



Model	From Serial #
HS-5008	886.068
H5020	1.340.001

Serial #
Shipping date

Operation Instructions For Washers HS-5008 / H5020 COIN CONTROL

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Operation COIN HS-5008 H5020

Rev. 01

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Rev. 01/0902



IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electric shock or injury to persons when using the washer, follow basic precautions, including the following:

1. **READ** all instructions before using the washer and **KEEP** them in a prominent location for customer use.
 2. Do not wash articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry cleaning solvents, other flammable, or explosive substances as they **GIVE OFF VAPORS** that could ignite or explode.
 3. **DO NOT ADD** gasoline, dry-cleaning solvents, or other flammable, or explosive substances to the wash water. These substances give off vapors that could ignite or explode.
 4. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. **HYDROGEN GAS IS EXPLOSIVE**. If the hot water system has not been used for such a period, before using the washing machine, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.
 5. Do not allow children to play on or in the washer. **CLOSE SUPERVISION** of children is necessary when the washer is used near children.
 6. Before the washer is removed from service or discarded, **REMOVE** the door.
 7. **DO NOT REACH** into the washer if the drum is moving.
 8. Do not install or store the washer where it will be exposed to the **WEATHER**.
 9. **DO NOT TAMPER** with controls.
 10. **DO NOT REPAIR OR REPLACE** any part of the washer or attempt any servicing, unless specifically recommended in the user instructions or in published user-repair instructions that you understand and have the skills to carry out.
 11. All **SAFETY INSTRUCTIONS** included in the Instruction Handbooks, should be reprinted and posted in the laundry room.
 12. Failure to install and operate this machine according to the Instruction Handbooks or to work safety and hygiene standards and common sense, may result in conditions which **CAN PRODUCE** bodily injury or loss of life.
 13. The **WARNING, CAUTION** and **IMPORTANT** instructions appearing in the Instruction Handbooks are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and carefulness are factors which cannot be built into this machine. These factors **MUST BE** supplied by the person(s) installing, maintaining, or operating the machine.
 14. All connections for electrical power and plumbing **MUST** comply with the statutory safety standards applicable to each country, and be made by Licensed Installers only (*refer to note 3*).
15.  **WARNING!**
MACHINE INSPECTION, FILTER CLEANING, SERVICE OR PARTS REPLACEMENT.
Before attempting any service or inspection of the washing machine:

 - **COMPLETELY** disconnect the machine from the original power source and check for accidental reconnection. In LOGI CONTROL units, moving the **ON** switch to the OFF position is not sufficient.
 - Wait a minimum of (5) five minutes after disconnection to ensure the elimination of residual voltage within the machine.
 - Close and mechanically interlock the water supply valves and check that machine has **COMPLETELY** drained, parts have cooled down and that no pieces are in movement through inertia.

Failure to comply with this warning may result in serious injury.
16. **NEVER** operate the machine without the panels and guards correctly in place and secured.
17. The room **SHALL** comply with the environment conditions (air venting, temperature, humidity...) specified in the Installation Instruction Handbook.

18. **DO NOT OPERATE** the machine if it is suspected to be faulty, either visually, by noise or smell, or with missing or broken parts.
19. Machine starting-up **SHALL** be made by Authorised Service Technicians (*refer to note 2*).
20. Machine **SHALL BE USED** by qualified personnel (*refer to note 1*), wholly familiar with the machine's operation.
21. **DO NOT** allow children or people with handicaps incompatible to machine use to operate machine.
22. To minimise the possibility of creating a fire, take **SPECIAL** care, **KEEP** appliance area free from combustible materials and fire extinguishers should be easily **ACCESSIBLE** to all laundry staff.
23. Delimitate danger areas and **PREVENT** public access to them with machine in operation.
24. On completion of the day's work, **TURN OFF** the manual supply valves and **DISCONNECT** the electrical power by the External Automatic Switch.
25. Always **CONTACT** an Authorised Service Technician or Licensed Installer (*refer to notes 2 & 3*) about any problems or conditions you do not understand.
26. For a safety operation, machine **MUST** be kept in a good environment, used and maintained properly, and serviced annually by Authorised Service Technicians (*refer to note 2*).
27. The Distributor (seller) **IS OBLIGED** to thoroughly train the operator during the starting-up.

THE MANUFACTURER REFUSES ANY RESPONSIBILITY IF THESE SAFETY INSTRUCTIONS AND ALL INFORMATION IN THE CORRESPONDING HANDBOOKS ARE NOT FOLLOWED.

SAVE THESE INSTRUCTIONS

NOTES:

- (1) **Qualified Personnel** refers to anyone who has read the Instructions Handbooks, has been trained and has a thorough understanding of the machine's operation
- (2) An **Authorised Service Technical (STA)** is one that has successfully completed training on the product by Girbau S.A., or a Girbau, S.A. Distributor.
- (3) An **Authorised Licensed Installer** is one that is suitably qualified in the procedures and regulations applicable in that country.

HAZARD SYMBOLS USED ON WASHER LABELS



Electric risk

Protection guard for electric components.



High temperature risk.

Operate with caution.
Use appropriate protections.



Mechanical risk

Protection guard for moving parts



Risk of harmful vapors inhalation.

Keep dispenser box closed.
Use appropriate protections.

SYMBOLS USED IN THIS MANUAL



This symbol alerts you to potential hazards for the user, the machine or the fabric.



This symbol is used to give relevance to any precise explanation.

IMPORTANT INSTRUCTIONS FOR USE AND CONSERVATION

1. This machine has been made and designed for industrial washing or cleansing in a water bath, linen and textile materials without solvent impregnation. Unless approved by the manufacturer in writing, it is not considered appropriate **FOR OTHER PROCESSES**.
2. Machine **MATERIALS** in contact with wash products are:
 - Stainless Steel **AISI-304 L**.
 - Polypropylene **PP**.
 - **EPDM** and **NBR**.
 - Polyamide **11**.
 - Glass.

The chemicals furnisher and the machine owner will be responsible to assure that the products **ARE COMPATIBLE** and will not produce machine oxidation or damage.
3. Periodically **CLEAN** machine, to prevent metallic parts corrosion, to produce higher output and for a longer life.
4. **NEVER** use harsh products to clean the machine and laundry room. There are products on the market, which are highly corrosive.
5. If machine is left idle for long periods of time, it must be **PROTECTED** from humidity and temperature variations.
6. **FOLLOW** the fabric care instructions supplied by the manufacturer, **GIRBAU S.A., REFUSES ANY RESPONSIBILITY IN CASE OF TEXTILE WEAR AND TEAR**.
7. Failure due to improper machine operation may **VOID WARRANTY**.
8. Any part you may replace on your washing machine, must be an **ORIGINAL SPARE-PART** official **GIRBAU**. Otherwise the machine can suffer damages and may be dangerous for its safety.
9. When asking for information on your machine, **MENTION** model and serial number (features plate is located at the rear side).
10. Any reuse or reproduction of this machine Instruction Handbooks is strictly prohibited without the **WRITTEN CONSENT** of the manufacturer.

THE ELECTRICAL DIAGRAM IS LOCATED IN THE UNDERSIDE OF THE WASHER TOP COVER.

SAFETY INSTRUCTIONS

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HANDBOOK APPLICATION

The operation instructions on this handbook are applicable to machines with program **20** version and above. (Refer to **INFO menu**, **Section 2.5** on the Advanced Operation Instructions **rev. 01** at the manufacturer's website)

NOTE

The contents of *sections 2.2, 2.4, 2.5, 2.6, 2.7 and chapter 3*, can be consulted at the manufacturer's website: www.girbau.com, see Advanced Operation Instructions **rev. 01** for **HS-5008 COIN CONTROL**.

1. OPERATING INSTRUCTIONS

1.1. Control panel

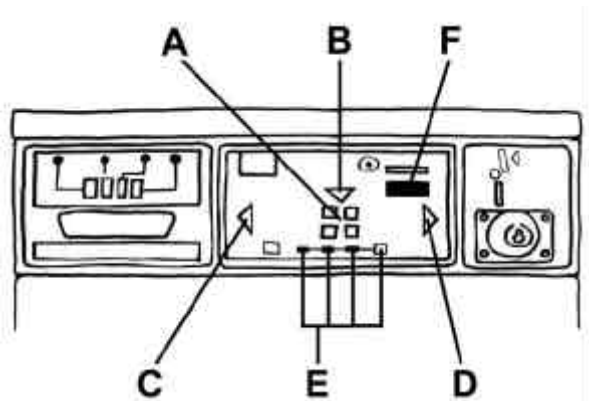


fig. 1

A: Washing program selection keys.



Each key corresponds to a program.
The selection of a program is registered by the key led.



Program stop.

Light signal of a program start sequence:

- B:** Washer loading and program selection
- C:** Wash products loading
- D:** Payment of the program value

E: LEDs indicating the phase of the program in progress.

F: Display. Shows the function being run.

Main reports that appear on the display:

REPORT	MEANING
door	Washer with door open. Machine ready to start a program
Pr-*	Program selected.
C** / F***	Bath temperature (machines with heating)
Cash	Price of the program / number of tokens to be inserted
8888	Wash program time left
End	End of program. Door unlocked. Machine in idle mode.

1.2 Loading the washing machine

Group the fabrics to be washed in homogeneous loads, trying to reach the nominal value of the load. Empty all pockets, fasten buttons, close zippers and remove accessories that are not machine-washable. We do not recommend mixing whites with other colours or garments of different colours.

Open the door and load the machine. The led of washer loading and program selection blinks.

We recommend filling the drum to its nominal load. Do not overload the machine; the door must be able to close easily.

Whilst the door is open, the display reads **door**, indicating that the door must be closed in order for the program to begin.

Use light pressure to close the door. Avoid impacts.

The door will now be locked during the entire washing cycle.

1.3 Using the dispenser

Open the dispenser drawer and fill the compartments with the corresponding products, according to these symbols:



PRE-WASH CANCELLATION

Some washing machines don't carry out the pre-wash phase. To avoid the dispenser to get clogged up it is important to warn the operator about the correct use of the dispenser.

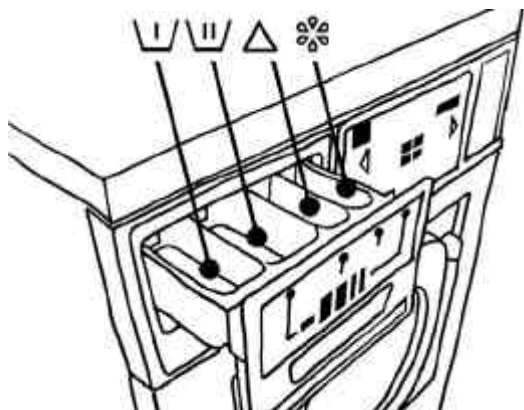


fig. 2

- I** - Powdered detergent for pre-wash.
- II** - Powdered detergent for wash.
- D** - Bleach (chlorine, bleach...)
- *** - Softener / neutraliser.



ALWAYS CLOSE THE DISPENSER DRAWER BEFORE STARTING THE WASHING CYCLE. NEVER OPEN THE DISPENSER DRAWER DURING THE WASHING CYCLE.



SUDS CONTROL.

The mechanical action of front-loading washing machines improves the quality of the wash but encourages creation of suds.

Remember that a suds bath always reduces the efficiency of your wash. **ALWAYS USE CONTROLLED SUDS DETERGENT.**

Oversudsing causes an increase in the pressure inside the machine and decreases the efficiency of the sealing systems.

Repeated washing with a large amount of suds considerably reduces the life of seals and bearings. **THIS CIRCUMSTANCE IS NOT COVERED BY THE MACHINE'S WARRANTY.**

displayed in the display, and the led associated to the key will light .

- Put the washing products in the dispenser and close it (see section 1.3). The led indicating the program payment will light.
- After displaying the program number, the display will show the report **CASH** and next, it will show the price of the program or the number of tokens to be introduced.
- Insert the amount showed in the display. The display will show the price or the number of tokens left to start the selected program. Each coin or token introduced will deduct its value from the final value.
- When the introduced value reaches the program value, the machine will start a countdown during which the door will be locked. Next the selected washing program will start.

1.4 Starting a program

- Load the machine and close the door (see section 1.2).
- Choose the desired program with the corresponding key (For information on the characteristics of each program, please see section 1.5. Wash Programs). The selected program will be

During the course of the program, the door will remain locked until the led indicating the end of the program will light.

During the coin or token insertion, the program change is allowed. The price of the program will adapt to the new selection and the value of the coins or tokens introduced will be kept in the memory.

The new selected program will be displayed by the led associated to the key.

1.5. Programs application and contents

In the default configuration, the program contents is defined as follows:

PROGRAM			WASH			RINSES			FINAL SPIN	
num	application	estimated time	rotation	°C	min	num	D		type	min
1	HOT White cotton	32 min	heavy duty	60	10	3	✓	✓	high	6
2	WARM color-fast. perm press	32 min	heavy duty	50	10	3	✓	✓	high	6
3	COOL normal	30 min	heavy duty	30	8	3	✓	✓	high	6
4	COLD Delicate	27 min	normal	20	8	3	✓	✓	medium	3

USA / CANADA programs

PROGRAM			WASH			RINSES			FINAL SPIN	
num	application	estimated time	rotation	°F / °C	min	num	D		type	min
1	SUPER WASH Heavy soil	27 min	heavy duty	113 / 45	9	3	✓	✓	high	5
2	HOT White	22 min	heavy duty	104 / 40	6	2	✓	✓	high	5
3	WARM Color fast. Perm Press	22 min	heavy duty	86 / 30	6	2	✓	✓	high	5
4	COLD Delicate	20 min	normal	68 / 20	6	2	✓	✓	medium	3


The contents of each program can be modified. See the Advanced Operation Instructions **HS-5008 COIN CONTROL rev. 01**, on the manufacturer's website: www.girbau.com.

1.6 Stop modes

1.6.1 End of cycle

After the final spin cycle, the machine will begin a countdown during which it will stop the drum and unlock the door. A buzzer and the LED indicating the end of the cycle will notify you when you can open the door.

1.6.2 Interrupting a program

- A. Press the  button to interrupt a washing program. The safety time before the door can be opened will be approximately two minutes. A buzzer and the LED indicating the end of the cycle will notify you when you can open the door.
- B. Disconnecting the external automatic switch or the general emergency stop of the laundry.

We do not recommend these stop modes, except in an emergency. As long as the door remains closed, the machine will think that there has been a power failure. When the power is switched back on, the machine will resume the program in progress.



On machines with pumped drain, the disconnection of the external automatic switch or the activation of the emergency stop does not allow the bath drain.

1.7. Unbalance control

Before starting spin, the control of the washing machine checks the correct distribution of the load.

If it detects that the load is not well distributed and that can cause an excessive unbalance during the spin, a new positioning of the clothes will be carried out.

If there's still unbalance during the spin of the last phase, the washer can end the washing cycle reducing noticeably the spin speed. If this is the case, the report **End/bAL** will be showed after the delay of the door opening.



To improve the efficiency of the spin of the washer it's advisable to:

- Load the washer until its nominal value.
- Load the washer with homogeneous loads.

2. MODIFICATION Mode

The **MODIFICATION** mode offers some menus, which allow the modification of programs contents, the price management of the programs, the modification of operating parameters ...

The **MODIFICATION** mode is made up of eight menus defined in the following chart.

To program or modify the price of the programs, follow the instructions on this book.

For a description in detail of the other menus, refer to the Advanced Operation Instructions **COIN CONTROL rev. 01**, on the manufacturer's website.

MENU	PURPOSE	SECTION
Pro	Modification of program contents	www.girbau.com
CASH	Programming and/or modifying each program price	Section 2.3 on this book
DEMO	Operation mode with program accelerator	www.girbau.com
INFO	Information menu	www.girbau.com
Mod	Modification of the operating parameters	www.girbau.com
Ncod	Modification of access code	www.girbau.com
CALE	Prices allocation according to hour band	www.girbau.com
HOUR	Adjust the system time	www.girbau.com

2.1. Access to MODIFICATION mode

Connect the washer and open the door. The display shows **door**.

Push and hold down **1** key until the **Cod** report appears on the display.

Enter the access code to the menus pressing, without interruption, the sequence of eight keys of the code. In basic configuration (when the machine is delivered) the access code to MODIFICATION is: **12341234**

If the sequence set is correct, the display will show **Pro**, corresponding to the first menu.

Keys **2** and **4** allow the selection of the precedent table menus. The menu selected is showed in the display following its keyword. To enter in it, press the **1** key when displaying it.

If wished to skip the **MODIFICATION** mode, press **STOP** and machine will return to program execution mode.

The **MODIFICATION** mode can be also left disconnecting the electric supply of the washing machine.

Modification

2.2. Modification of program contents. Menu Pro.

Refer to Advanced Operation Instructions
HS-5008 COIN CONTROL rev. 01
www.girbau.com.

2.3. Program price. Single price for each program. CASH Menu.

The **CASH** menu allows allocating a price, individually, to each program. This price can be the value in coins or in tokens, depending on the coin meter in the machine.

Token counter meter: The price of each program is fixed by the number of tokens to be introduced to start the program. The programming or modification of the program price will always be in units.

Coin counter meter: The price of each program is set by its value in coins. The programming or modification of the program price will always be a multiple of the coin used. In two type of coins meters, the program value will always be a multiple of the less valuable coin.

Price programming = **0000** allows the free use of the washing machine. When selecting a washing program, the report **FrEE** is showed in the display and the washing program is started pushing the **STOP** key.

2.3.1. Program price programming / modification.

Access to **MODIFICATION** mode. Section 2.1. Display shows **Pro**.

Push the **2** key. Display shows **CASH**.

Push the **1** key to access the management price menu . Display shows **Pr-1** (selected program)

Keys **2 / 4** allow the selection of the program number desired in a cyclical way.

Push **1** key to modify the selected program price. The display will show the current price of the selected program.

Push **2** key to increase or **4** key to reduce the program price.

Push **1** key to validate the price displayed in the display.

Pr-* is showed in the display. Next program.

1 key allows the price modification of the new program displayed

STOP key allows the access to the higher programming level. Display shows **CASH**. Keys **2 / 4** allow the selection of another menu.

To leave the MODIFICATION mode push the **STOP** key twice in display **Pr-***

For the price management in washing machines with the clock option set, see Advanced Operation Instructions **HS-5008 COIN CONTROL, rev. 01** at the web of the manufacturer: www.girbau.com.

4. TROUBLESHOOTING

Some of the washing machine's operating problems can be solved through the intervention of the user. These problems are detailed below.

Should you have any questions, remember to consult the Authorised Technical Service.

4.1 What to do when...

...the machine makes a strange noise during the spin cycle.

- Check the levelling of the machine. See section 2.5 of the Instruction Manual for Installation.
- Tighten the locking screws on the outside panels.
- If the problem persists, contact the Authorised Technical Service.

...there is a water leak.

- Check the status of the output draining pipe.
- Check the status of the seals on the water inlet hoses; tighten the connectors.
- Clean the door seal of any possible deposits or remains of cloth.

- Check the coupling of the filter and the draining pump (section 5.6)

- If the problem persists, seal all of the water inlets and contact the Authorised Technical Service.

... you have forgotten the access code for the advanced operating mode

- Contact the Authorised Technical Service.

... the clock (option) stops working correctly

- Possible battery failure. Contact the Authorised Technical Service to have it replaced.

4.2 System alarms

The safety of the washing machine use requires that the machine itself precisely monitor any possible anomalies. These anomalies are reported in the form of alarms.

On the washing machine's display, the **ALM** message will appear, alternating with the specific alarm report.

Below are possible causes of alarms and the steps to follow.

REPORT ON THE DISPLAY	PROBABLE CAUSE	WHAT TO DO
ALM/A-*	Faulty water inlet	Check water inlet pressure. Check manual water inlet valves. Check the status of the filters in the electrovalves (see section 5: Maintenance).
	Defect in the electrovalves. Defect in the level control system.	Call Service
ALM/E	Machines with pump drain: obstruction of the draining pump.	Clean the draining pump (see section 5: Maintenance).
	Failure in the drain system. Erroneous drain configuration.	Check the status of the washing bath's output hoses. Call Service
ALM/L	Leakage in the electrovalve. Bath level with machine idle.	Close manual water inlet valves Call Service
ALM/SL	Bath level exceeded.	Close manual water inlet valves Call Service
ALM/C	Defect in the temperature probe. Erroneous heating configuration. Defect in the heating circuit.	Call Service
ALM/Prob	Defect in the temperature probe.	Call Service
ALM/BAL	Defect in the unbalance control switch.	Call Service
ALM/VAR*	Disconnection of the motor's thermal protection. Alarm set off by the inverter.	Call Service
ALM door	Faulty door lock	Call Service

5. MAINTENANCE



- **Before performing any work on the washing machine, disconnect and mechanically lock the external switch, and close and mechanically lock the manual water inlet valves.**
- **Check the temperature of the parts to be handled, to avoid the risk of burns.**
- **The dispenser may contain residues of chemical products. When handling this component, avoid direct contact with the skin and use eye protection.**
- **The draining pump and valve may contain residual water. When handling these components, avoid direct contact with the skin and use eye protection.**
- **Remember to reassemble ALL of the panels and place them correctly after any maintenance work.**

5.1 Operations described

- Cleaning the washer (section 5.2)
- Cleaning the door seal (section 5.3).
- Cleaning the electrovalve filters (section 5.4)
- Cleaning the dispenser (section 5.5)
- Cleaning the draining pump (section 5.6)

5.2. Cleaning the washer

- We recommend periodic cleaning of the outside of the washing machine. Use a damp cloth or sponge.
- To remove traces of grease, use mild soap and rinse as required.
- Never use abrasive products or tools that could scratch or damage the surface of the washing machine.

5.3. Cleaning the door seal

- Use a damp cloth or sponge.
- Be especially careful to remove traces of laundry products or pieces of fabric that could be caught between the folds of the seal.
- Never use abrasive products or tools that could cut or damage the seal.

5.4. Cleaning the electrovalve filters

- **Tools required:**
 - Disassembly of the fittings: Slip-joint plier or pipe wrench.
 - Disassembly of the filters: pliers.
- This operation should only be carried out if a decrease in the input flow to the washing machine has been detected.
- Disconnect and mechanically lock the external switch, and close and mechanically lock the manual water inlet valves.

- Check the temperature of the hot water hose, so as to avoid the risk of burns.
- Disassemble the fittings that connect the hoses to the washing machine.
- Remove the filters from their housings inside the washing machine, using pliers to pull on the central flange.
- Clean the filters with pressurised water and place them back into the electrovalves.
- Assemble the hoses in their corresponding inputs. Tighten the fittings.
- Connect the external switch, open the manual water input valves and check the water tightness of the coupling.

5.5. Cleaning the dispenser

- **Tools required:**
 - Disassembly of the fixed stops: Torx. T20 screwdriver.
- Disconnect and mechanically lock the external switch, and close and mechanically lock the manual water inlet valves.
- Open the dispenser drawer and disassemble the stops that are visible in the lower section.

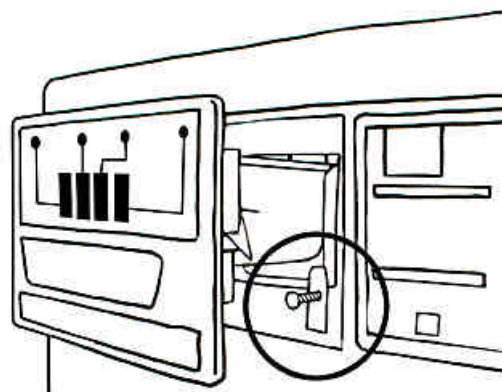


fig. 3

- Completely remove the drawer and disassemble the siphon tubes of the liquid compartments.
- Clean with water. Warmer water makes cleaning easier.
- Clean the inside of the dispenser drawer body. Use a damp cloth or sponge.
- Assemble the siphon tubes and insert the drawer into the dispenser.
- Never use abrasive products or tools that could scratch or damage the dispenser.
- Assemble the fixed stops of the drawer and make sure that it cannot be completely pulled out.
- Connect the external switch and open the manual water inlet valves.
- Begin a washing program that involves dispensing chlorine and softener, and check the operation of the siphon tubes.

5.6. Cleaning the drain pump

□ Tools required:

- Disassembly of the lower front panel: slotted screwdriver: 5mm.
- Before disassembling the lower front panel of the washing machine, disconnect and mechanically lock the external switch, and close and mechanically lock the manual water inlet valves.
- Empty any residual water contained in the drain ducts, placing the corrugated rear tube horizontally on the floor. The water will come out of the end. Collect the water in a flat container.
- Disassemble the lower front panel. The draining pump is accessible.
- Unscrew the filter and separate it from the pump body.

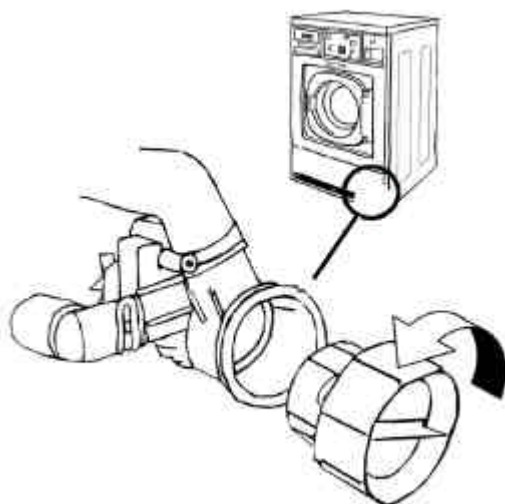


fig. 4

- Clean it of any deposits.
- Assemble the filter in the draining pump.
- Assemble the lower panel.
- Connect the external switch and open the manual water inlet valves.
- Begin a washing program and check that there are no water leaks.

5.7. General overhaul

□ Only by the Authorised Technical Service.

- As preventive maintenance action, it is very important to ask the Authorised Technical Service for a periodic overhaul of the washing machine.
- Recommended periodicity: biannual or each 2000 washing cycles.
- When performing this operation and due to the fatigue they are subject to, we recommend to replace the outlet hose of the dispenser and the door seal.

6. SERVICE REMOVAL



- **Removing the washer from service requires a specialised company.**
- **Never release the washer unsecured.**
- **To release the washer and subsequent transportation, refer to the same specifications and cautions indicated for Installation.**

When removing the machine:

1. Disconnect the external switch and lock it mechanically. Remove the power wires.
2. Close and mechanically interlock the manual water supply valves. Remove water supply hoses.
3. Disassemble the drain outlet pipe and empty any residual water left in the washing machine into a flat container.
4. Assemble the shipping restraints.
5. Disassemble the door of the washing machine (consult the Authorised Technical Service).

6.1 Dismantling

Most of the machine's components are made with recyclable or recoverable materials.

The injected pieces bear information on the materials that were used to make them.

The main materials are:

- Steel plates.
- Stainless plate.
- Grey cast iron.
- Aluminium
- Glass
- Polypropylene (PP)
- Ethylene Propylene EPDM)
- ABS.