personale non qualificato o da terzi non autorizzati.

TIMBRO RIVENDITORE
stamp of supplier
cachet du vendeur

CONF.

COLL.

DATA SPEDIZIONE
Mailing date - Date d'expédition

2 GARANZIA - GUARANTEE - GARANTIE

DA SPEDIRE (entro 8 giorni dall'acquisto)

TO SEND (within 8 days from date of purchase)
A RETOURNER (dans les 8 jours après l'achat)

TIMBRO RIVENDITORE
stamp of supplier
cachet du vendeur



DATA ACQUISTO
Purchase date - Date d'achat

DATI UTENTE / CUSTOMER DATA / COORDONNÉES DE L'UTILISATEUR

nome / name / nom _____
cognome / surname / prenom _____
via / street / rue _____
cap / post code / code postal _____
città / town _____

Dichiaro di aver preso atto delle condizioni di garanzia specificate sul certificato in mio possesso e autorizzo la gestione dei miei dati personali (v. retro).

I have read and understood the terms and conditions of this guarantee and I authorize the processing of my personal details (see overleaf).
Suivant les conditions de garantie définies par le certificat en ma possession j'autorise l'utilisation de mes coordonnées (voir au verso).

Firma / Signature / Signature _____

DATA SPEDIZIONE

Mailing date - Date d'expédition