

User manual

Tumble dryer

TD7–20, TD7–20LAC
Type N2...



Electrolux
PROFESSIONAL

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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: 20.0 kg.
- A-weighted emission sound pressure level at working stations: 70 dB(A).
- 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 Additional safety precautions for gas heated tumble dryer

- Before installation, check that the local distribution conditions, nature of gas and pressure and the adjustment of the appliance are compatible.
- The machine is not to be installed in rooms containing cleaning machines with perchloroethylene, TRICHLOROETHYLENE or CHLOROFLUOROCONTAINING HYDROCARBONS as cleaning agents.
- NOTE: it is pointed out that the connection and commissioning of appliances complying with this standard are subject to observance of the installation regulations in force in the countries where these appliances are marketed.
- Connection to the appliance shall be made with a flexible hose suitable for the appliance category in accordance with national installation regulations of the country of destination and that in case of doubt the installer shall contact the supplier.
- The appliance should be installed on non-flammable materials for the floor, worktop and/or wall close to the appliance if required.
- If you can smell gas:
 - Do not switch on any equipment
 - Do not use electrical switches
 - Do not use telephones in the building
 - Evacuate the room, building or area
 - Contact the person responsible for the machine

1.2 General information

Conditions for storage and transportation of the appliance should fulfil a temperature between -20°C / + 70°C and max Humidity of 95% RH.

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.

Electric power supply should follow:

- Max range for each country rated voltage: -15% / +10%.
- Max range for each country rated frequency: ± 3 Hz.
- Dips/Interruption: 5 Dips/day (100% voltage lost, with 3-4 minutes duration).

A stable power supply is always the best. Fluctuations gives stress and additional load on all electric and electronic components.

1.3 Commercial use only

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

1.4 Copyright

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

1.5 Ergonomics certification

The human body is designed for movement and activity but physical stress injuries as a result of static and repetitive movements or unfavorable working postures may occur.

The ergonomic features of your product, the ones which may influence your physical and cognitive interaction with it, have been assessed and certified.

A product which exhibits ergonomic features, in fact, shall fulfil specific ergonomic requirements, belonging to three different areas: Polytechnic, Biomedical and Psychosocial (usability and satisfaction).

For each of these areas, specific tests with real users have been performed. The product was therefore compliant with the ergonomic acceptability criteria requested by the standards.

In case several machines are managed by the same operator the repetitive movements will increase and as a consequence of this the related biomechanical risk will increase exponentially.

The possible postural risks are the interaction with the user interface, display and buttons.

Follow the below recommendations to avoid, as much as possible, operators acquiring bodily injury.

- Make sure there are suitable trolleys or baskets for loading, unloading and transportation.
- Organize job rotation in the working place in the case several machines are managed by the same operator.

1.6 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 Warranty terms and exclusions

If the purchase of this product includes warranty coverage, warranty is provided in line with local regulations and subject to the product being installed and used for the purposes as designed, and as described within the appropriate equipment documentation.

Warranty will be applicable where the customer has used only genuine spare parts and has performed maintenance in accordance with Electrolux Professional AB user and maintenance documentation made available in paper or electronic format.

Electrolux Professional AB strongly recommends using Electrolux Professional AB approved cleaning, rinse and descaling agents to obtain optimal results and maintain product efficiency over time.

The Electrolux Professional AB warranty does not cover:

- service trips cost to deliver and pick up the product;
- installation;
- training on how to use/operate;
- replacement (and/or supply) of wear and tear parts unless resulting from defects in materials or workmanship reported within one (1) week from the failure;
- correction of external wiring;
- correction of unauthorized repairs as well as any damages, failures and inefficiencies caused by and/or resulting from;
 - insufficient and/or abnormal capacity of the electrical systems (current/voltage/frequency, including spikes and/or outages);
 - inadequate or interrupted water supply, steam, air, gas (including impurities and/or other that does not comply with the technical requirements for each appliance);
 - plumbing parts, components or consumable cleaning products that are not approved by the manufacturer;
 - customer's negligence, misuse, abuse and/or non-compliance with the use and care instructions detailed within the appropriate equipment documentation;
 - improper or poor: installation, repair, maintenance (including tampering, modifications and repairs carried out by third parties not authorized third parties) and modification of safety systems;
 - Use of non-original components (e.g.: consumables, wear and tear, or spare parts);
 - environment conditions provoking thermal (e.g. overheating/freezing) or chemical (e.g. corrosion/oxidation) stress;
 - foreign objects placed in- or connected to- the product;
 - accidents or force majeure;
 - transportation and handling, including scratches, dents, chips, and/or other damage to the finish of the product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery unless otherwise agreed;
- product with original serial numbers that have been removed, altered or cannot be readily determined;
- replacement of light bulbs, filters or any consumable parts;
- any accessories and software not approved or specified by Electrolux Professional AB.

Warranty does not include scheduled maintenance activities (including the parts required for it) or the supply of cleaning agents unless specifically covered within any local agreement, subject to local terms and conditions.

Check on Electrolux Professional AB website the list of authorized customer care.

3 Handling

3.1 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.

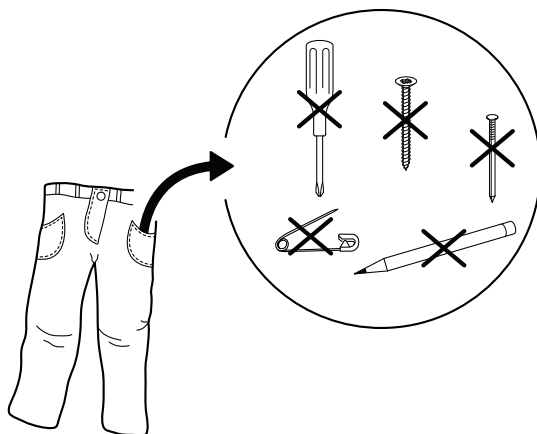


fig.X04827B

Make sure the filter is clean.

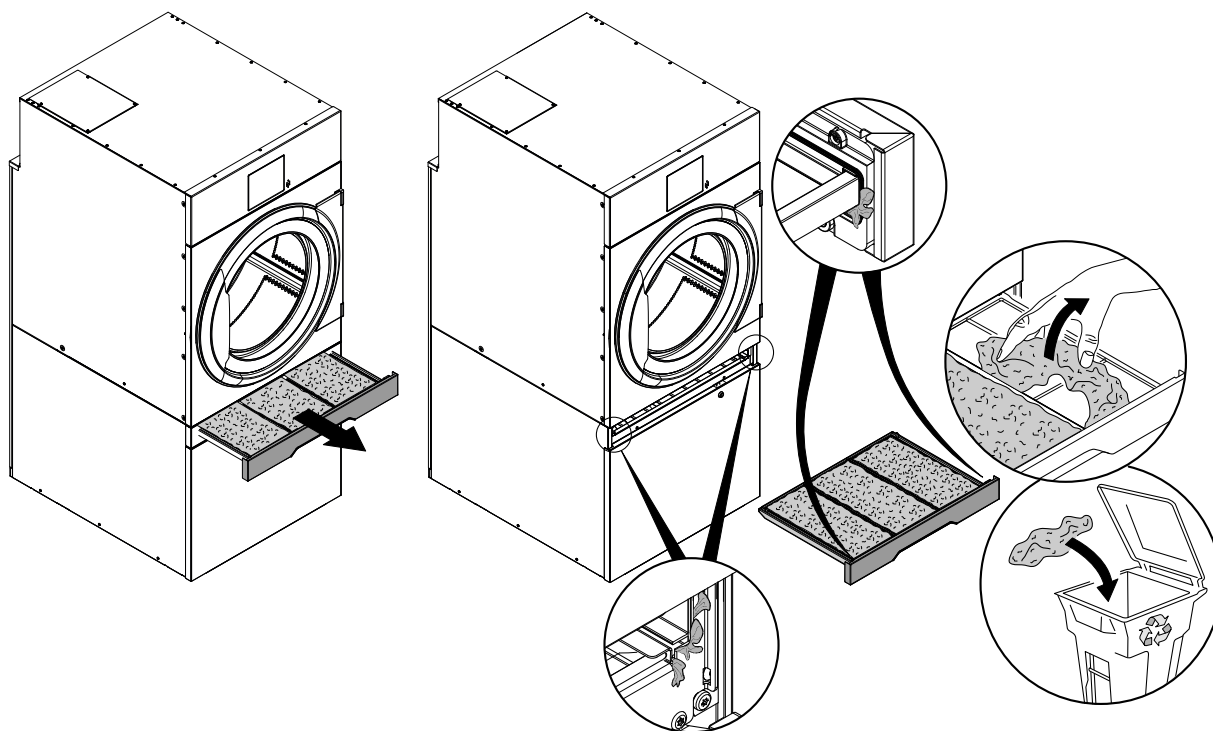


fig.X05075

Load the goods into the machine and close the door.
The recommended maximum load is 20 kg.

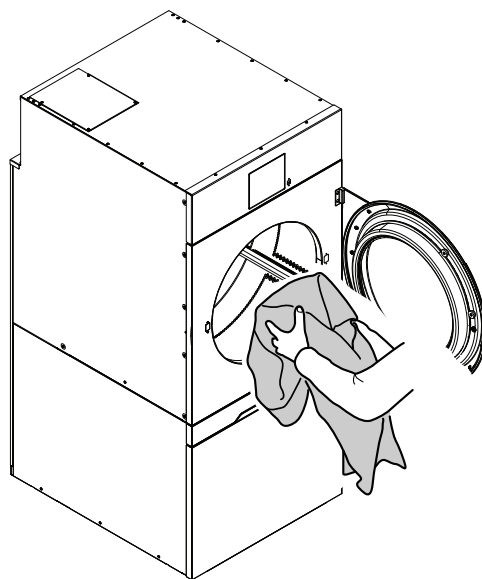


fig.X05076

3.2 How to start the machine

3.2.1 Select program

Select a program from the list.

Depending on machine set up the programs can be displayed in different ways. The following illustrations show some examples.

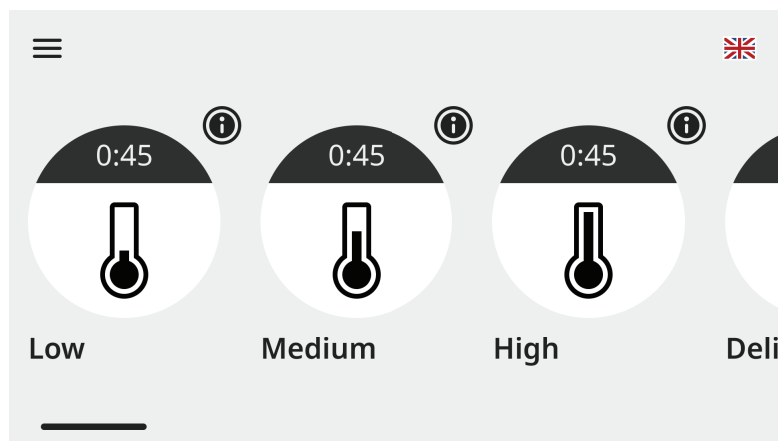


fig.X04959

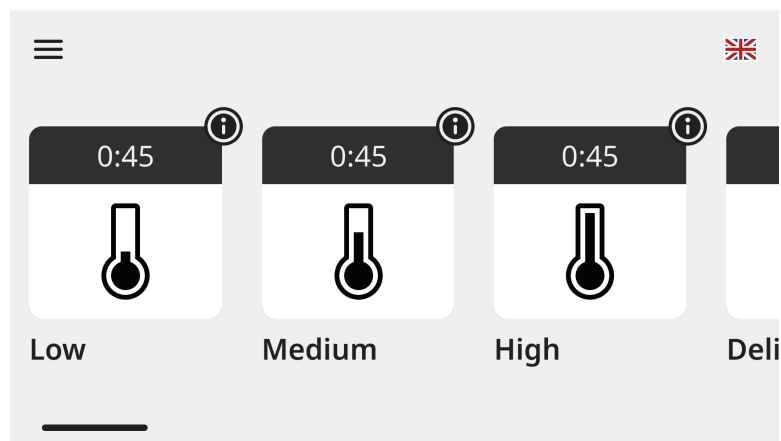


fig.X04959A

In list view you can get a quick view of the main parameters in the program, for example the calculated program duration.

When a program is selected, a start screen is shown. The appearance of this screen depends on the choices made in the installation wizard and in the settings menu.

The following illustration is shown as an example.

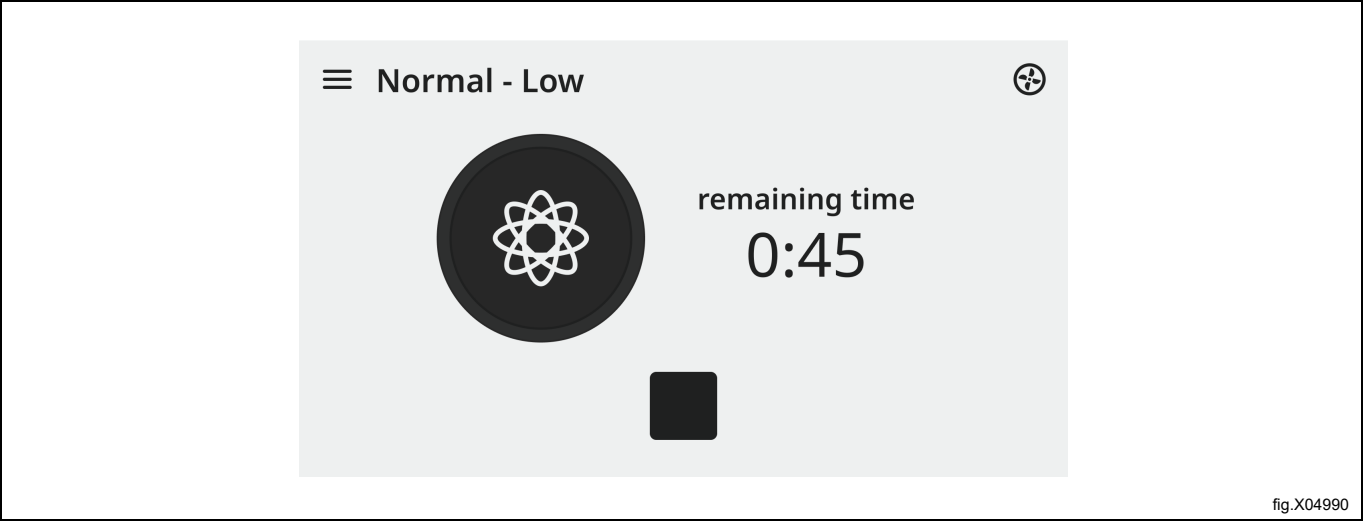


fig.X04990

Activate the information menu for more details about selected program.

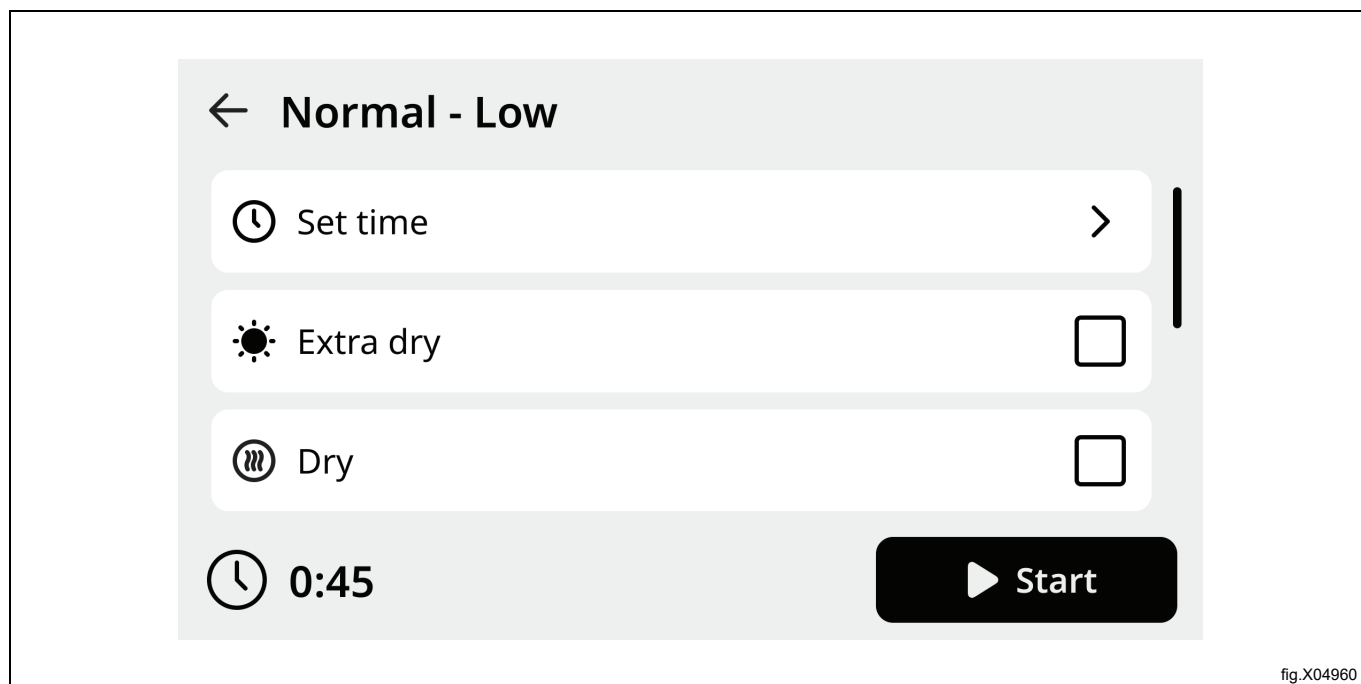
Information about the different program parameters are shown on the screen.

	Information
	The calculated time when the program will be ready if it is started at the actual time. It is possible to set a delayed start. Tap on the date/time field and set the desired finish time. Confirm with the start button. The start button will twinkle until the program starts. If the door is opened before the program starts by the delayed start function the delayed start will be cancelled. In case you want to start the program before the delayed start function starts it you can tap on start again.

3.2.2 Select option

Before starting a program it is possible to also select an option from the list.

Depending on machine set up there can be different options and they can be displayed in different ways. The following illustration show only one example of a view of the display when selecting options.



Tap on the start button to start the program.

During program run it is possible to pause, stop and rapid advance if allowed according to the settings.

3.2.3 Coin operated machines

Select program.

Insert correct amount of coins. Tap the start button to start the machine.

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

3.2.4 When program has ended

When a program has ended or been stopped it is possible to get a report on the screen.



Click on the report icon before opening the door to show a detailed report for the last program on the screen.
If this icon appears or not depends on which segment is selected. This function can be deactivated in the settings menu.

Note!

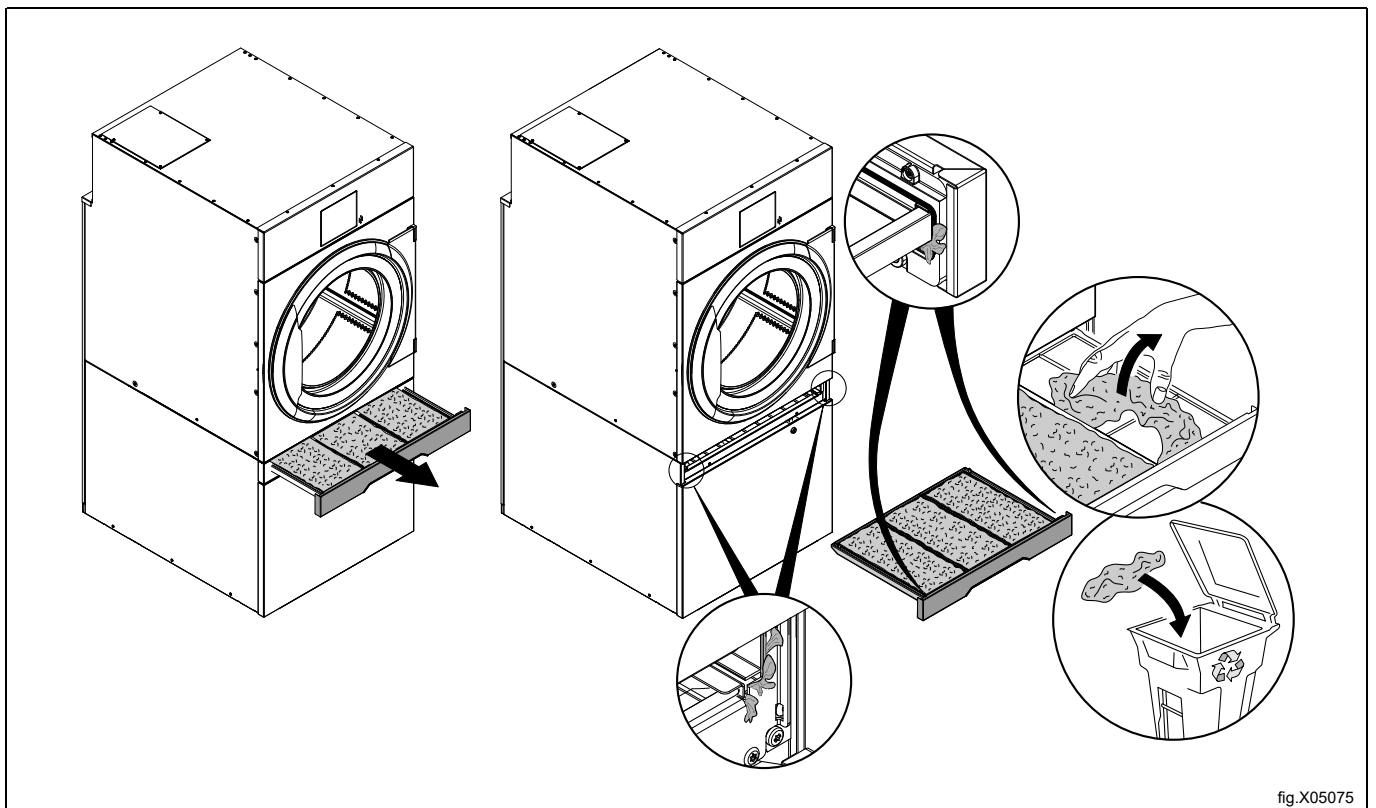
For the best possible drying result it is important to empty the machine as soon as the program has ended.

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.

The filter must be cleaned after each drying cycle.

Clean the filter

The filter must be cleaned after each drying cycle.



Note!

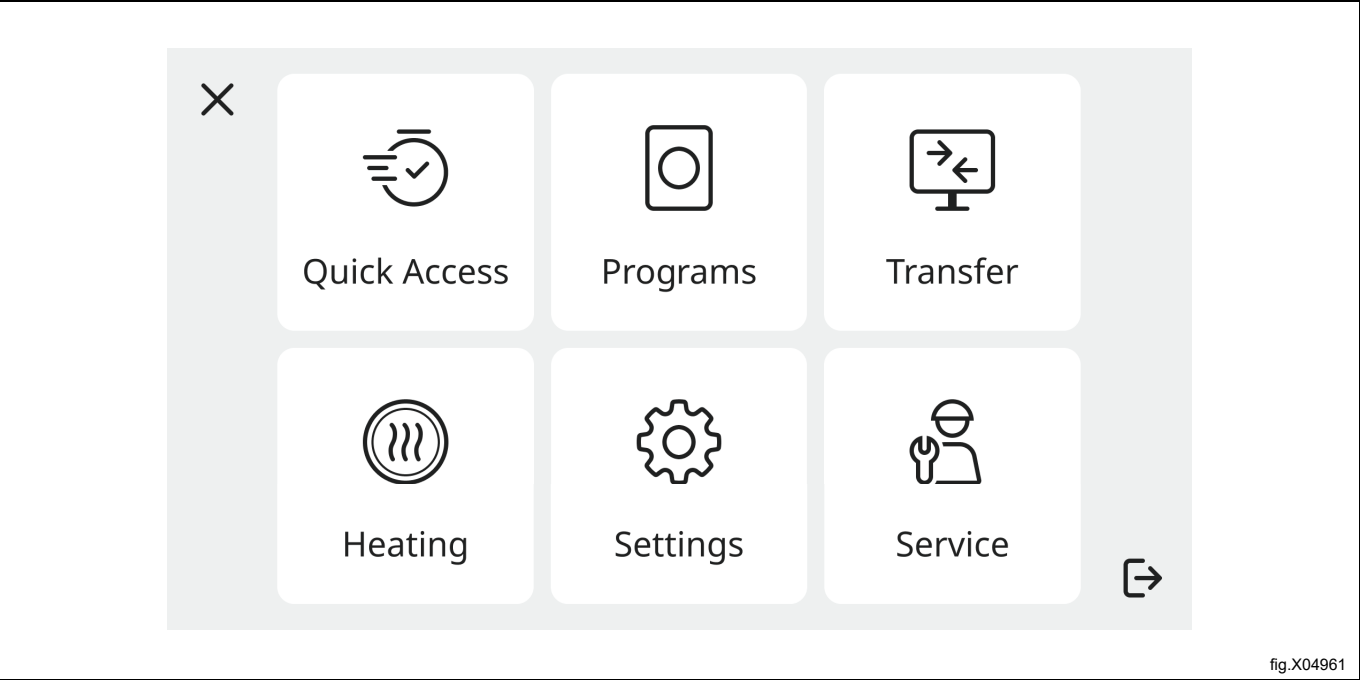
Leave the door open when ready. This is to prevent that moisture stays in the machine and develop bacteria and mould.

4 Menus and functions

4.1 Main menu

Push the menu button  to enter the main menu.

The menu button will not be visible if any of the self service segments is selected. To enter main menu in self service, push and hold the menu button until “Insert pin code” is shown on the screen.



Enter a pin code to access the Main menu.

There are different pin codes for different levels of access.

Default pin codes set from factory are:

- 0000: Manager: Chemical dosing (Used to edit pump settings)
- 1111: Manager: (Used to edit programs, change settings etc.)

Passwords can be changed in Settings.

When activating the Main menu the following menus are shown on the screen:

	Programs Shows the programs available. See section “To start a wash program”.
	Settings This menu is used for different settings of the machine.
	Service This menu is used for trouble shooting.
	Transfer This menu is used for transferring wash programs, images, reports and settings between machine and USB memory.

Different sub menus are visible depending on machine set up.

Always follow the instructions on the screen.

4.1.1 Settings

In this menu, different settings to the machine can be made. The table show some of the settings that can be changed/set.

Language

- Default language
 - Choose from the drop down list which language that shall be used as default language on the machine.
- Timeout to default
 - Set the time, after which the machine returns to the set default language from any other language selected during operation.

Date

Used to change displaying of the date.

Time

Used to change displaying of the time.

Display / Sleep timeout

The display will either be dimmed to a lower brightness or a “Welcome screen” will be shown after the set time of inactivity.

Select if the “Welcome screen” should be shown.

Note!

In the “Transfer menu”, you can upload your own welcome screen.

Programs

- Arrange
 - Make programs active or inactive by dragging and dropping them between the different columns Active and In-active. It is only the programs listed in the column Active that will be shown in the program selection screen.
- View mode
 - Select if the programs shall be displayed as a list or as a grid on the program selection screen.
 - Select if the following fields shall be visible or not on the screen at the start of a program.
 - Info
- End-drying consumptions
 - Select if utility consumption data should be shown at the end of a cycle.
- Program screen timeout
 - If the user has selected a program but not yet started the program, the user interface will go back to the program selection screen after the time set in this menu.
- Max pause time
 - Select if the time a program can be paused should be limited and in that case, set the maximum pause time.
- Region/Country and Business segment
 - Select the country and one or more business segments where the machine will be used. These selections will create an active program list with suitable factory-made programs.

Note!

If any self-service segment is selected, some of the parameters that affect how the user interface looks will change.

- Pause, Stop and Skip / Rapid advance
 - Select for each function, if it should be visible during the whole program (always on), only during the regret time or if it should not be visible at all during the program (always off).
- Regret time
 - This time is counted down from the start of a program. Before this time is up it is possible to go back to the program selection screen without losing paid money (valid for coin-operated machines).
- Stop function visible on screen saver
 - Select if the stop function should be visible on the screen saver or not.
- Timeout for buzzer
 - Set for how long the buzzer should be activated in pause and at program end.
- Show time
 - Select if the estimated program duration and the remaining time shall be shown. The calculated program duration is shown before the program is started, the remaining time is counting down and is adjusted during program execution.

Customers

Here it is possible to make a personal list of customers.

Price programming

In this menu all parameters related to price programming are set.

- Coin value (the value for one coin pulse).
- Prices for each program.
- Prices for options.
- Free program start (makes it possible to start programs without paying).
- One time program start (this program can be used once without paying).

Happy hour

Here you can set discounts (in % or fixed amount) for weekdays and times of days.

4.1.1.1 Payment and booking systems

There are different ways to communicate with payment and booking systems.

Some payment/booking systems use serial communication protocols, other systems use digital outputs/inputs.

For systems that use digital signals, the following applies:

- A payment system (coin selector or card reader) that is mounted inside the machine should be connected to the internal coin input as described in the instruction that follows with the payment system.
- An external payment system should be connected to the I/O unit placed in the rear electrical cabinet (see the installation manual). The external system can either be connected to the coin input or to the enable start input.

In case a payment system is connected to a coin input, set the time for each coin and the price to start for each program in the sub-menu "Price programming".

If a payment or booking system is connected to the external enable start input no coin value or prices should be set.

Select if the "External enable start" (Block start function) is used for Booking or Payment.

It is possible to set additional prices on chemicals in the Pump menu.

4.1.2 Service

This menu is mainly used for trouble shooting and functional tests.

- It is possible to turn on/off outputs and also to check the status of inputs.
- The drum motor can be ordered to run at a desired speed and direction.
- Some tests can only be performed if certain conditions are met.
 - To be able to run the motor, the door must be locked.
- There are two error logs/counters:
 - Error logs: The 20 last occurred errors are shown.
 - Error counters: Shows how many times each error has occurred.
- Reset paid coins
This command will clear the paid unused coins shown in the upper left corner of the display.

5 Error codes

A fault in the program or in the machine is indicated by an error code on the screen.

Some of these error codes can be solved easily without contacting service personnel.

Error code	Text	Cause/Action
12:11	Drying / Drying error with RMC program	The RMC system (Residual moisture system) in the machine indicates that the garment is not dry enough within the maximum drying time. Check that the machine is not overloaded. Check the parameter setting for max. drying time. Check for blown fuses in mains power supply or that steam or gas supply is sufficient and valve is open.
12:17	Airflow / Airflow obstructed, contact responsible	Machine indicates that internal filters are clogged and must be cleaned. Contact the responsible/owner of the machine to clean the internal filters according to the Maintenance manual. Restart the machine to clear the error message.
12:18	Airflow / Redistribution of load needed	Machine indicates that load is blocking the airflow. Redistribute the load. Restart the machine to clear error message.
20:1	Motor / Overheat drum motor	Machine indicates that drum motor is overheated. Wait 30 minutes to allow the motor to cool. Press the start button to clear error message.
30:1	Motor / Overheat fan motor	Machine indicates that the fan motor is overheated. Wait 30 minutes to allow the motor to cool. The machine will restart automatically when the temperature on the motor is OK (if the door has not been opened).

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 shows a message that it is 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).

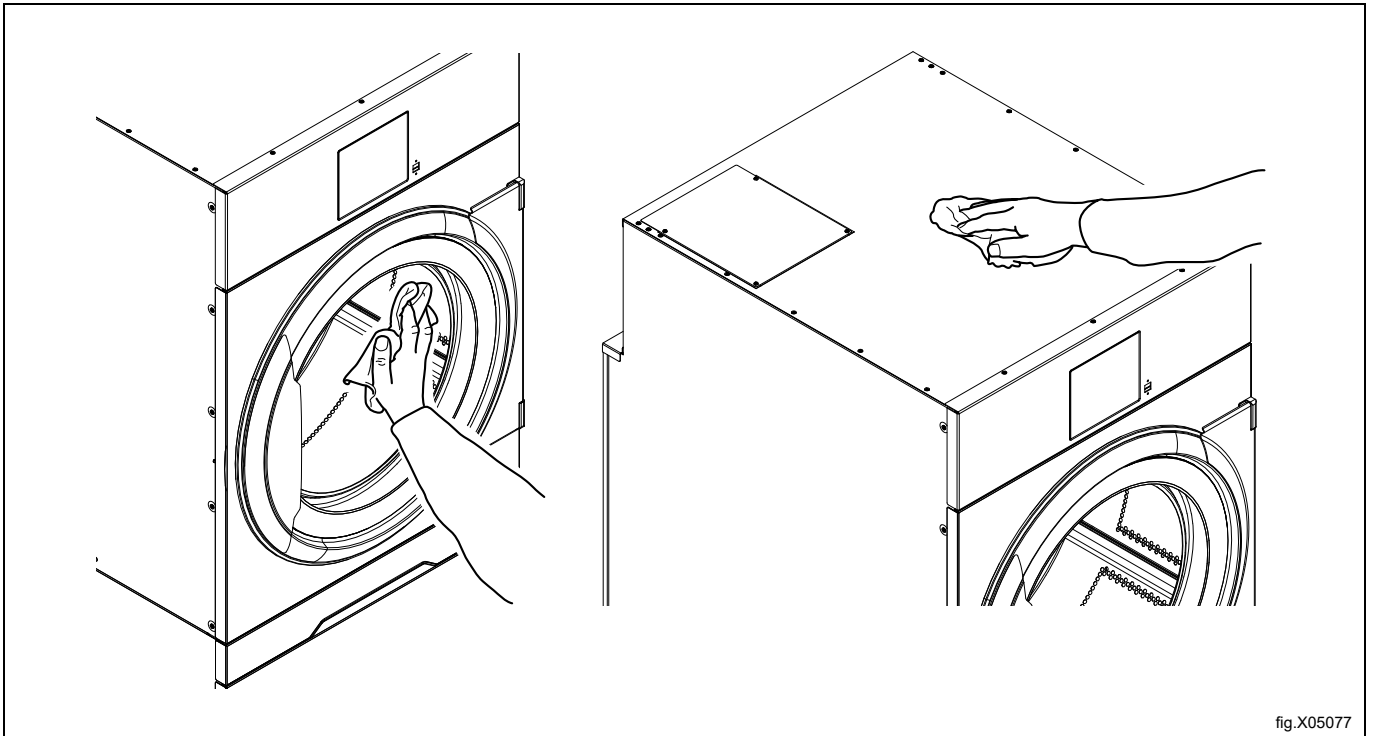
The machine can be used meanwhile. However, the message will keep coming back until the service is performed.

The message will disappear after about 30 seconds.

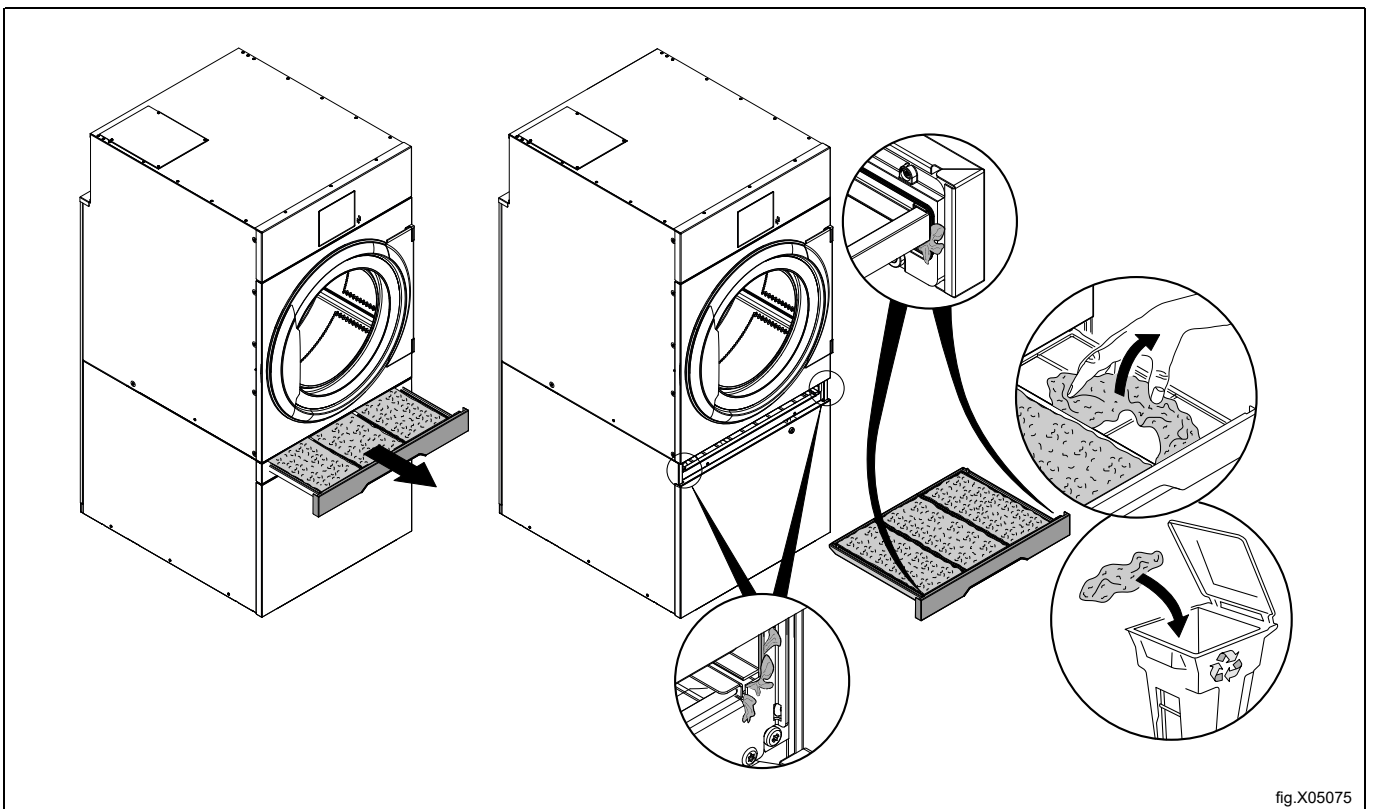
6.3 Every day

Check that the machine stops if the door or the filter drawer is opened, if so, the machine must be placed out of order until repairs are made.

Clean the door, door glass, door gasket and other external parts.



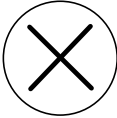
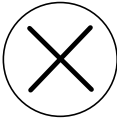
Clean the filter and filter drawer. Check that the parts are not damaged.





Remove any lint and dust around the machine.



	Correct use For all surfaces	Use mild cleaning agents, follow daily cleaning schedules, wipe with soft cloths and rinse thoroughly.
	Incorrect use For painted surfaces	Do not use polishing agents, abrasive cleaners, bleach or acid descalers.
	Incorrect use For stainless steel surfaces	Do not use chlorine bleach, muriatic acid, steel wool, wire brushes or strong clorides.

6.4 Machines with heat pump

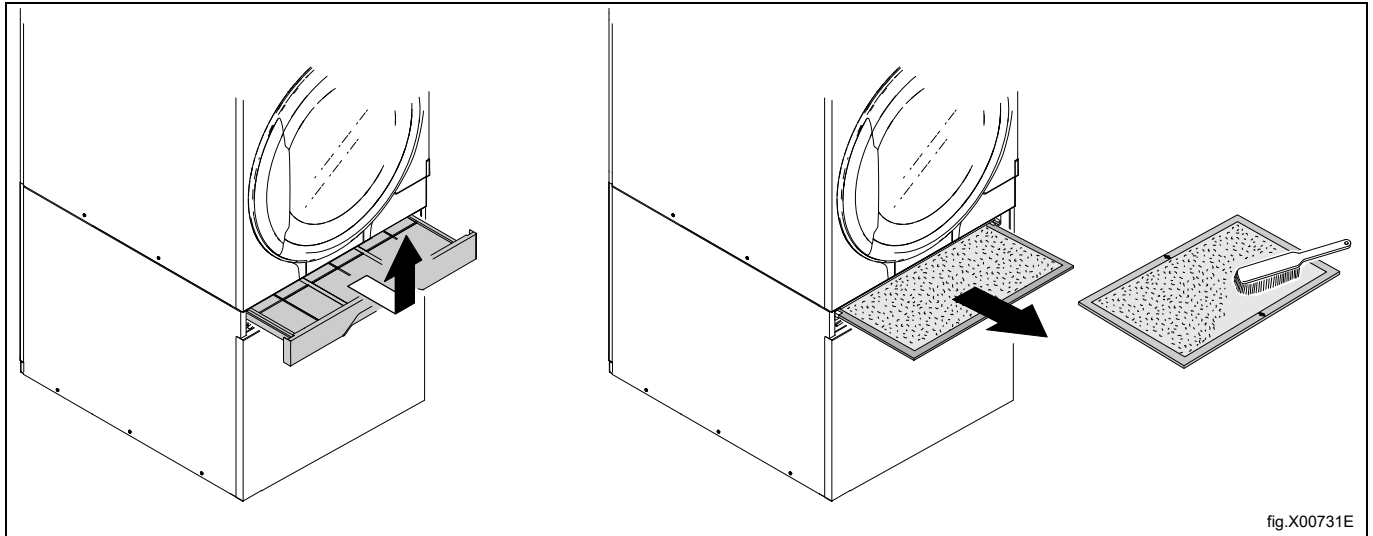
6.4.1 Second lint filter

- If a warning message about cleaning the filter appears on the display; follow the instructions on the display and clean the first and second filter.
- If the first and second filter has been cleaned but the warning message remain on the next drying cycle, the special filter must be cleaned or replaced. Contact the owner of the machine/the laundry manager to clean or replace the special filter.

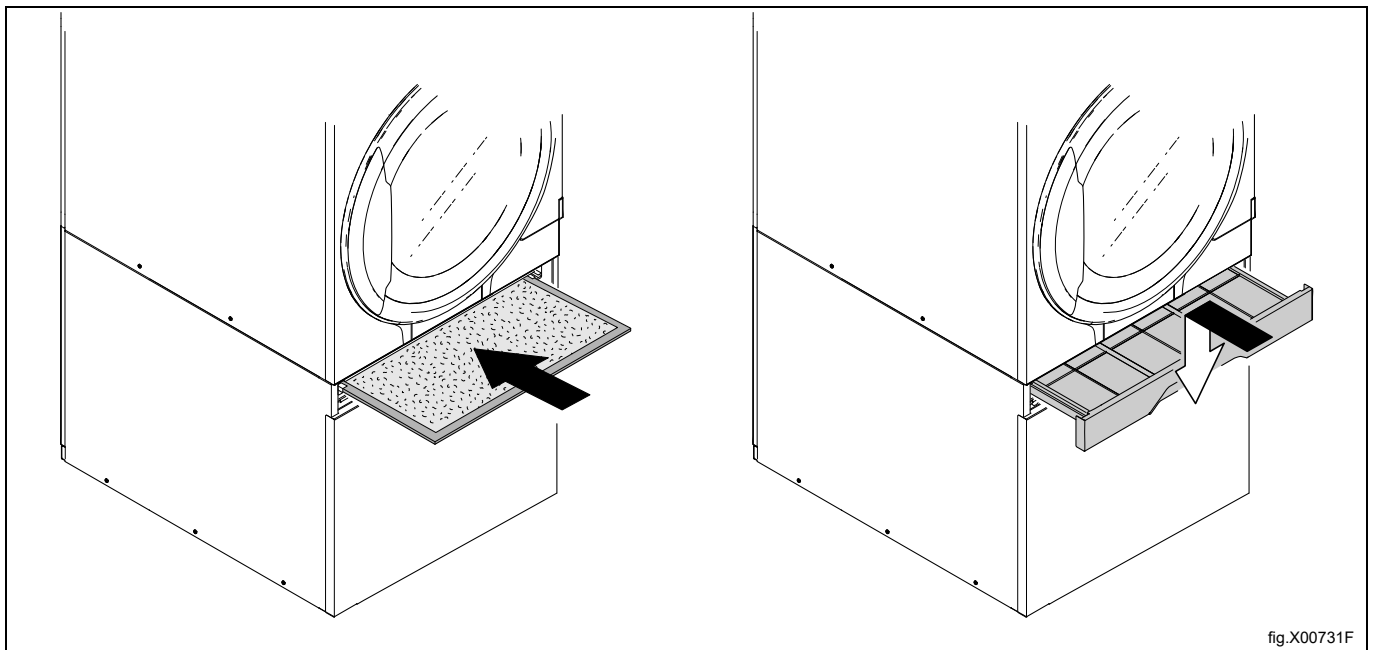
6.4.1.1 To clean the second filter

Remove the filter drawer and pull out the second lint filter.

Clean the second lint filter.



When the second lint filter has been cleaned, insert the second lint filter and the filter drawer.



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.

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



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