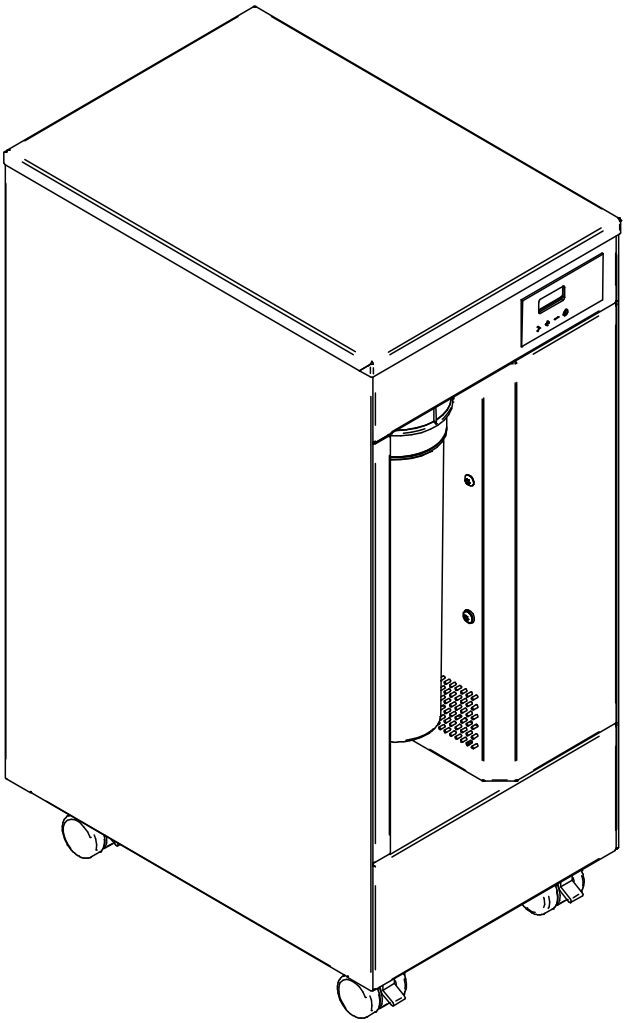
WO-30-01

Potable water treatment osmosis system for HO.RE.CA. applications.



MANUAL

use and maintenance

EU declaration of conformity

1. Equipment/Product Model

WO-30-01
Potable water treatment osmosis system for HO.RE.CA. applications.

2. Name and address of the manufacturer or his authorized representative:

SMEG SPA
Street L. Da Vinci, 4
42016 Guastalla (RE)

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Aim of the declaration:

1. Production year 2018 and subsequent

5. The object of the declaration described above is in conformity with the relevant Union harmonization legislation

- 2006/42/UE (MACHINES)
- 2014/30/UE (EMC)
- 2014/35/UE (LVD)
- 2015/863/UE (RHOS3)

6. References to the relevant harmonized standards used, including the date of the rules, or reference to other technical specifications in relation to which conformity is declared, including the date of the specifications:

- EN 62233:2008/AC:2010
- EN 55014-1:2006/A1:2009
- EN 55014-1:2006/A2:2011
- EN 55014-2:2015
- EN 61000-3-3:2013
- EN 60335-1:2012/AC:2014
- EN 60335-2-40:2003/A13:2012/AC:2013

22/05/2018
SMEG S.p.A.

INDICE

SAFETY WARNINGS

Children must not play with the equipment.

In case of a water leak, disconnect the power plug and close the water inlet valve, then contact the service centre.

You must not open the machine cover.

For all operations of installation, extraordinary maintenance, break down researches and spare parts requests, please contact the manufacturer or a qualified service centre.

Read carefully the instructions for installation, operation and maintenance before installing this equipment.

Improper installation, alterations or modifications can cause damage to people and property.

Intentional damage or from negligence, or deriving from the non-compliance with rules and instructions, or due to incorrect connections or unauthorized tampering, invalidate any warranty or liability of the manufacturer.

1 GENERAL INFORMATIONS

1.1 MANUFACTURER / ASSISTANCE

BUILDER	ASSISTENCE
Smeg S.p.a Guastalla (RE)	Personal Data of the Retail Seller

1.2 CERTIFICATION

The system was manufactured in compliance with the following EU Directives:

Machines	*2006/42/EU*
Low Voltage	*2014/35/EU*
Electromagnetic Compliance	*2014/30/EU*
RoHS 3	*2015/863/EU*

1.3 PURPOSE OF THE MANUAL AND ITS CONTENTS

This manual was written in order to supply the user with all the necessary information needed to facilitate the autonomous and safe operation of this device. The manual contains information that is critical to the operation and regular maintenance of the machine.

WARNING

This manual is addressed both to the users, for the parties expressly stated, and to the technicians qualified for maintenance of the machine.
Before carrying out any work on the machine, both users and installers and qualified technicians should read carefully the instructions contained in this manual.
Users can only perform the operations described in this manual and they have not to perform tasks reserved to maintenance or qualified technician.

WARNING

All extraordinary maintenance operations must be done by qualified personnel only.

1.4 CARE AND STORAGE OF THE MANUAL

The instruction manual is an integral part of this device and must be kept nearby at all times, and stored inside the proper container and, above all, protected from liquids and anything else that could compromise its readability. The manual contains the declaration of conformity that can not be copy. In case of loss or damage, a copy can rquired writing and quoting the serial number.

1.5 IMPORTANT SYMBOLS TO REMEMBER

GENERAL WARNINGS

This symbol Indicates warnings or button information regarding the operation of this device. Please pay close attention whenever you see this symbol.

This symbol Indicates that specialized/portable equipment may be required to adjust or repair the components of the device.

This symbol Indicates that a visual or in-depth inspection, etc. of the device may be required.

INDICATIONS OF DANGER

This symbol Indicates General cautions; risk to the operator.

This symbol Indicates danger of electrical shock or electrocution.

RESTRICTIONS

This symbol indicates general restrictions.

2 CHARACTERISTICS OF THE DEVICE

2.1 RECOMMENDED USE

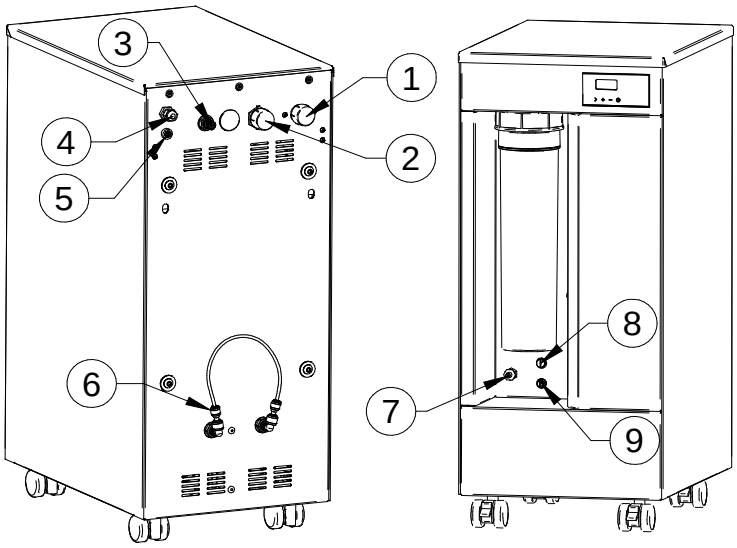
WO-30-01 is equipment designed for dish/glass wash machine water treatment. It is able to modify organoleptic and chemical characteristics of potable water, reducing saline content.

2.2 FORBIDDEN USE

ATTENZIONE
 **Use for drinking purposes:** **IT IS STRICTLY FORBIDDEN to use the equipment for the treatment of non-drinking water.** **IT IS STRICTLY FORBIDDEN to use the equipment in the absence of periodic maintenance.** **IT IS STRICTLY FORBIDDEN to use the equipment in hygienic conditions or environments that aren't in compliance with those indicated in this manual.** **IT IS STRICTLY FORBIDDEN to supply the equipment with waste water, sea water or water in chemical, physical and biological that do not meet the potability limits. (Industrial waste or chemical processing).**  **The device can be used by children aged less than 8 years, and by people with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, only under surveillance or after their having received instructions about safe use and understood of the dangers inherent in it.**

2.3 DESCRIPTION

N°	DESCRIPTION	GENERAL REPRESENTATION
1	IN ¾"M	
2	OUT ¾"M	
3	DRAIN PIPE 3/8"	
4	POWER 230V-50HZ	
5	FUSE F4A	
6	DRAIN CAPILLARIES	
7	TANK PRECHARGE = 0,25 MPa	
8	CONDITIONING VALVE	
9	MIX	



The equipment shows in the rear the hydraulic connections for inlet of the water to be treated, the permeate outlet, the concentrate outlet and drain capillaries. In the front it shows the manual by-pass valve, the conditioning valve and tank precharge valve.

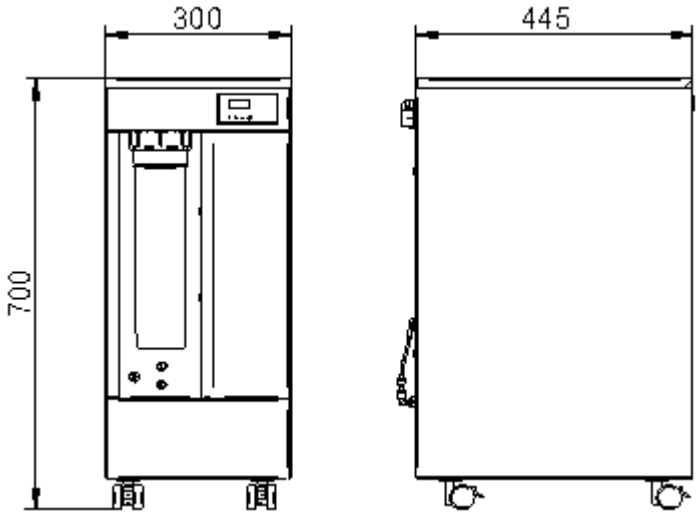
- WORKING LOGIC:

From the water inlet, the water first goes through a prefiltration system to protect the membrane and, put under pressure by the pump, is presurated in the vessel containing the membrane.The permeated water produced is sent to a pressurized accumulation tank.

- TREATMENTS:

The prefiltration is necessary to retain the solid impurities and chemical substances that could damage the membrane. The reverse osmosis phase is the second and most important process that takes place inside the machine and that, through the use of special membranes, reduces by 90-95% the salts present in the raw water.

2.4 EXTERNAL DIMENSIONS



The maximum dimensions do not include hydraulic / electrical connections.

2.5 TECHNICAL SPECIFICATIONS

	WO-30-01
TECHNICAL SPECIFICATIONS	
Height x Width x Depth (mm)	300x445x700
Weight (kg)	30
Approved Decibel Level under normal operating conditions (db)	<70
Membranes (nr. 2)	TWG2B-1100398
Activated carbon pre-filtration	Y21408BSG
Tank pre-charge (MPa)	0.25
WATER SUPPLY SPECIFICATIONS	
Water type	Drinkable
Minimum water temperature (°C)	5
Maximum water temperature (°C)	30
Minimum inlet flow rate (l/h)	700
Maximum inlet pressure (MPa)	0.6
Minimun inlet pressure (MPa)**	0.15
POWER SUPPLY SPECIFICATIONS	
Power supply type	MONOPHASE + GROUND
Nominal power (V)	230
Frequency (Hz)	50/60
Absorbed current (A)	3
Power (W)	690
Fuse type (electronic board)	F4A
PERMEATE WATER SPECIFICATIONS	
Output maximum flow rate	c.a 240
Recovery percentage (%)	c.a 25

WARNING

* The percentage of dissolved salts and other rejected elements is influenced by the quality of the water, the temperature, the pressure and the totality of dissolved salts and it is different depending on the types of salts or elements.
** Dynamic: pressure measured in the inlet with the RO system in operation.
*** Test conditions as guaranteed by the manufacturer:
T=25° 250ppm NaCl pH7,5
NTU ≤ 1 CHLORINE < 0,1 mg/l

WARNING

The quality of the water produced (permeate) is influenced by the quality of the raw water, the temperature, the pressure and the totality of dissolved salts.
The treatment of particularly turbid water in presence of organic substances or in suspension can cause the early clogging of prefilters and / or membranes with and loss of water flow rate and quality.

WARNING

The use of the machine outside the limits indicated is considered **IMPROPER USE.**

3 INSTALLATION

The installation must be carried out in a cool, dry and well ventilated place, taking care to protect the equipment from the action of frost and / or heating bodies and the direct action of the sun's rays.
Avoid subjecting the machine to excessive thermal changes that could create internal condensation that can damage the electronic part.

WARNING

The installation must be carried out by **specialized personnel** in possession of the requisites necessary to give the installation declaration in accordance with the law.
Put an upstream tap to exclude the equipment from the water system in case of maintenance interventions.
If it is required to put a non-return valve in accordance with DIN EN 1717: 2000 on the water inlet (min. grade 2).
Provide water sample points upstream and downstream of the equipment.
Provide a 16A power outlet with adequate protection (see §2.5).
If required by the local regulations the application of the DIN1714 standard, put an anti-siphon.
Use new compliant washing tubes in compliance with EN61770 with diameter no less than DN10.
Do not reuse old or worn pipes.

CHECKS TO DO BEFORE INSTALLATION

Presence and efficiency of the grounding wire of the power line.
Compatibility of power line with the electrical specifications indicated on the plate on the back of the machine.
Power circuit electric cables with a cross-section of more than 0.75 mmq.
Network voltage stability (power surges less than 10%).

3.1 EN1717 DRAIN ADAPTER INSTALLATION

The equipment has a drain funnel, that is a device for the protection from pollution of drinking water in plumbing systems and is designed to prevent backflow pollution, in compliance with the European standard UNI EN 1717 of November 2002. This device prevents flowing back by venting all elements downstream of drain valve into the atmosphere.

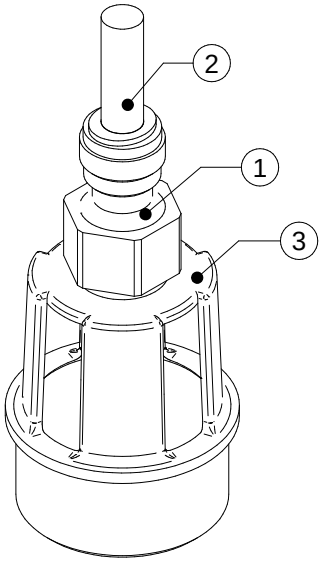
Install EN1717 drain adapter on a drain pipe with a diameter of 50 mm.

Tighten the straight F 3/8 "x1 / 2" fitting and connect the 3/8 "drain pipe.

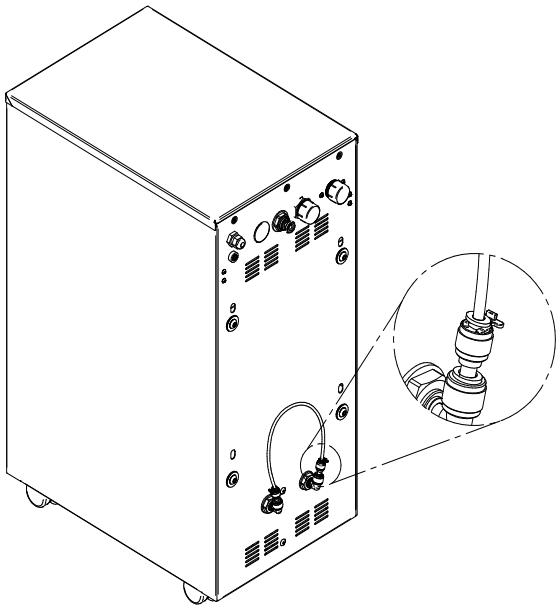
The 3/8" drain pipe must not have any creases or narrowings that could reduce its flow rate.

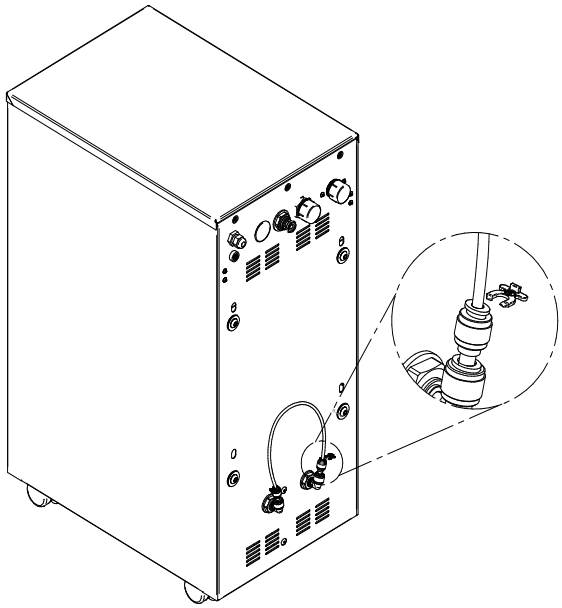
In case of drain clogging, water comes out from the side gaps.

1. FEMALE STRAIGHT 3/8”x1/2” FITTING
2. 3/8” PIPE
3. EN1717 DRAIN ADAPTER



3.2 EXCHANGE OF DRAIN CAPILLARY





WARNING

Remove the locking clip.
Push the fitting clip and remove the white capillary.
Insert the ends of the tube into the fittings.
Put the locking clip between the fitting and the clip.

WARNING

After replacing the capillary, set the filter change time in the control unit (see § 4.8)

Frequency 50/60 Hz

<table>
<tr><td rowspan="6">PH</td><td>9,5</td><td rowspan="2">BLACK 95h</td><td rowspan="2">WHITE 90h</td><td rowspan="3">WHITE 90h</td><td rowspan="2">SOFTENERS +BLUE 100h</td></tr>
<tr><td>9</td></tr>
<tr><td>8,5</td><td rowspan="4">BLUE 100h</td><td rowspan="4">BLACK 95h</td><td rowspan="3">WHITE 90h</td></tr>
<tr><td>8</td></tr>
<tr><td>7,5</td><td rowspan="2">BLACK 95h</td></tr>
<tr><td>7</td></tr>
<tr><td rowspan="2">HARDNESS</td><td>°F</td><td><11</td><td>12--25</td><td>26--35</td><td>36--44</td></tr>
<tr><td>°Dh</td><td><5</td><td>6--15</td><td>16--20</td><td>21--25</td></tr>
</table>

4 FUNCTIONING

4.1 FIRST START-UP

WARNING

The first start-up of the machine must be done by the installer.
The installer checks the correct functioning of the machine.
Before starting the system, carry out the cartridge conditioning procedure.
Open the tap upstream of the system and the conditioning valve of the pre-filter (see §2.3) providing a bucket or a drain well at the outlet.
Insert the power plug into a 230V 50Hz socket with efficient ground.
Let the water flow through the conditioning valve for at least 5 minutes and then proceed with the closure of the same.
Now the system is able to function.
It's recommended to carry out two filling/ mptying cycles to allow the system to drain the substances suitable for the conservation of the reverse osmosis membranes.
Check for leaks from the hydraulic circuit.
CONSIDER: for the complete filling of the presurized tank about 5 min are needed

4.2 NORMAL USE

For normal use of the equipment it is necessary to keep the system always on and hydraulically powered.
The system starts up automatically for each request to the tap.
Every 6 hours, the machine automatically opens the inlet valve, so that the membranes are washed for 2 minutes.

4.3 MIX - BY-PASS

The mixing valve, installed on the back of the machine, allows to vary the produced water salinity: it uses the filtered water taken after the pump and it mixes it with the permeated water downstream of the membranes. The device must be calibrated in the installation phase.
With WO-30-01, treated water retains about 10-15% of the original saline.
In the event of a machine malfunction, this valve allows to exclude the osmosis system and to supply filtered water downstream.

4.4 LOW PRESSURE ALARM

If low pressure alarm occurs, machine stops and makes three BEEP and display alarm.
The machine restarts automatically after 1 minute. The min pressure switch is ignored for 20 seconds at machine start.If low pressure alarm repeats consecutive, the restart delay increases automatically.
To reset the alarm, switch the machine off and on again.

4.5 LEACKAGE ALARM

The machine has two leackage sensors inside. In chase of leackage, the machine makes a long BEEP and stop the machine. To restart the machine, disconnect and reconnect the power plug pressing the button.
When the alarm is pre-set the card makes three BEEPs.

WARNING

The opening and the control of the anti-flooding probe must be done by qualified personnel (see §7).

4.6 HIGH CONDUCTIVITY ALARM

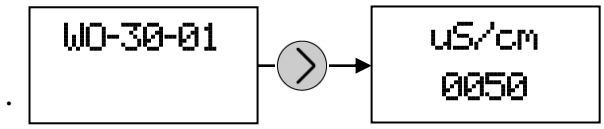
If after 120 seconds from the start the conductivity of water is three times higher than normal, the display shows “High Cond.”.
Contact the assistance service for change the membranes. The high conductivity alarm doesn’t cause the equipment block. The high conductivity alarm disappears when the value returns below the preset value.

4.7 INACTIVITY

WARNING

Absolutely avoid the membrane dehydration that would irreparably damage its functioning.
We recommend that, whenever the unit remains stationary for a period of almost one week, let the water run for at least 10 minutes before to take water.
For longer periods of stop it is recommended to follow the instructions given in the paragraph "set aside" (see §6.4.1).

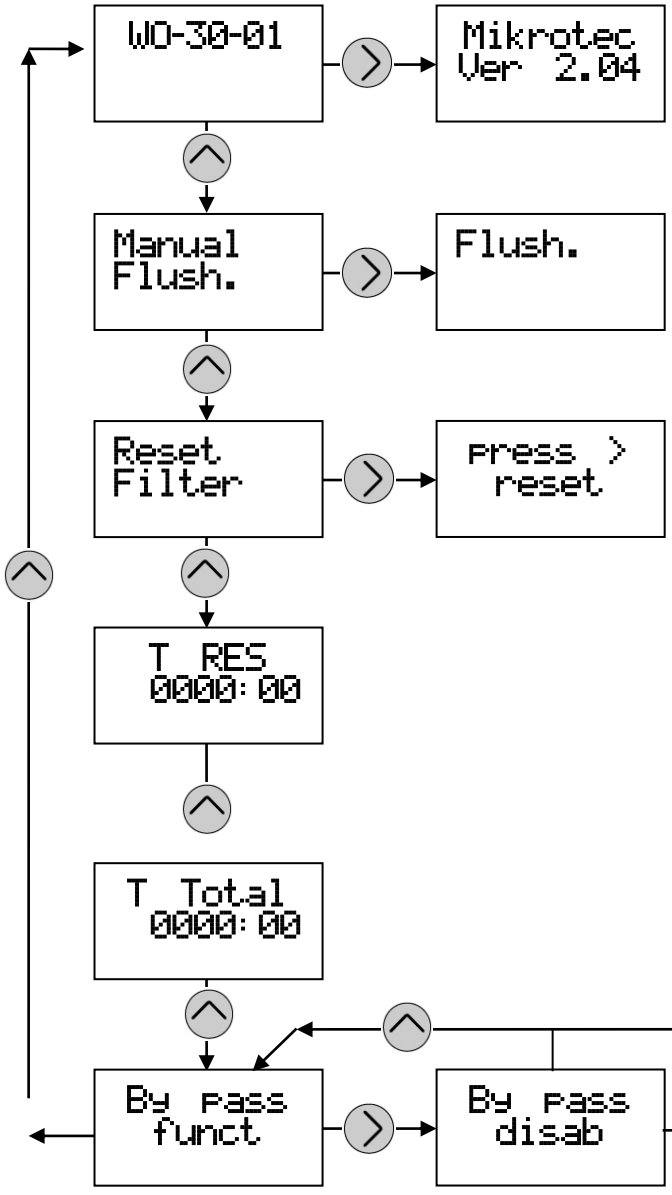
4.8 ELECTRONIC BOARD FUNCTIONING



When the board is in normal operating mode, the name of the equipment or of the dealer is displayed.

Pressing the button the instantaneous conductivity is displayed.

With board in standby mode, you can scroll the menu with and ; buttons; enter in the menu with button.



Pressing button the software release is displayed.

It performs the flushing of the membranes for 2 minutes by opening the inlet solenoid valve.

It resets the hours of operation of the filter. Confirm with .

It displays the remaining hours before the filter change.

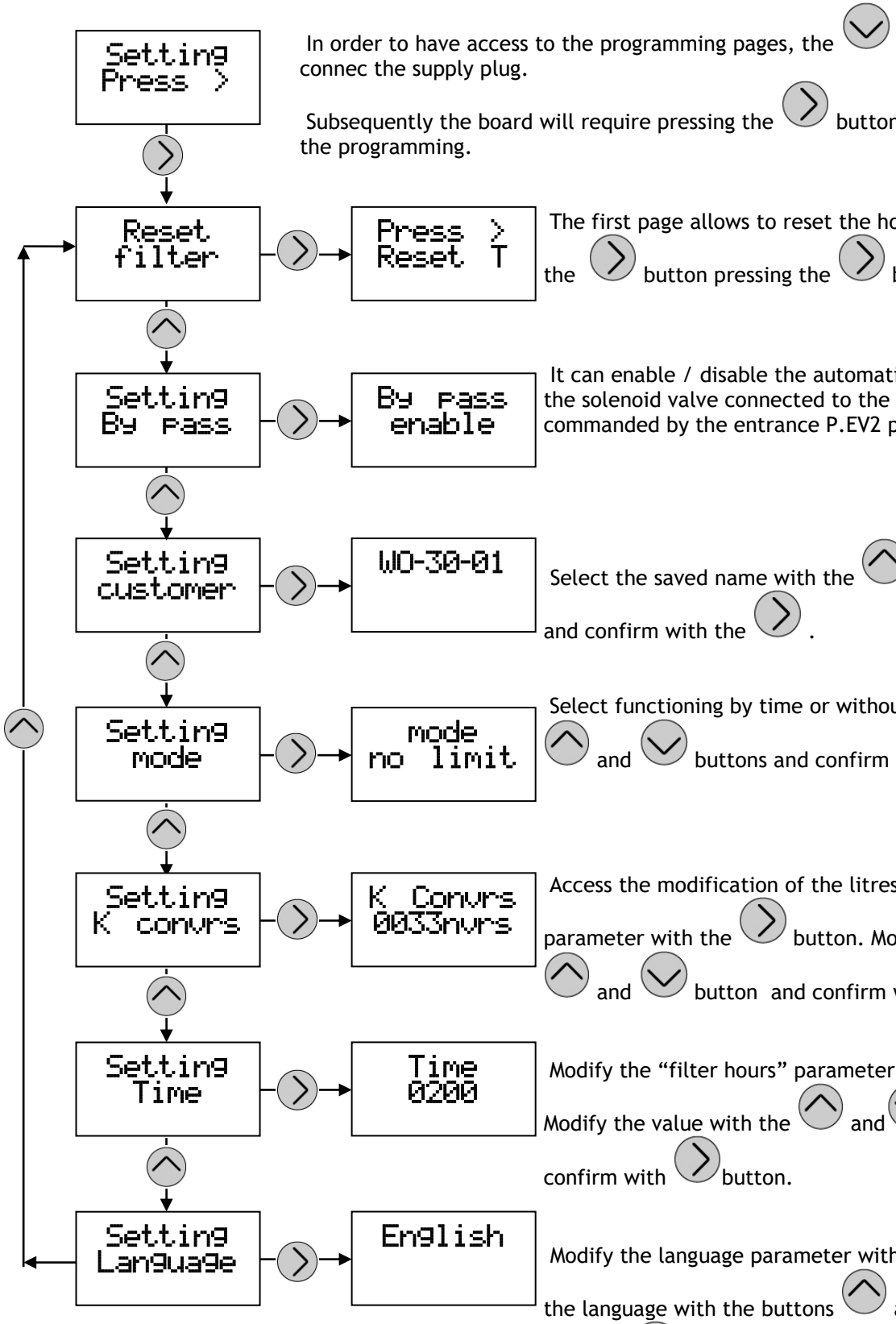
It displays the hours spent from the filter change.

It activates the by-pass EV2 solenoid valve.

WARNING

WO-30-01 hasn't automatic by-pass solenoid valve.

4.9 CONFIGURATION MENU



In order to have access to the programming pages, the button while you connec the supply plug.

Subsequently the board will require pressing the button to confirm access to the programming.

The first page allows to reset the hour counter by pressing the button pressing the button.

It can enable / disable the automatic bypass activated by the solenoid valve connected to the output EV2, commanded by the entrance P.EV2 pressure.

Select the saved name with the and buttons and confirm with the .

Select functioning by time or without time limit with the and buttons and confirm with the button.

Access the modification of the litres/hour conversion parameter with the button. Modify the value with the and button and confirm with the button.

Modify the “filter hours” parameter with the button. Modify the value with the and buttons and confirm with button.

Modify the language parameter with the button. Set the language with the buttons and and confirm with the button.

5 ORDINARY MAINTENANCE TO BE DONE BY USER

PRECAUTIONS
Do not open or remove the protective panels for any reason. If necessary, contact qualified technical personnel.

WARNING

The operations indicated below must be carried out periodically using ***only*** original spare parts.
This maintenance must be documented in the appropriate space in the maintenance log (see Annex III).
It is advisable to carry out an ordinary maintenance at least once every 6 months even if the limit of filter capacity has not been reached.

5.1 TASKS OF MAINTENANCE PERSONNEL

The ordinary maintenance plan described in this paragraph must be done according to the time indicated to keep the machine functioning efficient and to guarantee the quality of the water treatment.

PART TO CONTROL	CONTROL	FREQUENCY
Machine	Visual inspection integrity and conservation status	6 MONTHS or WHEN YOU CHANGE FILTER
	Cleanliness	
	Functional testing	
Carbon block filter	Replecement when it's indicaded on display (see §6.2)	
Expansion Tank	Check expansion tank function (see §6.3)	

WARNING

DO NOT use corrosive products, acids, steel wool or wire brushes to clean the device.
DO NOT use low or high pressure jets of water when washing the device.

6 EXTRAORDINARY MAINTENANCE TO BE DONE QUALIFIED PERSONNEL

PRECAUTIONS

The maintenance personnel must possess the following requisites, and know this manual and all the safety information:

- General and technical culture at a level sufficient to understand the content of the manual.
- Knowledge of the main hygiene, accident prevention and technological standards.
- Overall knowledge of the machine as well as electrical and hydraulic problems that can be encountered at the site where the machine is installed.

6.1 TASKS OF MAINTENANCE PERSONNEL

The extraordinary maintenance plan described in this paragraph must be done according to the time indicated to keep the machine functioning efficient and to guarantee the quality of the water treatment.

WARNING

The operations indicated below must be carried out periodically using only original spare parts.
This maintenance must be documented in the appropriate space in the maintenance log (see Annex III).
It is advisable to carry out an extraordinary maintenance at least once every 6 months even if the limit of filter capacity has not been reached.

PART TO CONTROL	CONTROL	FREQUENCY
Machine	Visual inspection integrity and conservation status	6 MONTHS or WHEN YOU CHANGE FILTER
	Cleanliness	
	Functional testing	
	Sanification	
	Expansion Tank pre-charge	
Carbon block filter	Replecement when it's indicaded on display (see §6.2)	
Expansion Tank	Check expansion tank function (see §6.3)	
Machine	Calibration check, clean conductivity probe connectors	In chase of malfunction or 2000 working hours (*)
Membranes	Replacement	In case of high conductivity o rreduction in flow exceeding 30% (*)
Vane pump and solenoid valve	Replacement	2000 working hours

(*)Special water conditions may require more frequent maintenance.

WARNING

DO NOT use corrosive products, acids, steel wool or wire brushes to clean the device.
DO NOT use low or high pressure jets of water when washing the device.

6.2 PRE-FILTER REPLACEMENT

For the precharge of expansion tank follow these steps:

Turn off the system by pressing the button. Remove the power plug.
Empty the expansion tank completely, supplying water.
Remove the rear screws of the cover and move it forward. (fig. e)
Remove the cover. (fig. f)
At the rear of the machine find the inflation valve of the expansion tank. (fig. g)
With a manometer, check that the indicated pressure is **≥0.1 MPa**.
If necessary, restore it with a compressor or a manual pump: proceed at intervals never exceeding 0.2 MPa!
During the reactivation, which must take place with the tap open, there may be a water leakage.
Close the machine by performing the reverse procedure.

Switch on the system by pressing the which will be ready for use after 5 minutes.

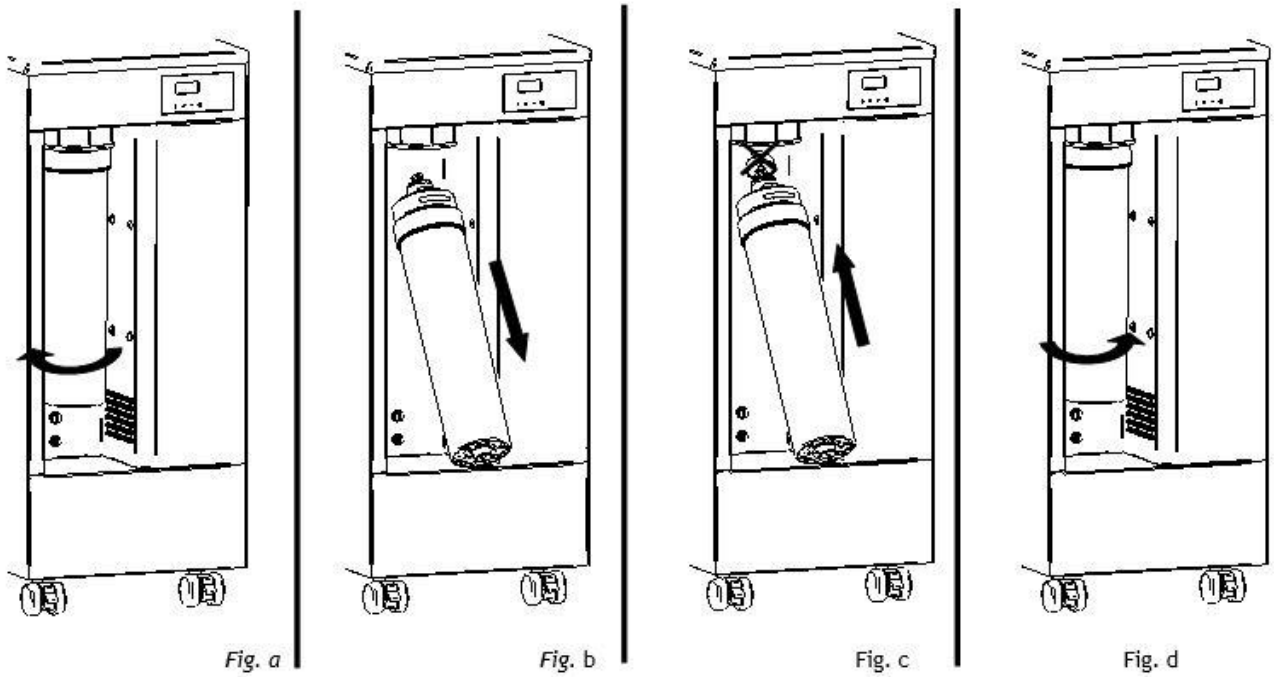


Fig. a *Fig. b* Fig. c Fig. d

WARNING

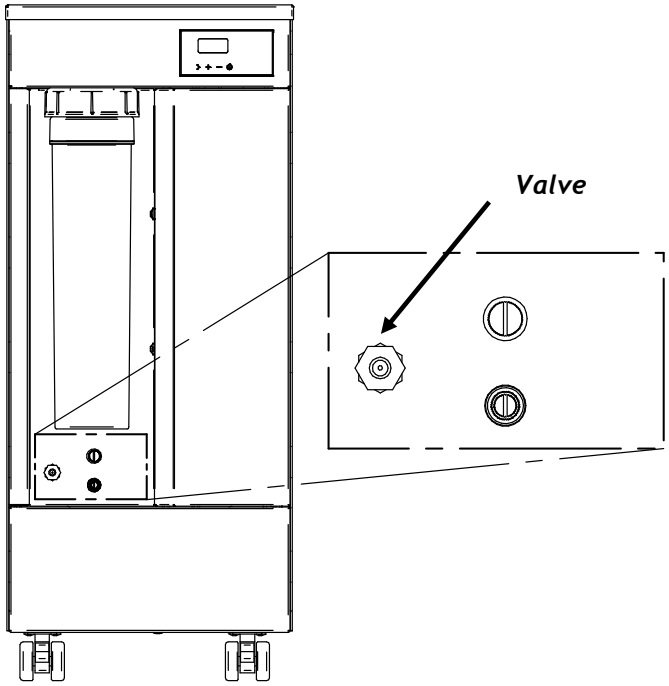
THE EXHAUSTED FILTER CARTRIDGE IS QUALIFIED AS SOLID WASTE NOT DANGEROUS AND MUST BE DISPOSED IN ACCORDANCE WITH THE DECISION ***2000/532/CE (CODICE CER 15 02 03).***

6.3 PRECHARGE OF EXPANSION TANK

For the precharge of expansion tank follow these steps:

Turn off the system by pressing the button. Remove the power plug.
Empty the expansion tank completely, supplying water.
With a manometer, check that the indicated pressure is **≥0.25 MPa**.
If necessary, restore it with a compressor or a manual pump: proceed at intervals never exceeding 0.2 MPa!
During the reactivation, which must take place with the tap open, there may be a water leakage.
Close the machine by performing the reverse procedure.

Switch on the system by pressing the which will be ready for use after 5 minutes.



6.4 MACHINE SANITATION

WARNING

Run the machine sanitation before each filter change, and in any case at intervals not exceeding 6 months.
Run also sanitizes after prolonged disuse of the machine and at the first starting.
All sanitation operations must be performed by qualified personnel.

Use extreme caution in the use and dosage of chemicals.

Use protective clothing to the skin, hands and eyes as shown in the safety data sheet of chemicals used.
Use sanification cartridge with CODE 973410954. In the case of multiple pretreatment, many cartridges are required.

PROCEDURE:

- Switch off the system pressing button.
- Open the conditioning valve and remove the cartridge(s) mounted.
- In the sanification cartridge, add hydrogen peroxide until it reaches one 0.2% by weight concentration:
  dose 200 ml of hydrogen peroxide at 10 volumes per 10 liters of osmotic water or
  dose 100 ml of hydrogen peroxide at 24 volumes per 10 liters of osmotic water
- Insert the sanitizing cartridge(s) and close the conditioning valve.
- Turn on the system pressing the button and leave it running for about 30 seconds.
- Turn off the system pressing the and wait for at least 20 minutes to allow the solution biocide action.

NOTE: if it was carried out for set-aside, the system can be disconnected electrically and hydraulically immediately without waiting for 20 minutes taking care to close the drain and permeated.

- Open the conditioning valve and remove the sanitizing cartridge(s).
- Insert the original cartridge(s) and open the water inlet valve.
- Run water for 5 minutes. Then close the conditioning valve.
- Turn on the system pressing the button and run water for 5min.

The machine is ready to be used.

6.4.1 Set-aside

Hydraulically disconnect the system and keep it protected from frost or excessive heat, every 6 months of rest should be repeated a new disinfection cycle.

7 TROUBLESHOOTING

Before proceeding with the listed checks in the presence of functional anomalies, carry out these checks:

- Check that the tap is open;
- Check that the mains pressure is within the specified limits (see §2.5);
- Check that the power supply is efficient;
- Check that the circuit breaker is in the ON position;
- Check that the flexible connections are not crushed or bent.

The checks marked with * can be performed by the user adequately informed and referring to the various sections of this manual.

The checks marked with  must only be carried out by qualified personnel.

Problem:	The display does not turn on.	
Cause	**Solution**	
No electricity supply	Make sure the plug is inserted and there is electricity supply.	*
Circuit breaker disactivated	Check if ON (if it disactivates itself again do not insist but call the assistance).	*
Display cable disconnected	Check the flat connection cable of the display to the board, fasten it properly.	
Defective display	Replace the display.	
Defective board	Replace the board.	

Problem:	Intervention of the fuse and protection circuit breaker.	
Cause	**Solution**	
Motor shorting out	Replace the motor and the protection fuses.	
Wrong wiring	Check the state, isolation and tightness of the wiring.	
Leakage	Check the state, isolation and tightness of the wiring; check the status and functioning of the electronic board.	

Problem:	Intervention of the protection differential switch (circuit breaker)	
Cause	**Solution**	
Intervention of circuit breaker	Re-activate (if it disactivates itself again do not insist but call the assistance).	*
Defective motor	Replace motor.	
Wrong wiring	Check the state, isolation and tightness of the wiring.	

Problem:	The display shows “Alarm Leakage.”	
Cause	**Solution**	
Leakage	Open the machine and check for leaks in the hydraulic circuit.	
Anti-flooding probe short circuit	Check the position of the probe, if directly in contact with the steel tray, move it or deoxidize it with a paper towel soaked in alcohol.	

Problem:	With the display on and functioning, after opening water, the motor doesn't start.	
Cause	**Solution**	
Maximum pressure switch	Check operation and calibration.	
Pump	Check pump conditions, if necessary replace it.	
Burned Motor	Replace the motor	
Capacitor	Replace it	

Problem:	With the display on and functioning, after opening the water the motor starts but does not supply water.	
Cause	**Solution**	
Low pressure alarm	Check inlet tap; check inlet pressure.	*
Clogged pre-filter(s)	Replace prefilter(s).	*
Solenoid valve faulty	Replace the solenoid valve.	
Burnt coil	Replace the coil.	
Wrong wiring	Check the wiring and fastening of cable that goes to terminals.	

Problem:	The machine produces little water.	
Cause	**Solution**	
Clogged solenoid valve	Check the input solenoid valve status and operation, if it is clogged, replace it.	
Clogged filter	Replace the filter.	*
Clogged membrane	Replace the membrane.	
Low pressure	Verify correct operating pressure	

It is advisable to install a pressure gauge on the way to the pump, to check the operating pressure.

Problem:	With the tap closed, the machine does not stop or runs intermittently	
Cause	**Solution**	
Pump pressure switch faulty.	Check the status and functioning of the pressure switch.	
Non-return valve	Check permeate block and non-return valve function.	

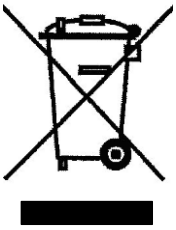
Problem:	With the tap open, the machine works intermittently, in fits and starts.	
Cause	**Solution**	
High pressure switch set at too low a pressure.	Perform the pressure switch calibration.	

8 DISPOSAL

The packaging must be disposed of according to the relative waste code of the material. Paper and cardboard (CER 15 01 01), plastic (CER 15 01 02), wood (CER 15 01 03).

Exhausted filters and osmotic membranes must be disposed of as non-dangerous solid waste (CER 15 02 03 or 16 02 16) if intended as a replacement, subject to periodic replacement ; carbon filters, if disposed of by companies rather than by users, must be disposed of as exhausted activated carbon (CER 19 09 04).

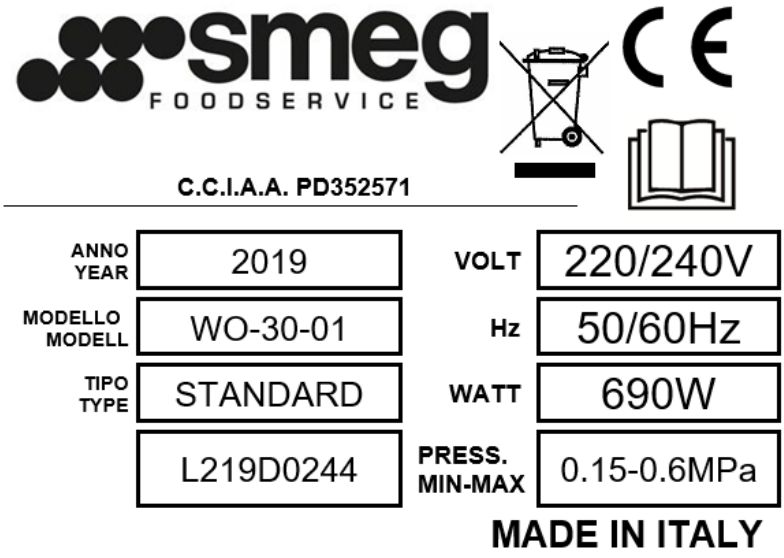
At the end of its life, the equipment must be delivered to an WEEE waste center (CER 20 01 36).



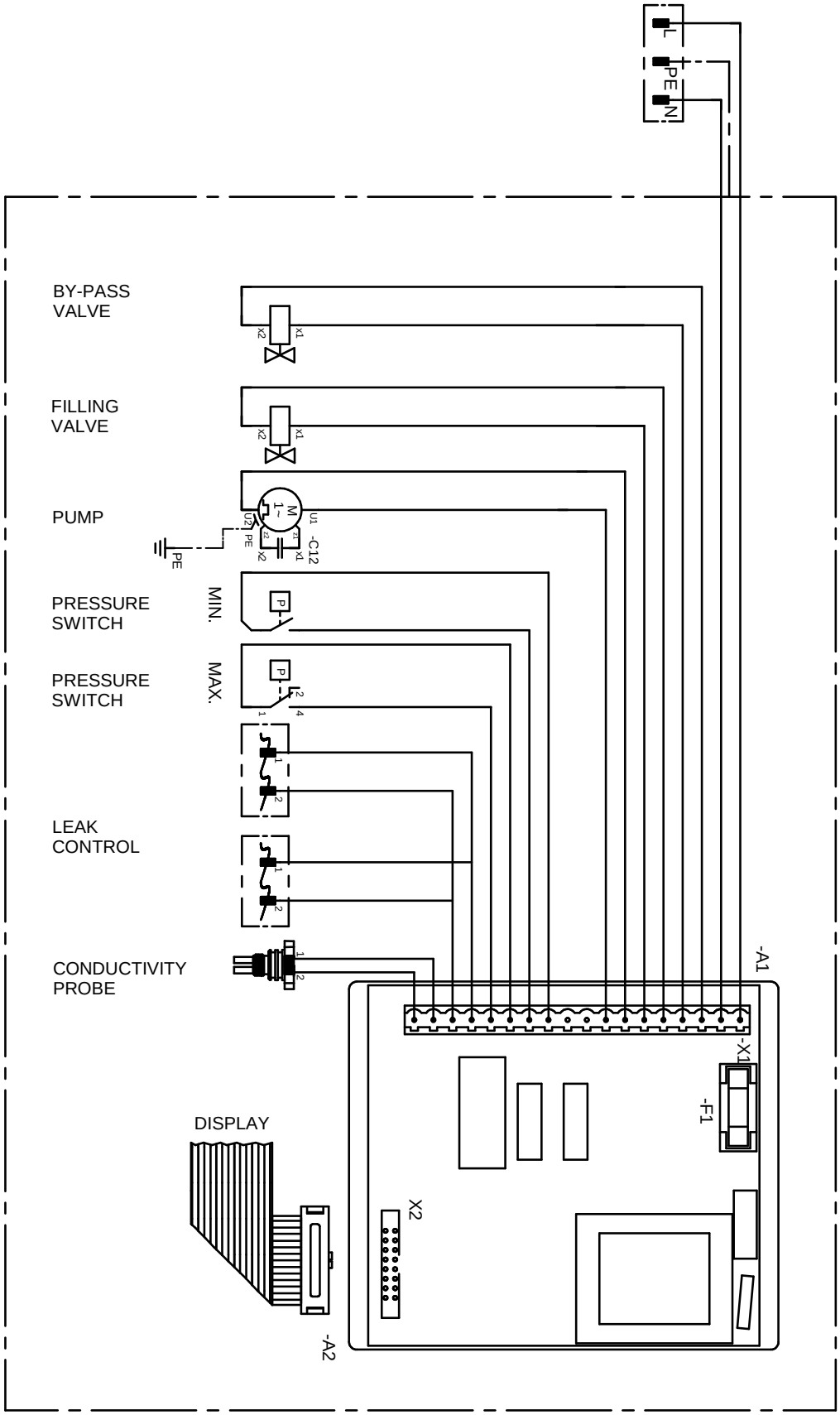
WASTE OF ELECTRICAL / ELECTRONIC EQUIPMENT

(UK) EU directive 2002/96/EC classifies this product as an electrical or electronic tool. Do Not dispose of this tool as unsorted municipal waste.
Dispose of this tool at a collection or recycling centre according to local and national law.
The consumer has an important role in reducing the disposal of waste by returning waste electronic/electrical tool for recycling. Recycling avoids the dispersion of hazardous materials into the municipal waste stream.
The crossed-out bin symbol reminds the user not to dispose of this product as unsorted municipal waste.

ANNEX I – EU LABEL



ANNEX II - CONNECTIONS OF THE ELECTRONIC BOARD



ANNEX III – MAINTENANCE LOG

INSTALLATION		
TECHNICIAN	DATE	SIGNATURE
ORDINARY MAINTENANCE		
TECHNICIAN	DATE	SIGNATURE