

TUMBLE DRYER

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TVM 70**www.aristonchannel.com**

This symbol reminds you to read this instruction manual.

Keep this manual at hand for immediate reference whenever necessary. Always store this manual close to the tumble dryer and remember to pass it on to any new owners when selling or transferring the appliance, so they may familiarise with the warnings and suggestions herein contained.

Read these instructions carefully: the following pages contain important information on installation and useful suggestions for operating the appliance.

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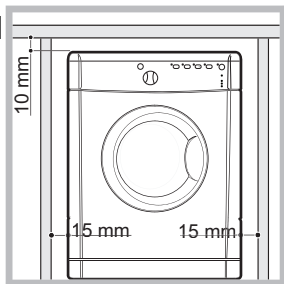
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Installation

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Where to install the tumble dryer

If the dryer is installed below a worktop, ensure there are 10 mm between the upper panel of the dryer and any objects above it, and 15 mm between the sides of the machine and the walls or furniture units adjacent to it. This ensures adequate air circulation. Make sure the air inlets on the rear panel are not blocked or obstructed.



Ventilation

This appliance gently dries laundry by taking in cold, clean and relatively dry air, heating it and passing it through the fabric. To facilitate the drying process, damp air is expelled at the rear, through a ventilation hose. When the dryer is in use, there has to be adequate ventilation to avoid a back flow of gases into the room from appliances burning other fuels, including open fires.

Mobile ventilation system

When using the tumble dryer with the mobile ventilation system, a ventilation hose must be connected. The hose should be securely fastened to the ventilation hole at the rear of the appliance (see "Description of the tumble dryer"). We recommend the hose is connected to an outlet near the tumble dryer, if possible. If it cannot be installed in a permanent spot, the tumble dryer will still function perfectly well if the ventilation hose is passed through a partially-opened window.

Make sure you do not point the ventilation hose towards the air inlet, which is located on the rear of the appliance.

The ventilation hose should not exceed a maximum length of 2.4 metres; it should also be shaken frequently to remove any fluff, dust or water deposits inside it. Make sure you do not crush the hose.

Fixed ventilation system

We recommend the ventilation hose is connected to a ventilation system for windows or doors, available from the retailer which originally sold you the appliance or from your local spare parts stockist.

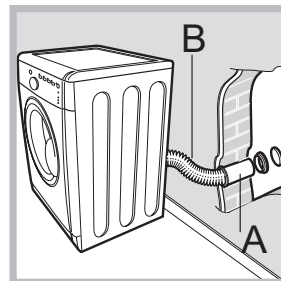
Wall ventilation hole

1. Leave an opening in the wall to the left of the tumble dryer installation site.
2. Make the hose as short and straight as possible, in order to prevent any moisture from condensing and leaking back into the appliance.
3. The hole in the wall must also be straight and pointing downwards, so that the flow of air coming out is not impeded.

Areas **A** and **B** should be checked frequently, to prevent the accumulation of fluff or debris, particularly if the tumble dryer is used very often. The hose adaptor must be fitted correctly, in order to prevent damp air from coming back into the room.

Window ventilation hole

The ventilation hole should be directly behind the dryer in order to keep the hose as short as possible.

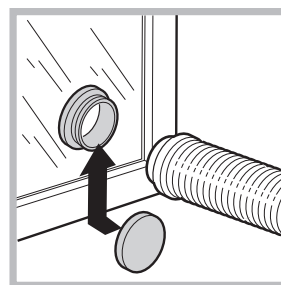


Make sure you do not push the tumble dryer too far backwards, as this could lead to the ventilation hose being crushed, bent or even disconnected. There should be no cuts, kinks or "U"-shaped bends in the hose, as these could impede ventilation or trap condensation.

The end of the hose must be facing downwards, in order to prevent the hot, damp air from forming condensation in the room or the tumble dryer.

Make sure that the tumble dryer is adequately ventilated, and that the end of the ventilation hose is not pointing

towards the air inlet pipe on the rear of the appliance.



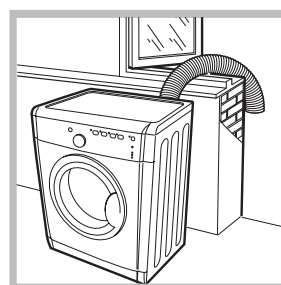
The ventilation hose must always be fitted to ensure optimum performance.

Make sure that the ventilation hose and the air inlet vents are not obstructed or blocked.

Do not let the tumble dryer recirculate exhaust air.

Improper use of the tumble dryer may result in fire hazards.

Ventilation through an open window



The air emitted by the tumble dryer must not be expelled in the same duct as used for the fumes produced by different appliances which burn gas or other fuels.

Do not discharge the exhaust air into an extraction system or any duct with an extractor fan. This will affect the way the

thermal controls operate and can result in a fire hazard.

⚠ Make sure that the room in which the tumble dryer is installed is not damp, and that it is adequately ventilated.

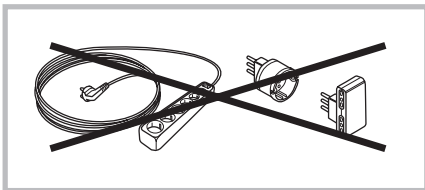
⚠ We do not recommend that the dryer is installed in a cupboard but the dryer must never be installed behind a lockable door, a sliding door or a door with a hinge on the opposite side to that of the dryer door.

⚠ The appliance must be installed with the rear surface placed against a wall.

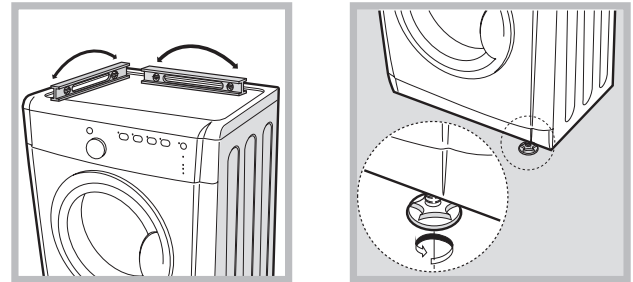
Electrical connections

Before plugging the appliance into the socket, check the following:

- ⚠ Make sure your hands are dry.
- ⚠ The socket must have an earth connection.
- ⚠ The socket must be able to withstand the machine's maximum power output as indicated on the rating plate (see *Description of the tumble dryer*).
- ⚠ The power supply voltage must fall within the values indicated on the rating plate (see *Description of the tumble dryer*).
- ⚠ Do not use extension leads. Do not pull the power supply cable. Do not use multiple plug adaptors if the appliance is fitted with a plug. For appliances with fitted plug, if the plug is not suitable for your socket outlet, contact a qualified technician.



- ⚠ The dryer must not be installed outdoors, even if the space is sheltered.
- ⚠ Once installed, the dryer's electrical wire and plug must be within reach.
- ⚠ The power cord must not be bent or squashed.
- ⚠ If the plug being replaced is a non-rewirable type, then the cut-off plug must be disposed of safely. DO NOT leave it where it can be inserted into a socket and create a shock hazard.
- ⚠ The electric cord must be regularly checked. If the supply cord is damaged, it must be replaced by service agent. (see *Service*).
- ⚠ The manufacturer denies any responsibility should any of these rules not be followed.
- ⚠ **If in doubt about any of the above consult a qualified electrician.**



Levelling the tumble dryer

The tumble dryer should be installed level in order to operate correctly.

After installing the tumble dryer in its permanent position, make sure it is level; check its side-to-side levelling first, followed by front-to-back.

If the tumble dryer is not perfectly level, use a wooden block to support it while you adjust the two front feet, up or down as necessary.

Before you start your dryer


Once the tumble dryer is installed, clean the inside of the drum before operating it and remove any dirt accumulated during transportation.

Warnings

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! This appliance has been designed and built according to international safety standards. These warnings are given for safety reasons and must be followed carefully.

General safety

- This appliance can be used by children aged from 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 use of the appliance in a safe way and understand the hazards involved.
- This tumble dryer has been designed for home, and not professional, use.
- Do not touch the appliance while barefoot or with wet hands or feet.
- Unplug the machine by pulling on the plug, not the cord.
- Children should be supervised to ensure that they do not play with the dryer.
- Cleaning and user maintenance shall not be made by children without supervision.
- Children of less than 3 years should be kept away from the appliance unless continuously supervised.
- The appliance must be installed correctly and have proper ventilation. The air intake vents behind the machine, the outlet vents and the vent tube should never be obstructed (see Installation).
- Never direct the vent tube outlet towards the air intake at the back of the machine.
- Never allow the tumble dryer to recycle exhaust air.
- Never use the dryer on carpeting where the pile height would prevent air from entering the dryer from the base.
- Check to see if the dryer is empty before loading it.
-  The back of the dryer could become very hot. Never touch it while in use.
- Do not use the dryer unless the filter, is securely in place (see Maintenance).
- Do not overload the dryer (see Laundry for maximum loads).
- Do not load items that are dripping wet.
- Carefully check all instructions on clothing labels (see Laundry).
- Do not tumble dry large, very bulky items.
- Do not tumble dry acrylic fibres at high temperatures.
- Do not turn off the dryer when there are still

warm items inside.

- Clean the filter after each use (see Maintenance).
- Do not allow lint to collect around the dryer.
- Never climb on top of the dryer. It could result in damage.
- Always follow electrical standards and requirements (see Installation).
- Always buy original spare parts and accessories (see Service).

To minimise the risk of fire in your tumble dryer, the following should be observed:

- Tumble dry items only if they have been washed with detergent and water, rinsed and been through the spin cycle. It is a fire hazard to dry items that HAVE NOT been washed with water.
- Do not dry garments that have been treated with chemical products.
- Do not tumble dry items that have been spotted or soaked with vegetable or cooking oils, this constitutes a fire hazard. Oil-affected items can ignite spontaneously, especially when exposed to heat sources such as a tumble dryer. The items become warm, causing an oxidation reaction with the oil, Oxidisation creates heat. If the heat cannot escape, items can become hot enough to catch fire. Piling, stacking or storing oil-affected items can prevent heat from escaping and so create a fire hazard. If it is unavoidable that fabrics containing vegetable or cooking oil or those that have been contaminated with hair care products be placed in a tumble dryer they should first be washed with extra detergent - this will reduce, but not eliminate the hazard. They should not be removed from the dryer and piled or stacked while hot.
- Do not tumble dry items that have previously been cleaned in or washed in, soaked in or soiled with petrol/gasoline, dry cleaning solvents or other flammable or explosive substances. Highly flammable substances commonly used in domestic environments including cooking oil, acetone, denatured alcohol, kerosene, spot removers, turpentine, waxes and wax removers. Ensure these items have been washed in hot water with an extra amount of detergent before being dried in the tumble dryer.

- Do not tumble dry items containing foam rubber (also known as latex foam), or similarly textured rubber like materials. Foam rubber materials can, when heated, produce fire by spontaneous combustion.
- Fabric softener or similar products should not be used in a tumble dryer to eliminate the effects of static electricity unless the practice is specifically recommended by the manufacturer of the fabric softener product.
- Do not tumble dry undergarments that contain metal reinforcements eg. bras with metal reinforcing wires. Damage to the tumble dryer can result if the metal reinforcements come loose during drying.
- Do not tumble dry rubber, plastic articles such as shower caps or babies waterproof covers, polythene or paper.
- Do not tumble dry rubber backed articles, clothes fitted with foam rubber pads, pillows, galoshes and rubber coated tennis shoes.
- Remove all objects from pockets such as lighters and matches.

Maximum load sizes: 7 kg

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WARNING: Never stop the dryer before the end of the drying cycle unless all items are quickly removed and spread out so that the heat is dissipated.

Save energy and respect the environment

- Wring out all items to eliminate excess water before tumble drying (if you use a washing machine first, select a high spin cycle). Doing this will save time and energy during drying.
- Always dry full loads - you save energy: single items or small loads take longer to dry.
- Clean the filter after each use to contain energy consumption costs (see Maintenance).

Care and maintenance

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Disconnecting the power supply

! Disconnect the dryer when not in use or during cleaning and maintenance operations.

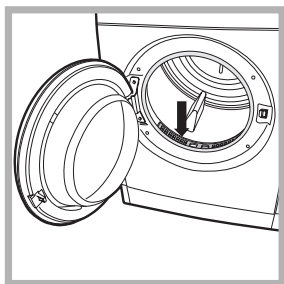
Cleaning the filter after each cycle

The filter is a fundamental component of the dryer: its function is to collect lint and fluff that form during drying.

Clean the filter once drying is completed, by rinsing it under running water or cleaning it with a vacuum cleaner. Should the filter become clogged, the flow of air inside the dryer will be seriously hampered: drying times become longer and more energy is consumed. Moreover, the dryer may become damaged.

! Do not use solvents or abrasives.

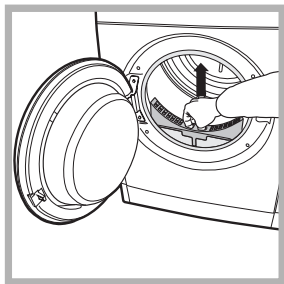
! Have the dryer checked regularly by authorised technical personnel in order to ensure that the electrical and mechanical parts work safely (see Assistance).



The filter is located behind of the dryer seal (see Picture).

Removing the filter:

1. Pull the filter's plastic handle upwards (see Picture).



2. Clean the fluff off the filter and replace it correctly. Ensure that the filter is pushed fully home.

! Do not use the dryer unless the filter has been replaced in its holder.

Checking the drum after each cycle

Rotate the drum manually to remove smaller items (handkerchiefs) that could have been left inside the dryer.

Cleaning the drum

! Avoid using abrasives, steel wool or stainless steel cleaning agents to clean the drum.

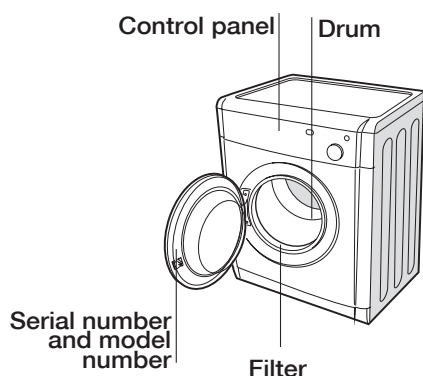
A coloured film may appear on the stainless steel drum surface: it may be caused by a combination of water and/or cleaning agents such as fabric conditioners. This coloured film does not affect the dryer's performance.

Cleaning the tumble dryer

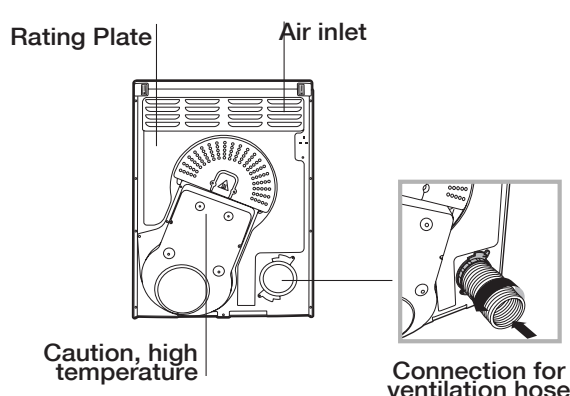
- The external metal and plastic parts and the rubber parts can be cleaned with the aid of a damp cloth.
- Periodically check the vent hose and all other parts of the venting system and remove any accumulations of fluff and lint.

Description of the tumble dryer

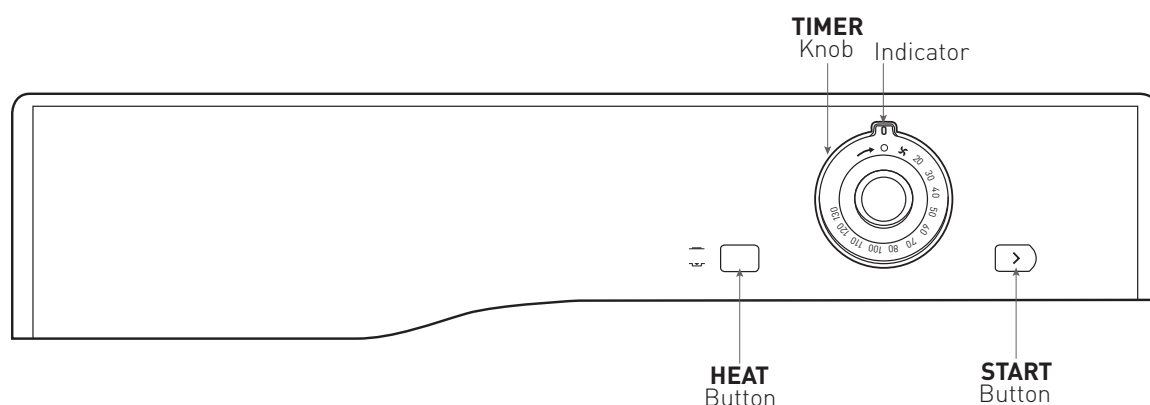
Front side



Rear side



Control panel



The timer knob

This is used to set the drying time: turn the knob in a clockwise direction until the indicator is set to the desired drying time (see *Start and Programmes*). Do not attempt to turn the knob anticlockwise.

The Heat button


It can be used to customise the selected programme in accordance with your own requirements.

START button

Press the button to begin drying.

Start and Programmes

Choosing a Programme

1. Plug the dryer into the electrical socket.
2. Sort your laundry according to fabric type (see *Laundry*).
3. Open the door and make sure the filter is clean and in place (see *Care and maintenance*).
4. Load the machine and make sure that the items are not in the way of the door seal. Close the door.
5. Choose the drying time by checking the Drying Guide table for the type of fabric you are drying (see *Laundry*).
 - Set the temperature with the HEAT button..
 - Select a drying time by rotating the TIMER knob clockwise.
6. Press the START button  to begin. During the drying programme, you can check on your laundry and take out the items that are dry while the others continue drying. When you close the door again, press START in order to resume drying.
7. During the last few minutes of Drying Programmes before the programme is completed, the final COOL TUMBLE phase is entered (fabrics are cooled), this phase should always be allowed to complete.
8. Open the door, take the laundry out, clean the filter and replace it (see *Care and maintenance*).
9. Unplug the dryer.

Laundry

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Sorting laundry

- Check the symbols on the care labels of the various garments to verify whether the garments can be safely tumble dried.
- Sort laundry according to the type of fabric.
- Empty all pockets and check for loose buttons.
- Close zips and hooks and fasten belts and strings without tightening them.
- Wring out garments to remove the maximum amount of water possible.

! Do not load the dryer when garments are dripping wet.

Maximum load sizes

Do not overload the drum.

The following values indicate the weight of dry garments:

Natural fibres: maximum 7 kg

Synthetic fibres: maximum 3 kg

! Do not overload the dryer as this may result in reduced drying performance.

Care labels

Always check the care labels, especially when placing garments in the tumble dryer for the first time. Below are the most commonly used symbols:

- May be tumble dried.
- Do not tumble dry.
- Tumble dry – high heat.
- Tumble dry – low heat.

Typical weights

Note: 1kg = 1000g; (1 lb = 16 oz.)

Clothes		
Blouse	Cotton	150g (5 oz)
	Other	100g (3 oz)
Dress	Cotton	500g (1lb 2 oz)
	Other	350g (12 oz)
Jeans		700 g (1 lb 6 oz)
10 Nappies		1000 g (2 lb 6 oz)
Shirt	Cotton	300g (10 oz)
	Other	200g (7 oz)
T - Shirt		125 g (4 oz)

Drying times

Drying times are approximate and may vary depending on the following:

- Amount of water retained by items after the spin cycle: towels and delicate items retain a lot of water.
- Fabrics: items of the same fabric, but with different texture and thickness may have different drying times.
- Amount of laundry: single items and small loads may take longer to dry.
- Drying: if items are to be ironed, they can be removed from the dryer while still slightly damp. Items that require complete drying can be left longer.
- Heat setting.
- Temperature of the room: the lower the temperature of the room, the longer it will take for the dryer to dry clothing.
- Bulk: certain bulky items require special care during the drying process. We suggest removing these items and replacing them in the dryer once they have been shaken out: repeat this procedure several times during the course of the drying cycle.

! Do not over-dry items.

All fabrics contain natural dampness which helps to keep them soft and fluffy.

Household items		
Duvet cover (Double)	Cotton	1500g (3 lb 5 oz)
	Other	1000g (2 lb 3 oz)
Large Tablecloth		700 g (1 lb 6 oz)
Small Tablecloth		250 g (9 oz)
Tea Towel		100 g (3 oz)
Bath Towel		700 g (1 lb 6 oz)
Hand Towel		350 g (12 oz)
Double Sheet		500 g (1 lb 2 oz)
Single Sheet		350 g (12 oz)



At the end of a drying cycle, cottons could still be damp if you grouped cottons and synthetics together. If this happens simply give them an additional short period of drying.

Drying times

The drying time depends on the size of the load and on the type of fabric it contains (see *Table*).

The COOL TUMBLE cycle runs during the final 10 minutes of the programme.

! For large loads, select the High Heat option if available.

Fabric	Load						
	1 kg	2 kg	3 kg	4 kg	5 kg	6 kg	7 kg
 Cotton – high heat	20 - 30 minutes	35 - 45 minutes	45 - 60 minutes	60 - 70 minutes	70 - 80 minutes	80 - 100 minutes	90 - 120 minutes
 Synthetics – high heat	20 - 30 minutes	35 - 45 minutes	45 - 60 minutes	-	-	-	
Acrylics – low heat	25 - 40 minutes	40 - 60 minutes	-	-	-	-	

Troubleshooting

If you feel that the dryer is not working properly, consult the following troubleshooting suggestions before contacting the Technical Assistance Centre (see *Service*).

Problem:

The dryer does not start.

Possible causes / Solutions:

- The plug has not been inserted far enough into the socket to make contact.
- There has been a power cut.
- The fuse has blown. Try connecting another appliance to the same socket.
- If an extension cord is used, try connecting the dryer plug directly into the socket.
- The TIMER knob has not been set properly (see *Start and Programmes*).
- The START button has not been pressed (see *Start and Programmes*).
- The START button was pressed with the door open. Make sure the door is closed before pressing the START button (see *Start and Programmes*).
! If the START button is pressed with the door open the dryer will not start. Close the door, wait for a few seconds and then press the START button again (see *Start and Programmes*).

Drying times are too long.

- The filter has not been cleaned (see *Care and maintenance*).
- The temperature setting is not ideal for the type of fabric you are drying (see *Start and Programmes*).
- The correct programme has not been selected for the load (see *Start and Programmes*).
- The flexible ventilation hose may be blocked (see *Installation*).
- The air inlet may be blocked or obstructed (see *Installation*).
- The fixed ventilation flap, on the protective weatherproof cover, may be obstructed (see *Installation*).
- The items were too wet (see *Laundry*).
- The dryer is overloaded (see *Laundry*).

Service

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Before calling the Service Centre:

- Use the troubleshooting guide to see if you can solve the problem yourself (see *Troubleshooting*).
- If not, turn off the dryer and call the Service Centre closest to you.

What to tell the Service Centre:

- Name, address, and post code;
- telephone number;
- the type of problem;
- the date of purchase;
- the appliance model (Mod.);
- the dryer serial number (S/N).

This information can be found on the data label inside the door of the machine.

Spare Parts

This dryer is a complex machine. Repairing it yourself or having a nonauthorised person try to repair it could cause harm to one or more persons and to the machine, and could invalidate the spare parts warranty. Call an authorised technician if you experience problems while using the machine.

Information on recycling and disposal

As part of our continual commitment towards environmental protection, we reserve the right to use recycled quality components to reduce costs for our customers and to minimise materials wastage.

- Disposing of the packaging materials: follow local regulations to allow for recycling of packaging materials.
- In order to minimise the risk of injury to children, remove the door and plug, then cut the power supply cord flush with the appliance. Dispose of these parts separately to prevent the appliance from being connected to a power supply socket.

Disposal of old household appliances



European Directive 2012/19/EC concerning Waste Electrical and Electronic Equipment (WEEE) states that household appliances should not be disposed of using the normal solid urban waste cycle. Exhausted appliances should be collected separately in order to optimise the cost of re-using and recycling materials comprising the machine, while preventing potential damage to public health and the environment. The crossed-out wheeled bin symbol appears on all products to remind owners of the obligations regarding separate waste collection.

Owners should contact their local authorities or appliance dealers for further information concerning the correct disposal of household appliances.



This appliance has been designed, constructed and distributed in compliance with the requirements of European Directives:

- LVD 2014/35/EU, EMC 2014/30/EU and RoHS 2011/65/EU.