

User manual Tumble dryer

D7-190
Type N1190..



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The manufacturer reserves the right to make changes to design and component specifications.

1 Safety Precautions

- Servicing shall be carried out only by authorized personnel.
- Only authorized spare parts, accessories and consumables shall be used.
- The machine is not to be used if industrial chemicals have been used for cleaning.
- Do not dry unwashed items in the machine.
- **WARNING:** Items that have been soiled with substances such as hair care products, cooking oil, acetone, alcohol, petrol, kerosene, spot removers, turpentine, waxes and wax removers shall be cleaned sufficiently to remove the contaminant before being tumble dried. When washing such soiled items ensure the use of detergent as specified by the detergent manufacturer and select the highest suitable temperature. If in doubt, wash the items several times.
- Items such as foam rubber (latex foam), shower caps, waterproof textiles, rubber backed articles and clothes or pillows fitted with foam rubber pads should not be dried in the machine.
- Fabric softeners or similar products should be used as specified by the fabric softener instructions.
- The final part of a drying cycle occurs without heat (cool down cycle) to ensure that the items are left at a temperature that ensures that the items will not be damaged.
- Remove all objects from pockets such as lighters and matches.
- **WARNING.** Never stop the machine before the end of the drying cycle unless all items are quickly removed and spread out so that the heat is dissipated.
- Adequate ventilation has to be provided to avoid the back flow of gases into the room for appliances burning other fuels, including open fires.
- Exhaust air must not be discharged into a flue which is used for exhausting fumes from appliances burning gas or other fuels.
- The machine must not be installed behind a lockable door, a sliding door or a door with a hinge on the opposite side to that of the machine in such a way that a full opening of the machine is restricted.
- If the machine has a lint trap this has to be cleaned frequently.
- The lint must not be accumulated around the machine.
- **DO NOT MODIFY THIS APPLIANCE.**
- When performing service or replacing parts, the power must be disconnected.
- When the power is disconnected, the operator must see that the machine is disconnected (that the plug is removed and remains removed) from any point to which he has access. If this is not possible, due to the construction or installation of the machine, a disconnection with a locking system in the isolated position shall be provided.
- In accordance with the wiring rules: mount a multi-pole switch prior to the machine to facilitate installation and service operations.
- Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- **WARNING:** The appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by a utility.

- If different rated voltages or different rated frequencies (separated by a /) are stated at the machine data plate, instructions for adjusting the appliance for operation at the required rated voltage or rated frequency are stated in the installation manual.
- The openings in the base, shall not be obstructed by a carpet.
- Oil-affected items can ignite spontaneously, especially when exposed to heat sources such as in a tumble dryer. The items become warm, causing an oxidation reaction in the oil. Oxidation creates heat. If the heat cannot escape, the 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.
- Maximum mass of dry cloth: 10.6 kg.
- A-weighted emission sound pressure level at working stations: <70 dB(A).
- Maximum inlet water pressure: 1000 kPa
- Minimum inlet water pressure: 50 kPa
- Additional requirements for the following countries; AT, BE, BG, HR, CY, CZ, DK, EE, FI, FR, DE, GR, HU, IS, IE, IT, LV, LT, LU, MT, NL, NO, PL, PT, RO, SK, SI, ES, SE, CH, TR, UK:
 - The appliance can be used in public areas.
 - 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. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
 - Children of less than 3 years should be kept away unless continuously supervised.
- Additional requirements for other countries:
 - This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

1.1 General safety information

In order to prevent damage to the electronics (and other parts) that may occur as the result of condensation, the machine should be placed in room temperature for 24 hours before being used for the first time.

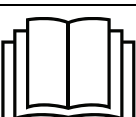
1.2 Commercial use only

The machine/machines covered by this manual is/are made for commercial and industrial use only.

1.3 Copyright

This manual is intended solely for consultation by the operator and can only be given to third parties with the permission of .

1.4 Symbols

	Caution
	Caution, hot surface
	Caution, high voltage
	Warning, risk of fire / flammable material
	Danger, crush hazard
	Read the instructions before using the machine

2 Operating panel

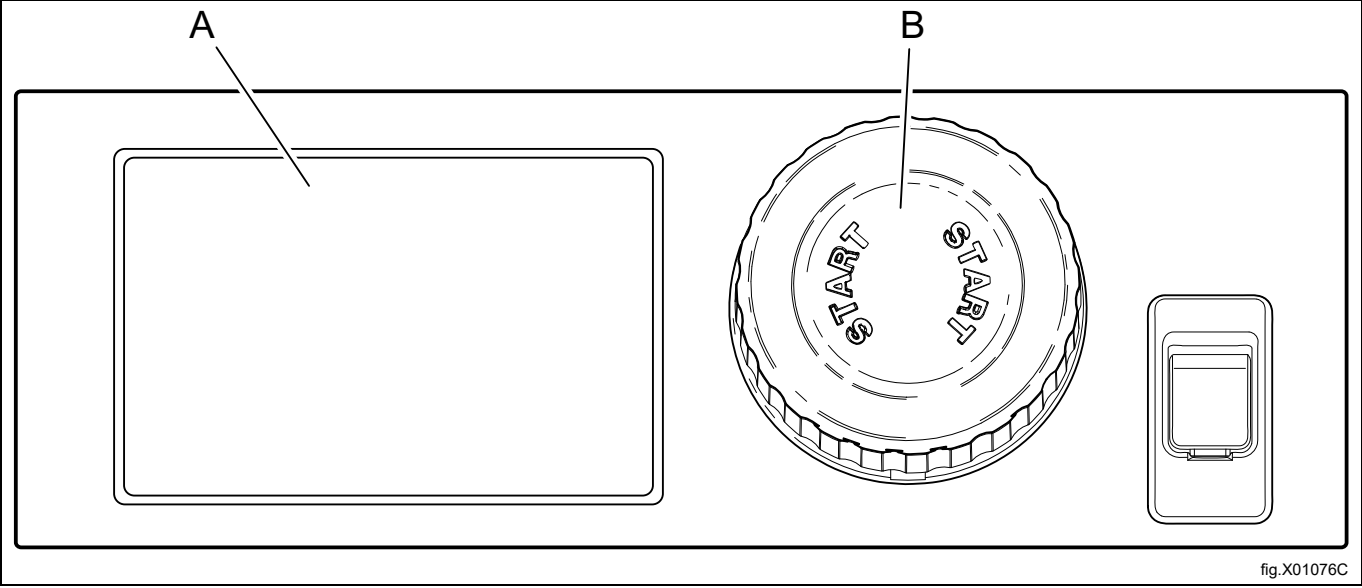


fig.X01076C

A	Display
B	Control knob

3 Program description

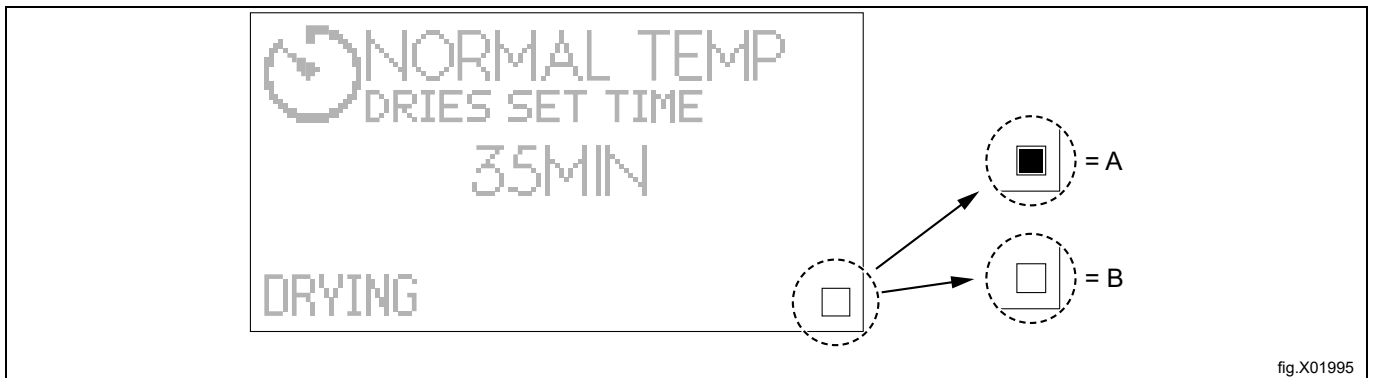
There are two types of programs, automatic programs and time programs.

- Automatic programs has moisture detection and will stop when selected dryness is achieved.
- Time programs has no moisture detection and will stop when the preset or selected time has ended.

During a drying cycle, when the square in the lower right corner is fully ticked, it indicates that the heating unit is active / ON. The heating unit can be gas, electric, steam or heat pump type.

If the square box is not ticked, it doesn't mean the heating unit is abnormal. This box is just monitoring the status of the heating unit and shows if it is Active / ON or Inactive / OFF.

- A = Active / ON
- B = Inactive / OFF



Automatic programs

Program name and display symbol	Care label	Program description
NORMAL TEMP EXTRA DRY 	 	Normal temperature. The program will stop automatically when the garments are extra dry.
LOW TEMP EXTRA DRY 		Low temperature. The program will stop automatically when the garments are extra dry.
NORMAL TEMP DRY 	 	Normal temperature. The program will stop automatically when the garments are dry.
LOW TEMP DRY 		Low temperature. The program will stop automatically when the garments are dry.
NORMAL TEMP IRON DRY 	 	Normal temperature. The program will stop when the garments still are a bit damp.
LOW TEMP IRON DRY 		Low temperature. The program will stop when the garments still are a bit damp.
LOW TEMP DOWN 		Low temperature. The drying time has to be adjusted according to garment type to achieve the desired dryness. This program is suitable when drying for example duvet jacket, duvet quilt, duvet pillow.
LOW TEMP SENSITIVE 		Low temperature. This program is suitable when drying for example man made fiber textiles like polyester, polyamide, natural fiber textiles (silk textiles).
WOOL 	 	Normal temperature. The program will stop before the garments are totally dry — which protects the garments. This very gentle program is suitable when drying for example woolen garments of more or less all types. For example blankets, jackets etc.
LOW TEMP MOPS 		Low temperature. The program will stop when the mops are dry. This program is suitable when drying for example synthetic microfibre mops.
LOW TEMP CLOTHS 		Low temperature. The program will stop when the cloths are dry. This program is suitable when drying for example synthetic microfibre cloths.
NORMAL TEMP LARGE TEXTILES	 	Normal temperature. The program will stop automatically when the fabric is dry. This program is suitable when drying large fabrics such as bed sheets, table cloths, curtains etc. The program is built to prevent the fabric from tangling together.
LOW TEMP LARGE TEXTILES		Low temperature. The program will stop automatically when the fabric is dry. This program is suitable when drying large fabrics such as bed sheets, table cloths, curtains etc. The program is built to prevent the fabric from tangling together.

Time programs

Program name and display symbol	Care label	Program description
NORMAL TEMP DRIES SET TIME 	 	Normal temperature. Different drying times can be selected. The program will stop when the time is up.
LOW TEMP DRIES SET TIME 		Low temperature. Different drying times can be selected. The program will stop when the time is up.
AIRING DRIES SET TIME 		Without heat. Different drying times can be selected. The program will stop when the time is up.

- Programs with NORMAL TEMP are suitable for most textiles.
- Programs with LOW TEMP should be used for synthetic textiles e.g. polyester, polyamide, polyacrylic and elasthan, viscose, polycotton and delicate fabrics marked with the symbol (in the following figure) or with the text “Tumble dry low” or similar.

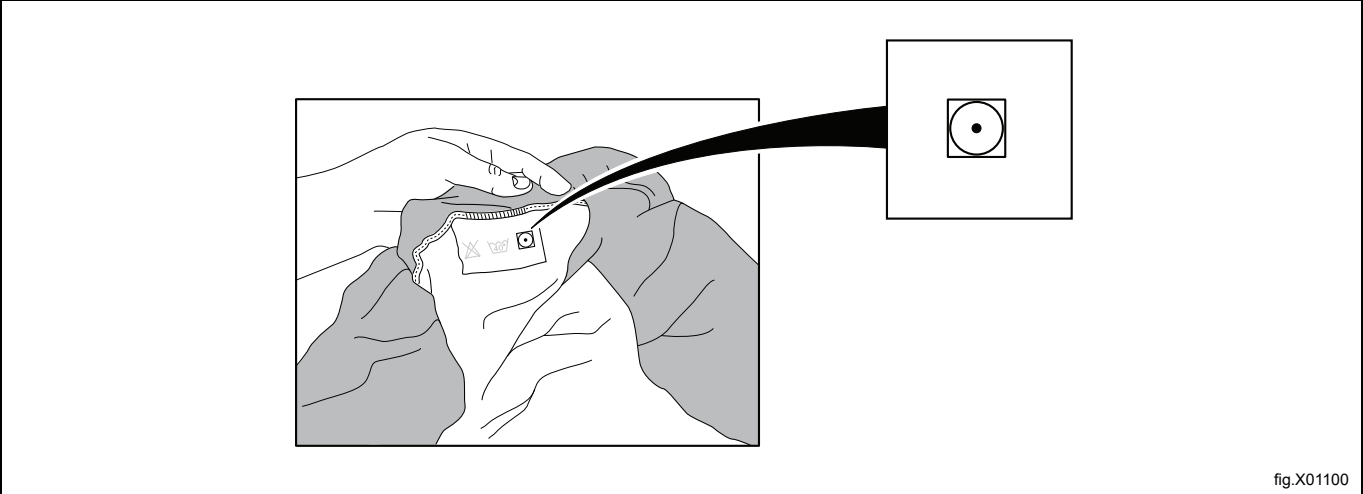


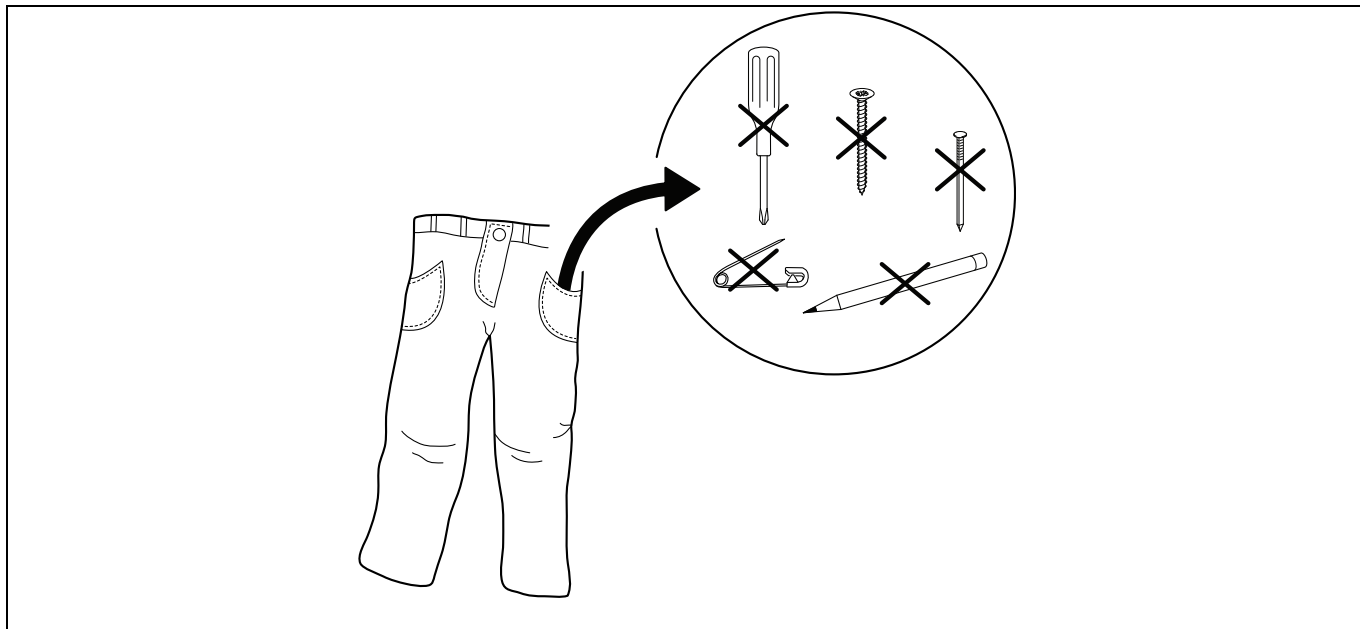
fig.X01100

4 Handling

4.1 Load

Note!

Remove all objects from pockets and make sure there are no metal objects such as screws, pins etc. left. Metal objects might cause damage to the drum.



Load the goods into the machine according to recommendations and close the door.
Make sure the filter is clean and clean if necessary.

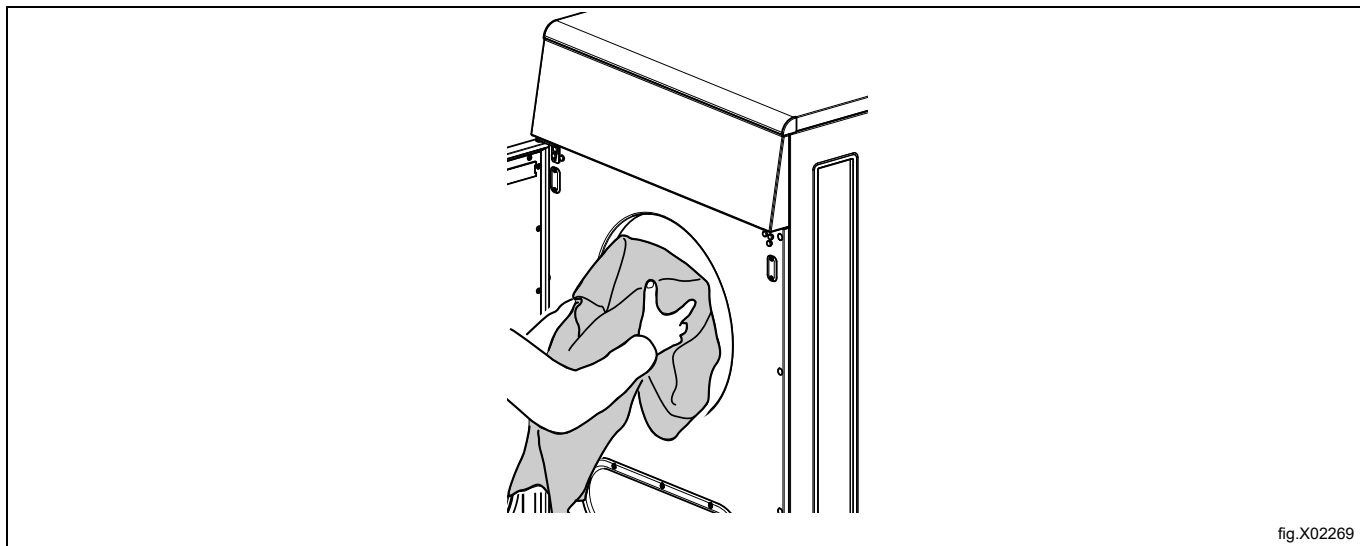


fig.X02269

The recommended maximum load is 10.6 kg.

4.2 How to start the machine

Automatic programs

Select program with the control knob.

Start the machine by pressing the control knob.

Time programs

Select program with the control knob.

Start the machine by pressing the control knob.

After start it is possible to change the time for the selected program. Turn the control knob to set the desired time.

Coin operated machines

Select program with the control knob.

Insert correct amount of coins to start the machine and/or press the control knob.

After start it is possible to add time for the selected program. Insert more coins to add time.

4.3 Additional functions

There is a menu with additional functions available for selection after start. When pressing the control knob the menu will appear on the display.

Select from the menu by turning the control knob and press the control knob to activate.

Note!

Some of the functions may not be available or active on your machine.

Pause

It is possible to pause an ongoing program.

Select **PAUSE** and activate.

For some machines it is also possible to pause directly when pressing the control knob.

When pressing the control knob again the program will continue.

End a program

It is possible to end a program after start.

Select **END PROGRAM** and activate.

When pressing the control knob the program will be ended.

Status

Select **STATUS MENU** and activate.

The status menu shows the status for inlet air temp, outlet air temp, RMC and heat for the machine.

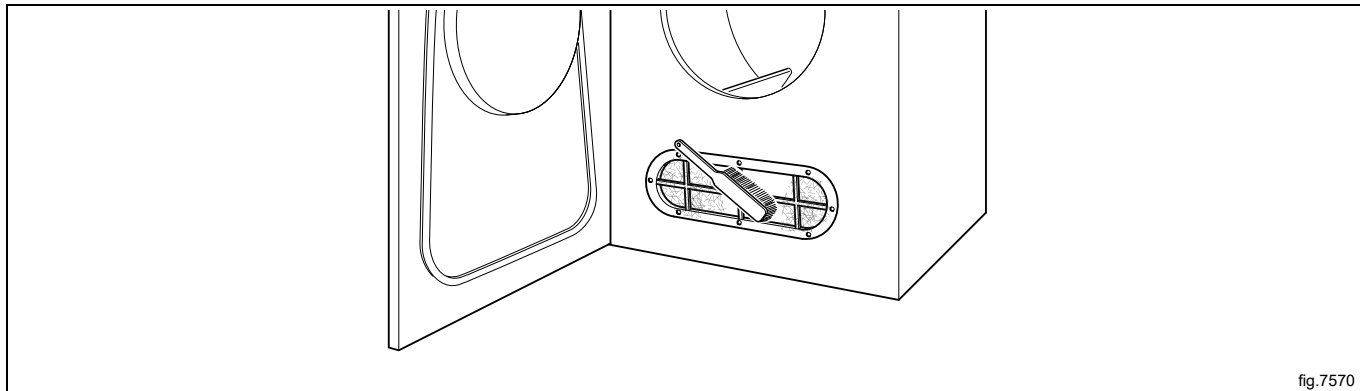
4.4 When program has ended

Note!

For the best possible drying result it is important to empty the machine as soon as the program has ended.

If the machine is not emptied as soon as the program has ended the drum will rotate in short intervals in order to keep the goods from being wrinkled.

Clean the filter after each drying cycle for best performance.



5 Error codes

A fault in the program or in the machine is indicated by an error code on the display.
Some of these error codes can be solved easily without contacting service personnel.

Error code	Text	Cause/Action
12:11	DRYING ERROR WITH RMC PROGRAM	The longest permitted RMC time has been exceeded. (Applies only to machines with RMC). The machine is overfilled or the garment is too wet.
12:12	DRYING ERROR WITH AUTOSTOP PROGRAM	The longest permitted automatic stop time has been exceeded. (Applies only to machines with automatic stop). The machine is overfilled or the garment is too wet.
12:18	REDISTRIBUTION OF LOAD NEEDED	Machine indicates that load is blocking the airflow. Redistribute the load. Restart the machine to clear error message.
20:1	O . H . DRUM MOTOR	The motor is too hot. The machine will restart automatically when the temperature on the motor is OK (if the door has not been opened).
30:1	O . H . FAN MOTOR	Machine indicates that the fan motor is overheated. Press the control knob to clear error message.

For other error codes or repeated error codes, disconnect the power for 30 seconds. If the error code keeps coming back, contact authorized service personnel.

6 Maintenance

6.1 General

It is the responsibility of the owner of the machine/the laundry manager to make sure that maintenance is periodically performed.

Note!

Lack of maintenance may deteriorate the performance of the machine and may cause damage to components.

6.2 Time for maintenance

When the display is showing the message `TIME FOR MAINTENANCE` — contact the owner of the machine/the laundry manager to perform maintenance (if available, a telephone number and/or a tag will also be displayed).

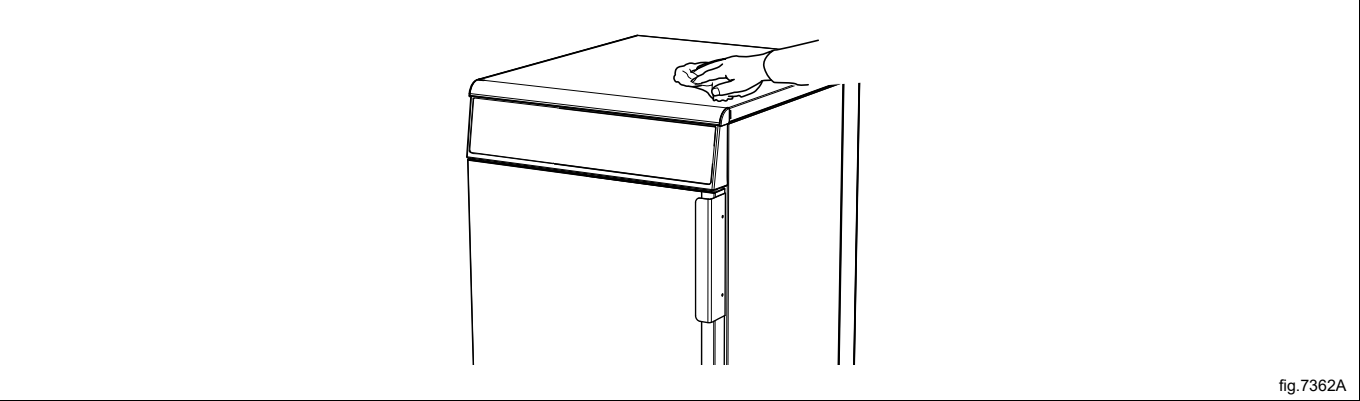
The machine can be used meanwhile. However, the message will keep coming back until the service is performed.

The message will disappear after about 30 seconds or if the control knob is pressed.

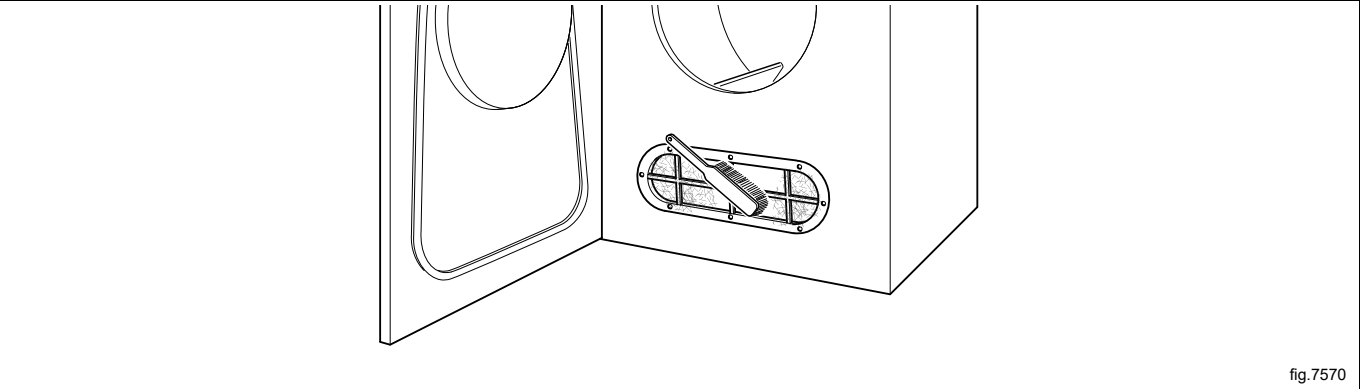
6.3 Every day

Check that the machine does not operate with the door open, if so, the machine must be placed out of order until repairs are made.

Note!
Contact qualified service personnel to disconnect power from the affected machine.
Clean the door, door gasket and other external parts.



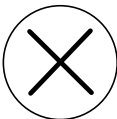
Check that the filter is clean and unbroken. Clean or replace if necessary.





Remove any lint and dust around the machine.



	DO For all surfaces	Use mild cleaning agents, follow daily cleaning schedules, wipe with soft cloths, rinse thoroughly.
	DON'T Painted surfaces	NO polishing agents, NO abrasive cleaners, NO bleach, NO acid descalers.
	DON'T Stainless steel	NO chlorine bleach, NO muriatic acid, NO steel wool, NO wire brushes, NO strong clorides.

6.4 Machines with residual moisture control (RMC)

At regular basis, wipe off/clean drum and lifters with citric acid (*Acidum citricum*). If soap/softener residue remains, it is recommended also to use a coarse sponge.

Lack of cleaning can affect the functionality of the residual moisture control. This can result in more moist load than requested at program end.

6.5 Maintenance to be carried out by qualified service personnel

Contact qualified service personnel to perform the following maintenance:

After 1600 hours of operation or once a year, whichever comes first:

- Clean the fan, the exhaust duct and the fresh-air intake to the room
- On machines with RMC: Clean the glide surface on the RMC graphite collector
- Clean the area around the drum
- Clean the motors

For original spareparts please contact your local authorized dealer.

7 Disposal information

7.1 Appliance recyclability and disposal

7.1.1 Recyclability

Our appliances are manufactured using a significant percentage of recyclable metals (such as stainless steel, iron, aluminium, galvanized sheet, copper, etc.), which can be recovered through the local recycling systems, in compliance with the regulations in force in the country of use.

National regulations regarding waste disposal may vary. Disposal of the appliance must therefore be carried out in accordance with the applicable legislation and the directives issued by the competent authorities in the country where the appliance is decommissioned.

The components of the appliance must be separated and disposed of in accordance with their material composition (e.g. metals, oils, greases, plastics, rubber, refrigerant gases, insulating boards and other insulating material, glass wool, LEDs, etc.) and in full compliance with applicable local and international waste management regulations.

Compressors may contain oils and refrigerants fluids - are special waste and has to be recycled on local bases regulations.

7.1.2 Procedure regarding appliance disposal and component / material recovery

This product should not simply be disposed of in the environment at the end of its life cycle; it is imperative instead either to dispose of it in accordance with local environmental regulations, or, preferably, to deliver it whole to an authorized recycling center.

All removed components, including doors and other structural parts, must be delivered together with the appliance to an authorized recycling or dismantling facility.

The dismantling/recycling center will apply state of the art technologies and methods available to them to effectively disassemble the products for best recyclability.

Note that printed circuit boards, electrical motors or other components identified in European Union legislation to be of high critical raw materials recovery potential need to be addressed specifically.

In case of doubts or questions, always refer to your reference customer care service.

Before disposing of the appliance, carefully inspect its physical condition and preservation state, checking for potential leaks of liquids or gases, as well as for broken parts that may pose hazards during handling and subsequent dismantling.



The symbol on the product indicates that this product should not be treated as domestic waste, but must be correctly disposed of in order to prevent any negative consequences for the environment and human health. For further information on the recycling of this product, contact the local dealer or agent, the customer care service or the local body responsible for waste disposal.

Note!

When dismantling the appliance, any marking, this manual and other documents concerning the appliance must be destroyed.

7.2 Disposal of packing

The packing must be disposed of in compliance with the current regulations in the country where the appliance is used. All the packing materials are environmentally friendly.

They can be safely kept, recycled or burned in an appropriate waste incineration plant. Recyclable plastic parts are marked as following examples.

 PE	Polyethylene: • Outer wrapping • Instructions bag
 PP	Polypropylene: • Straps
 PS	Polystyrene foam: • Corner protectors



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