

AURELIA WAVE DIGIT - T³

 SERVICE MANUAL



IN+PLUS

AUTORYZOWANY DYSTRYBUTOR
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ALARMS AND CONTROL OF THE EMERGENCIES

MAINTENANCE CHECKING

TROUBLESHOOTING

DIAGRAMS

SPARE PART CATALOGUE

MACHINE DESCRIPTION

**FIRST INSTALLATION
AND PRELIMINARY OPERATIONS**

REMOVAL OF THE EXTERNAL SURFACE

INFUSION UNIT

COFFEE HEATERS (T3 VERSION)

COFFEE HEATER

HYDRAULIC CIRCUIT

ELECTRIC COMPONENTS

PROGRAMMATION

OPTIONAL CONFIGURATION

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1. MACHINE DESCRIPTION

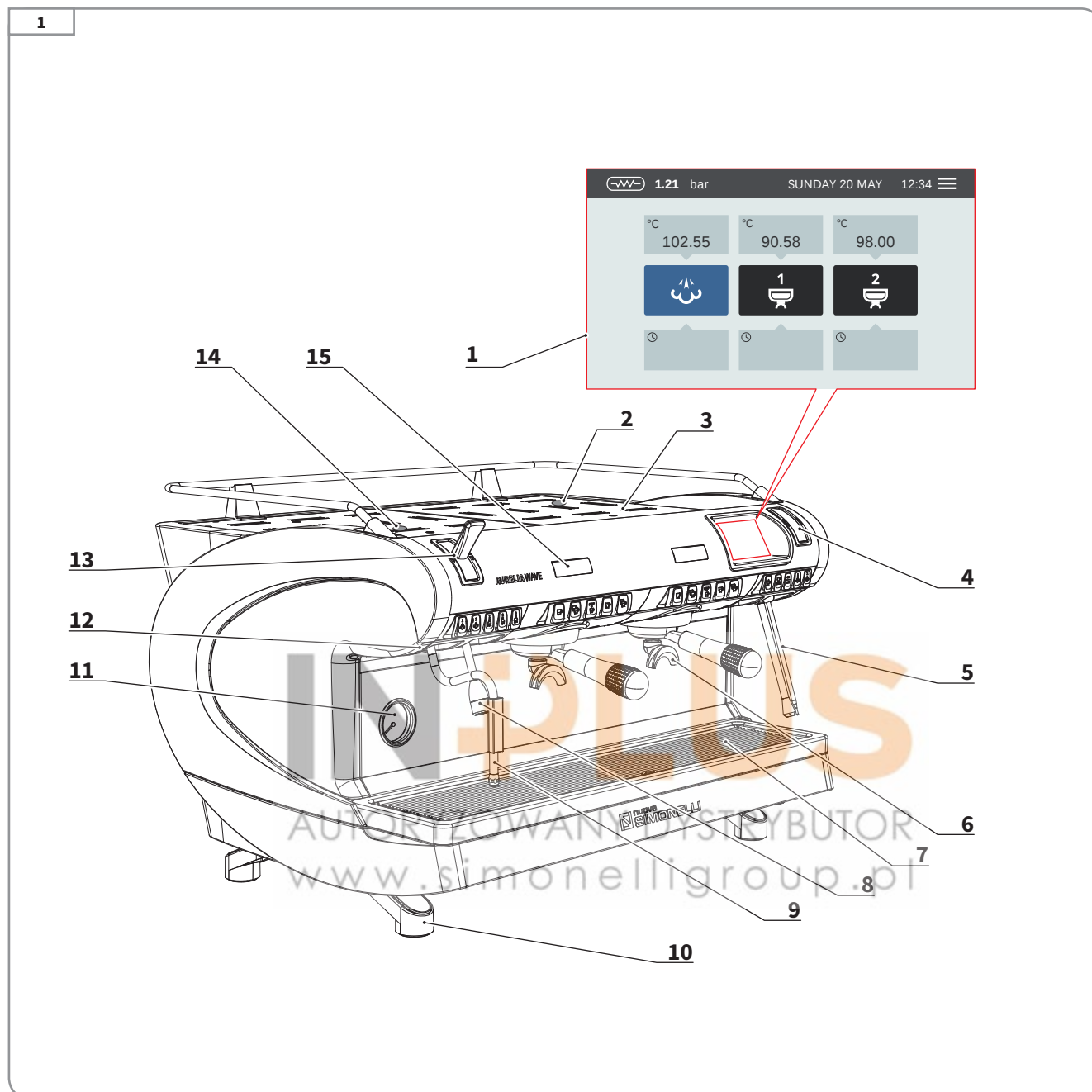
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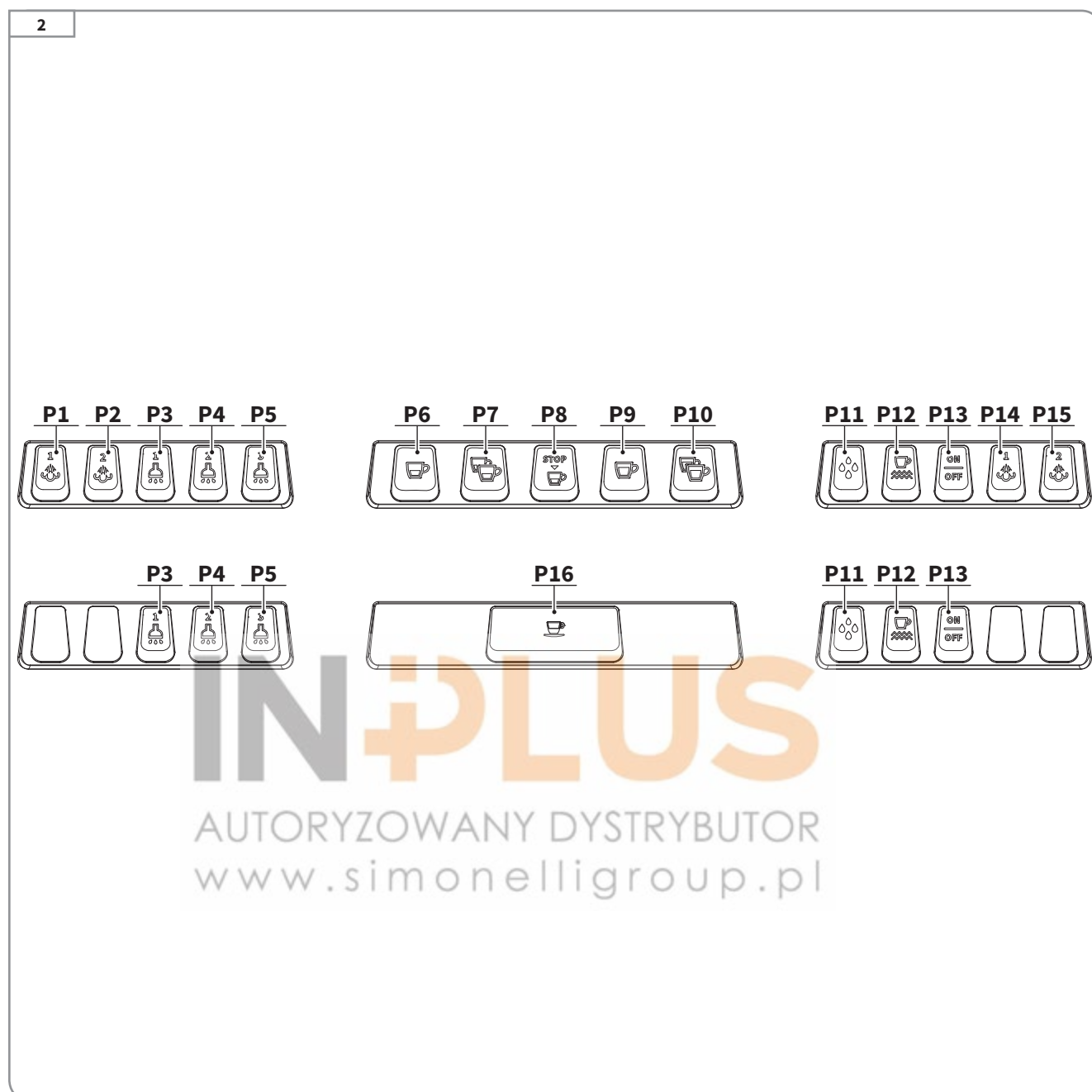
1.1 MACHINE GENERAL DESCRIPTION



- | | |
|-----------------------------|------------------------|
| 1 Touch screen display | 9 Steam wand |
| 2 Easycream regulator (opt) | 10 Machine feet |
| 3 Cup warmer | 11 Pressure gauge |
| 4 Easycream display (opt) | 12 External led |
| 5 Easycream wand (opt) | 13 Steam lever |
| 6 Dispensing group | 14 Hot water regulator |
| 7 Grid | 15 Group display |
| 8 Hot water wand | |

For each delivery group, there is a display that displays the delivery time. If the Easycream system (optional) is present, each steam wand is provided with the relevant display and regulator.

1.2 KEYBOARD DESCRIPTION



P1 Steam 1
P2 Steam 2
P3 Hot water 1
P4 Hot water 2
P5 Hot water 3
P6 1 short coffee
P7 2 short coffees
P8 Continuously coffee

P9 1 long coffee
P10 2 long coffees
P11 Washing
P12 Cup warmer ON/OFF
P13 Machine ON/OFF
P14 Steam 1(T3-DIGIT-V)
P15 Steam 2(T3-DIGIT-V)
P16 Coffee START/STOP

1.3 SAFETY REGULATIONS

Read this book carefully. It provides important information concerning safety of installation, use and maintenance. Save it carefully for future reference.

All illustrations contained in this manual are meant for information purposes only.

Your machine may differ slightly from the one shown here.

Simonelli Group reserves the right to make changes to production and to the manual without any obligation to update previous production and manuals accordingly.

After unpacking, make sure the appliance is complete. In case of doubts, do not use the appliance, but contact a qualified technician. Packaging items which are potentially dangerous (plastic bags, polystyrene foam, nails, etc.) must be kept out of children's reach and must not be disposed of in the environment.



The machine can be installed in staff kitchen areas in shops, offices and other working environments, farm houses by clients in hotels, motels and other residential type environments bed and breakfast type environments.

Before turning on the unit make certain that the rating indicated on the label matches the available power supply. The nameplate can be seen inside the machine when removing the water collection tray. The machine must be installed according to the applicable federal, state and local standards (codes) in force with regard to plumbing systems including back-flow prevention devices. For this reason, the plumbing connections must be carried out by a qualified technician. The warranty expires if the characteristics of the power supply do not correspond to the nameplate data.

The appliance must be installed according to the applicable federal/national/local standards (codes) concerning the hydraulic systems including back-flow devices. Owing to the above, the hydraulic connections must be carried out by a skilled technician. The warranty will be rendered null and void in case the features of the power supply do not match the plate data.

In case of installation in kitchens, connect the equipotential conductor to the terminal on the machine indicated by the symbol .

[symbol IEC 60417 - 5021

(2002-10)] equipotentiality

The manufacturer is not held responsible for possible damage caused by failure in earthing the plant. For the electrical safety of the appliance, it is necessary to equip the system with the proper grounding. This must be carried out by a qualified electrician who must ensure that the electric power of the system is sufficient to absorb the maximum power input stated on the plate.



The electrician with the apposite qualification certificate must make sure that the section of the system cables is suitable to the power absorbed by the machine.

The use of adapters, multiple sockets or extensions is strictly forbidden. If they prove necessary, call a fully qualified electrician.

For appliances powered at 220-230V, the maximum impedance from the mains must be below 0.370hm.

When installing the device, it is necessary to use the parts and materials supplied with the device itself.

Should it be necessary to use other parts, the installation engineer needs to check their suitability for use in contact with water for human consumption.

The machine must be installed in compliance with the local health standards in force for Hygiene and water safety environmental protection. Therefore, contact an authorized service man.

For connecting the waterline, always use a new pipe supplied, Do not use old pipes.

The device needs to be supplied with water that is suitable for human consumption and compliant with the regulations in force in the place of installation. The installation engineer needs confirmation from the owner/manager of the system that the water complies with the requirements and standards stated above.

This appliance must only be used as described in this handbook. The manufacturer shall not be liable for any damage caused due to improper, incorrect and unreasonable use.

This appliance is not suitable for use by children or persons with reduced physical, sensory or mental capabilities, or by persons with a lack of experience or knowledge, unless supervised or given instructions.

Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

The machine shall be installed only in rooms, in which the use and the maintenance are restricted to skilled staff.

The appliance shall not be installed where water jets can be used.

The operating temperature must be within the range of $[+5, +30]^{\circ}\text{C}$.

At the end of installation, the device is switched on and taken to rated operating conditions, leaving it in a state in which it is "ready for operation".

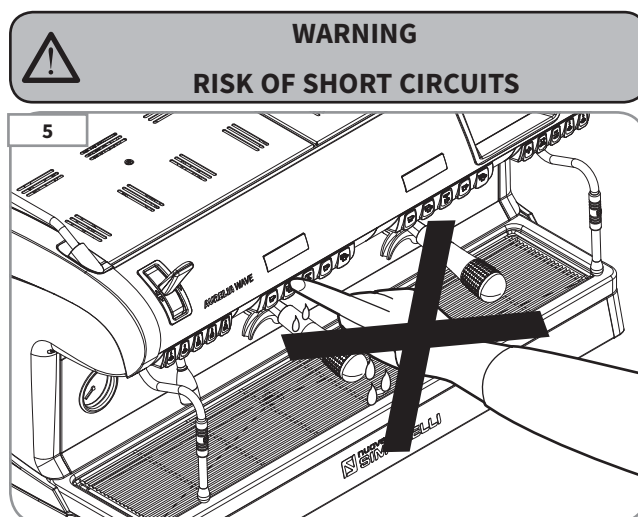
After reaching the "ready for operation" condition, the following dispensing operations are carried out:

- 100% of the coffee circuit through the coffee dispenser (for more than one dispenser, this is divided equally);
- Opening of each steam outlet for 1 minute.

At the end of installation, it is good practice to draw up a report of the operations.

Basic rules must be observed when using any electric appliance. Never:

- Touch the machine with wet hands or feet;
- Use the machine barefoot;



- Use extensions in places used as bath or shower;
- Pull the supply cable to disconnect the machine from the power mains;
- Leave the machine exposed to atmospheric agents (rain, sun, etc.);
- Allow the machine to be used by children or by non-authorized personnel that haven't read and understood this manual.

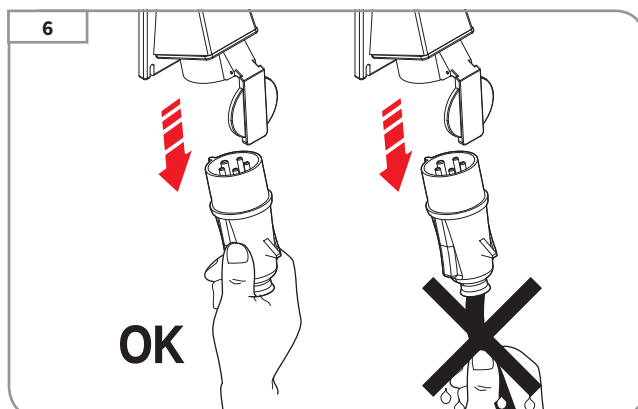
It is forbidden to leave the machine switched on without the presence and surveillance of a qualified operator. Simonelli Group is not responsible for damages caused by failure to comply with this prohibition.

During installation, the mains power system needs to be equipped with a disconnect switch to cut off each phase.

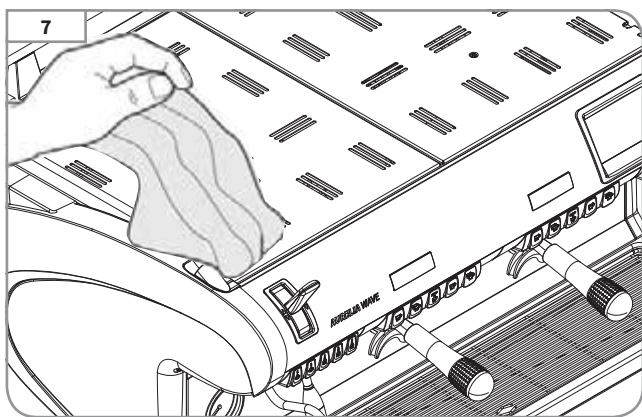
In case of fire, disconnect power to the machine by turning off the main switch. Its absolutely avoid to extinguish the fire with water while power to the machine is on.

Should it be necessary to replace the power cord, this replacement operation must only be performed by an authorized service centre or by the manufacturer.

Before servicing the appliance, the authorised technician must switch off the appliance and unplug it first.



For all cleaning operations, comply exclusively with the instructions given in this booklet manual.



In case of breakdown or wrong functioning of the machine, switch it off. Any intervention is strictly forbidden. Contact qualified experts only.

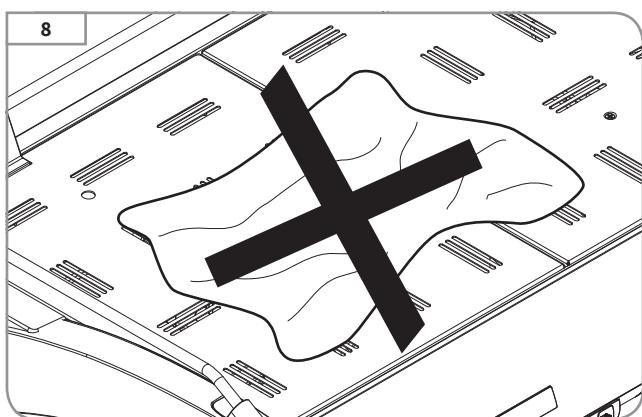
Repairs should only be made by the manufacturer or authorized service centres. Use only original spare parts.

Non-compliance with the above stated can compromise the safety of the machine.

During installation, the licensed electrician shall provide an omni-polar switch as per the applicable safety standard with opening distance of the contacts, which allows the complete disconnection in the conditions in the overvoltage category III. For Australia, the above must be done according to the AS/NZS 3000 installation standard.

To avoid dangerous overheating, make sure the supply cord is fully uncoiled.

Do not obstruct the extraction and/or dissipator grids, especially of the cup warmer.



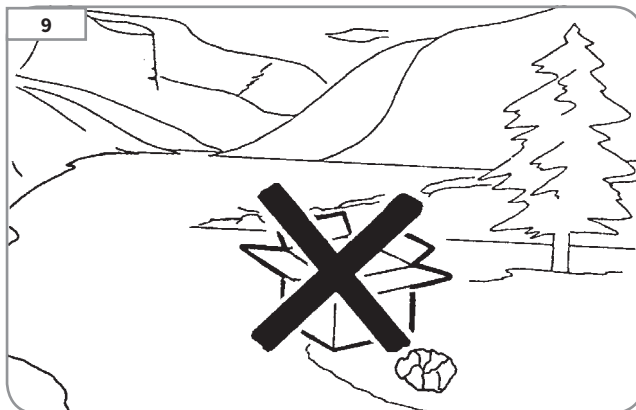
To support the aeration of the machine, place it with a distance of 100 mm from the walls or from other machines on the aeration side.

Single-phase appliances with current above 15 A and three-phase appliances sold without plugs are directly wired to the mains power and therefore, it is not possible to use a plug.



CAUTION
RISK OF POLLUTION

Do not dispose of the machine in the environment; for the disposal, contact an authorized service centre or contact the manufacturer for indications.

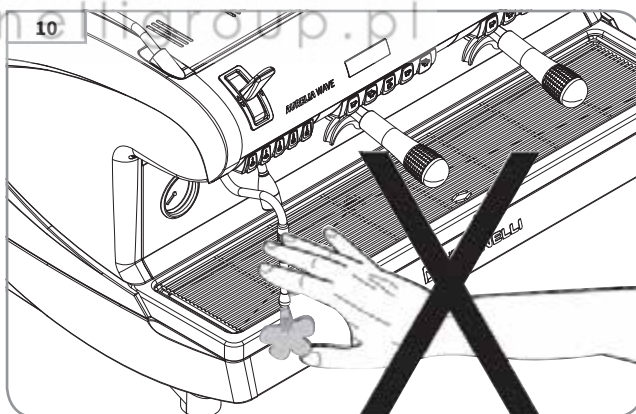


Should you decide to stop using this type of unit, we suggest you render it inoperable by unplugging it and cutting the power supply cord.

Use the steam nozzle with care and never place hands below the jet of steam. Do not touch the nozzle immediately after use.



WARNING
RISK OF BURNS OR SCALDING



WARNING
RISK OF BURNS OR SCALDING

We remind you that before carrying out any installation, maintenance, unloading or adjustment operations, the qualified operator must put on work gloves and protective footwear.

When the machine is left unattended for a long period, close the water inlet cap.



RISK OF POLLUTION

After washing is started, do not stop it to prevent detergent residues from remaining into the delivery unit.

The maximum noise disturbance level is lower than 70db.

If the pipe connecting to the mains water is replaced the old pipe must never be re-used.

In case of machine with water connection to the line, the minimum pressure must be 2 bar and the max. pressure for the proper operation of the machine must not exceed 4 bar.



WARNING

INFORMATION TO THE USERS



Under the senses of the Directives/Guidelines 2011/65/EU concerning the reduction of the use of dangerous substances in electric and electronic equipment, as well as the disposal of wastes“.

The symbol of the crossed large rubbish container that is present on the machine points out that the product at the end of its life cycle must be collected separately from the other wastes. The user for this reason will have to give the equipment that got to its life cycle to the suitable separate waste collection centres of electronic and electrotechnical wastes, or to give it back to the seller or dealer when buying a new equipment of equivalent type, in terms of one to one. The suitable separate waste collection for the following sending of the disused equipment to recycling, the dealing or handling and compatible environment disposal contributes to avoid possible negative effects on the environment and on the people's health and helps the recycling of the materials the machine is composed of. The user's illegal disposal of the product implies the application of administrative fines as stated in Law Decree n. 22/1997” (article 50 and followings of the Law Decree n. 22/1997).

1.4 PREPARATION BY THE PURCHASER

Preparation of the installation site.

The purchaser must prepare the surface on which the machine will stand suitable to support the machine weight (see the installation chapter).

Electrical requirements.

The mains power installation must comply with the safely regulations and standards in force in the country of installation and must include an efficient earth system. An omnipolar cut-off device must be installed on the power line upstream of the machine.

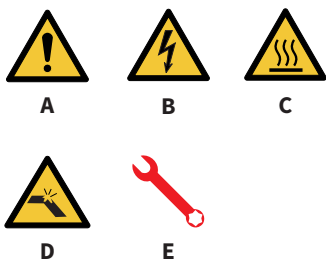


The power wires must be sized according to the maximum current required by the machine to ensure a total voltage loss under full load of less than 2%.

Plumbing requirements.

Prepare a suitable drain and a mains that supply water a maximum hardness of 3/5 French degrees (60/85 ppm).

1.5 SYMBOLS



- A General hazard
- B Electrical shock hazard
- C Burns hazard
- D Hazard of damage to the machine
- E Operation reserved for the qualified technician, in compliance with current standards

1.6 RESIDUAL RISKS

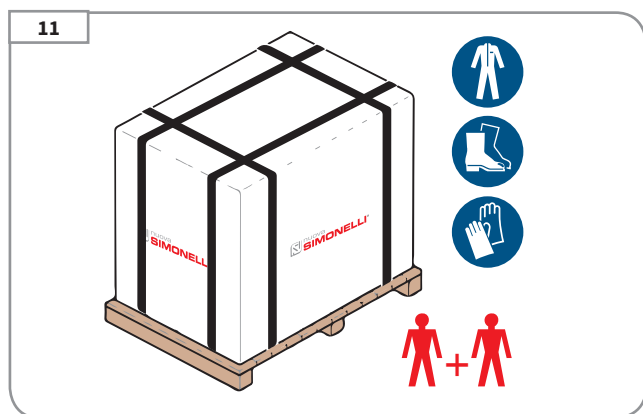
Although the manufacturer has provided mechanical and electrical safety systems, dangerous areas persist during the use of the machine:



- Coffee dispensing groups.
- Steam wand.
- Hot water wand.
- Cup warmer.

1.7 MACHINE RECEIVING

TRANSPORT



The machine is transported on pallets containing several machines inside cartons strapped to the pallet.

Operators performing any shipping or handling operations must wear gloves, safety shoes and overalls with elasticized cuffs.

The machine must be moved by 2 or more operators.

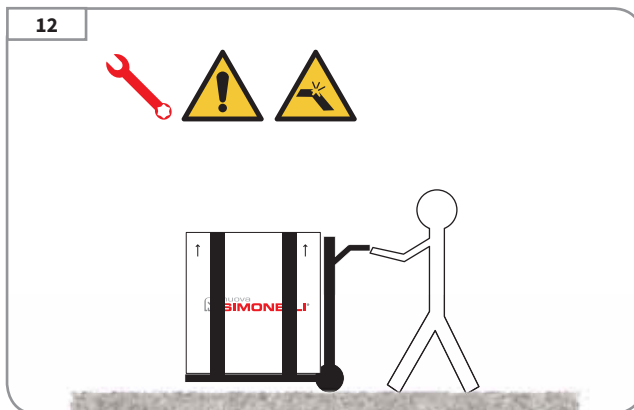


Failure to respect current safety regulations and standards on lifting and handling materials absolves the Manufacturer from all liability for possible damage to person or things.



During the entire handling operation, the operator must make sure no one or nothing is inside the operating area.

MOVEMENTS

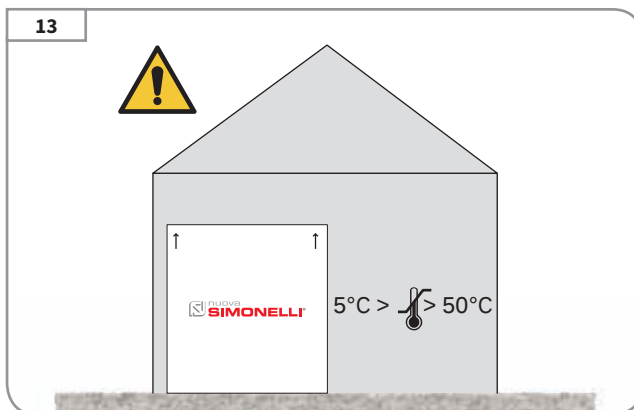


Slowly lift the pallet about 30 cm from the ground and reach the loading area.

After checking that there are no obstacles, things or people, proceed with the loading.

Once you arrive at your destination, always with a suitable lifting device (e.g. forklift), after making sure that there are no things or people in the unloading area, take the pallet to the ground and move it about 30 cm from the ground, until to the storage area.

STORAGE

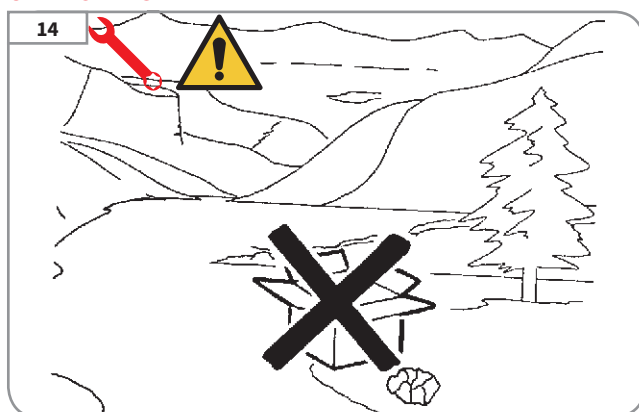


The package containing the machine must be stored away from atmospheric agents.

Before performing the following operations, make certain that the load is in stable and will not fall when the straps are cut.

Wearing gloves and safety shoes, the operator must cut the straps and store the product. During this operation, see the product technical features for the weight of the machine being stored and proceed as necessary.

UNPACKING



Once the machine has been released from the pallet or container, do not pollute the environment with these items.

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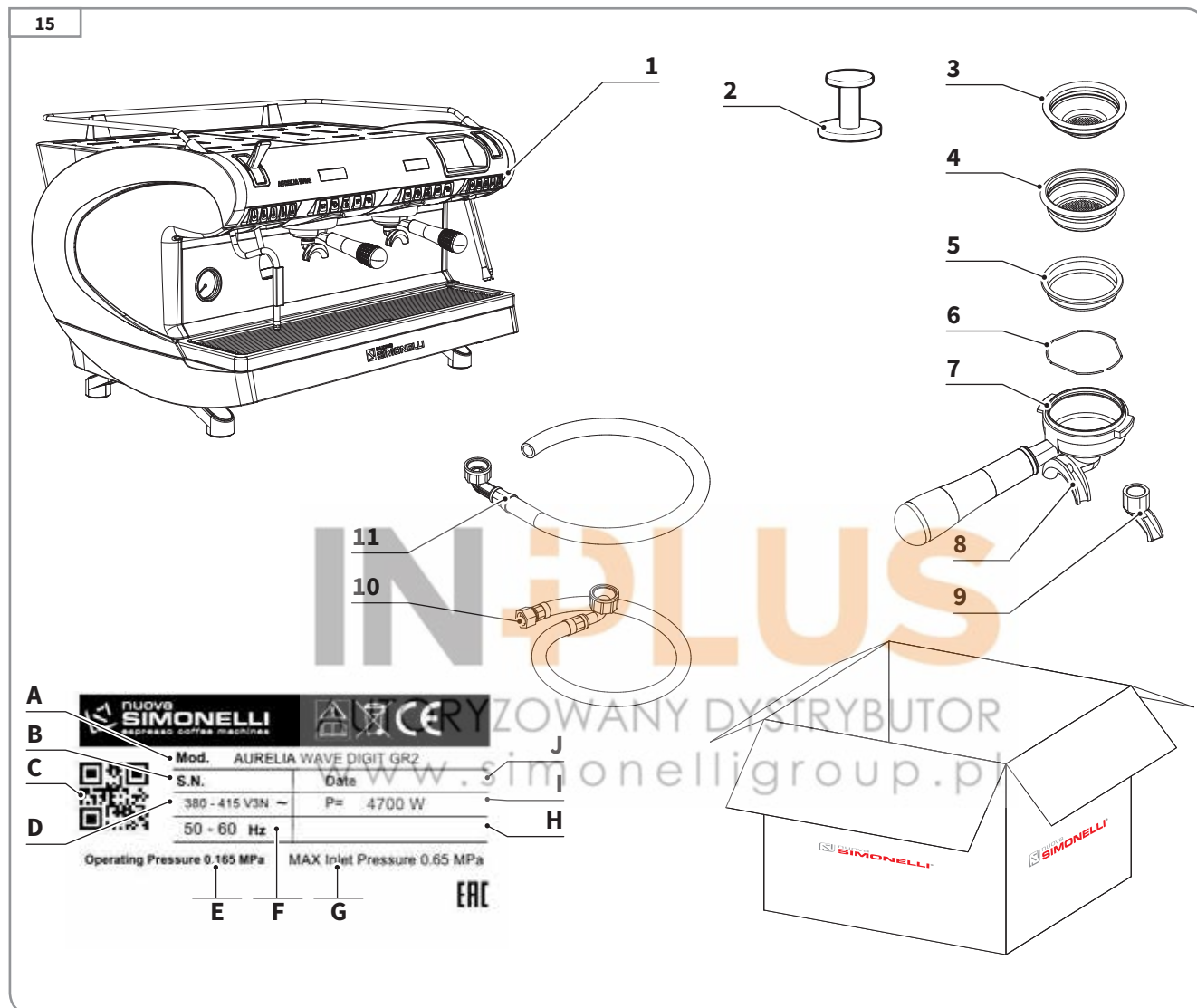
1.8 CONTENTS CHECK

Upon receipt of the box, check that the packaging is intact and visually undamaged. Inside the packaging must be the instruction manual and the relative kit.

In case of damage or faults, contact your local dealer.

For any communication, always communicate the serial number.

The communication must be carried out within 8 days from the receipt of the machine.



- | | |
|--|----------------------|
| 1 Machine (example image) | A Model and version |
| 2 Coffee tamper (1 unit) | B Serial number |
| 3 Single filter (1 unit.) | C QR code |
| 4 Double filter (1 for each group) | D Power supply |
| 5 Blind filter (1 for each group) | E Operating pressure |
| 6 Spring (1 for each group) | F Frequency |
| 7 Filter-holder (group number + 1) | G Max inlet pressure |
| 8 Double delivery spout (1 for each group) | H Optional |
| 9 Single delivery spout (1 for each group) | I Power |
| 10 Filling pipe 3/8" (1 unit) | J Production date |
| 11 Draining pipe 3/4" (1 unit) | |

The machine internet page can be accessed directly through the QR code.

Download and install one of the Apps to read QR codes on a mobile device.

Start the App and position the camera in front of the code so that it can be clearly seen.

Wait some time while the App processes the result and shows the internet page of the machine on the display.

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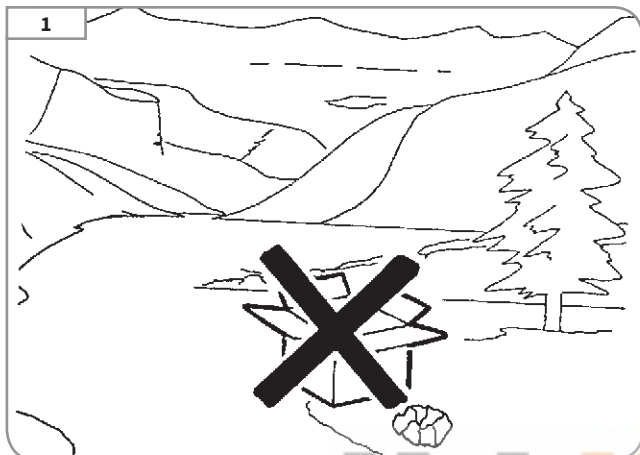
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RISK OF POLLUTION

DO NOT DISPOSE PACKAGING in the environment.

Prior to installation please carefully read the safety instructions in this manual. The company cannot be held responsible for damage to persons or property arising from non-compliance with safety regulations, either during installation or maintenance of the machine described in this manual.



WARNING

Place the machine in an area where all risks of malfunction can be avoided.



WARNING

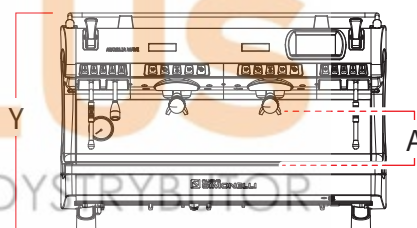
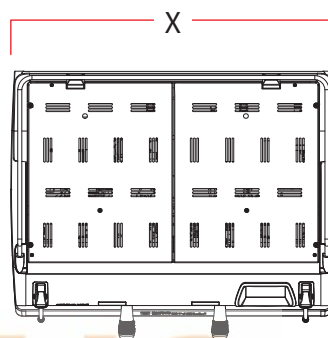
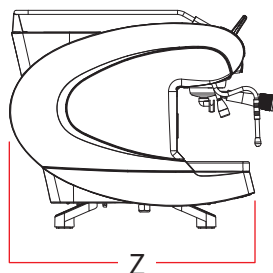
Never install in areas where the machine may be subject to jets of water.

2.1 FIRST INSTALLATION

2.1.1 WEIGHT AND DIMENSIONS

TECHNICAL CHARACTERISTICS

2

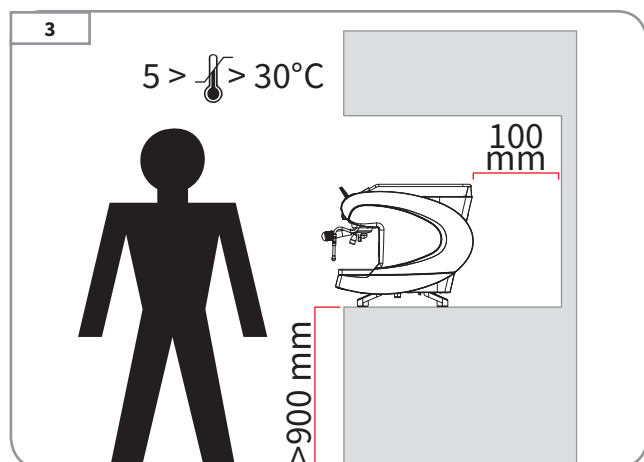


Version		DIGIT			T ³	
Groups		2	3	4	2	3
Voltage	V	230/380			230/380	
Power (with cup warmer)	W	5100	5900	6000	7000	8750
Power (without cup warmer)	W	4700	5400	5400	6600	8250
Coffee boiler capacity*	l	/			0,7	0,8
Steam boiler capacity	l	14	17	22	14	17
Net weight	kg/lb	78/172	92/203	108/238	80/176	95/209
Gross weight	kg	84/105	102/205	124/273	86/190	105/231
Noise level	dB	<70			<70	
Dimensions						
X	mm	802	1032	1262	802	1032
	inch	31 9/16"	40 10/16"	49 11/16"	31 9/16"	40 10/16"
Y	mm	537			537	
	inch	21 2/16"			21 2/16"	
Z	mm	605			605	
	inch	23 13/16"			23 13/16"	
A	mm	135 - 180			135 - 180	
	inch	5.3 - 7.1			5.3 - 7.1	

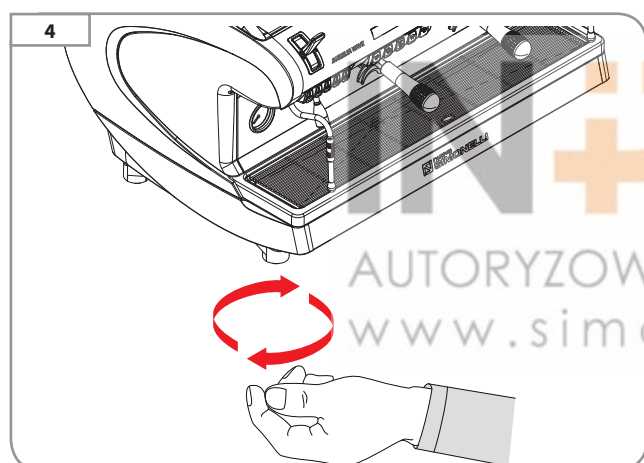
* capacity for each coffee boiler.

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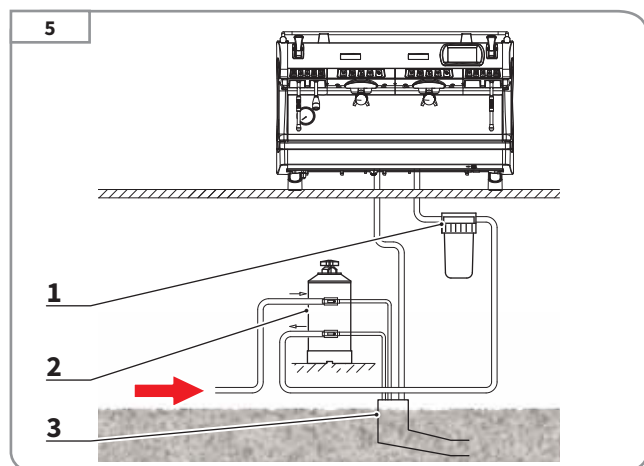
Once the packaging has been removed and the integrity of the machine and accessories have been checked, place the machine on a horizontal surface. Position the machine on a horizontal plane at least 900 mm high from the ground. Keep at least 100 mm around the machine for proper ventilation.



Ensure that it is correctly levelled.
Rotating the feet.



It is advisable to install a softener (1) and then a mesh filter (2) on the external part of the plumbing system, during preliminaries and after levelling the machine.



KEY

- 1 Softener
- 2 Mesh filter
- 3 Drain Ø50 mm



WARNING

Avoid throttling in the connecting pipes.
Assess that the drain pipe (3) is able to eliminate waste.

NOTE

For a correct functioning of the machine the water works pressure must not exceed 4 bars. Otherwise, install a pressure reducer upstream of the softener; the internal diameter of water entrance pipe must not be less than 6 mm (3/8").

2.1.2 WATER SPECIFICATIONS

Monitoring of water recipe to keep it within required levels and maintenance of filtration system is the user's responsibility. Failing to meet and maintain water at the following levels will void the entire warranty:

Total hardness	60 - 85 ppm
Waterline pressure	2-4 bar (cold water)
Minimum flow	200 l/hr
Chloride	Less than 1.0 micron
Alkalinity	10-150 ppm
Total dissolved salts (TDS)	50 -250 ppm
Chloride	<0.5 mg/L
pH	6.5- 8.5

2.1.3 ELECTRICITY SPECIFICATIONS



WARNING RISK OF SHORT CIRCUITS

The machine must always be protected by an automatic, omnipolar circuit breaker switch of adequate rating protection with an open distance between the contacts that permits the complete disconnection of the conditions regarding category III excess voltage surge.

Simonelli Group cannot be held liable for any damage to people or things due to non observance of the safety prescriptions.

Prior to connecting the machine to the electrical mains, assess that the voltage shown on the machine's data plate corresponds with that of the mains.

If it does not, carry out the connections on the basis of the available electrical line, as follows:

KEY

- 1** Black
- 2** Grey
- 3** Brown
- 4** Blue
- 5** Yellow-green

NOTE

At the beginning of the day's activities and in any case, if there are any pauses of more than 8 hours, then it is necessary to change 100% of the water in the circuits, using the relevant dispensers.

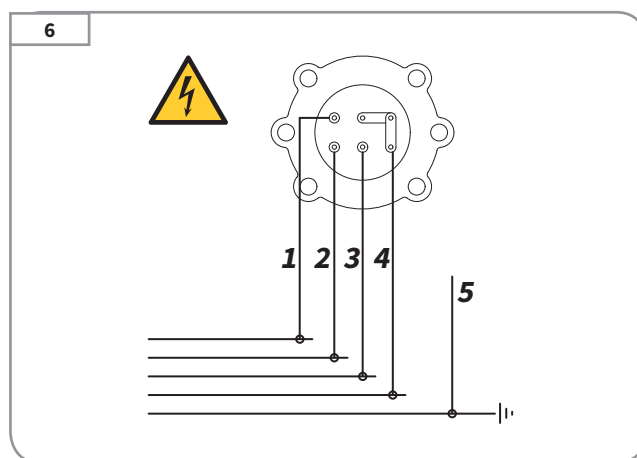
NOTE

In case of continuous services, carry out the above changes on a weekly basis.

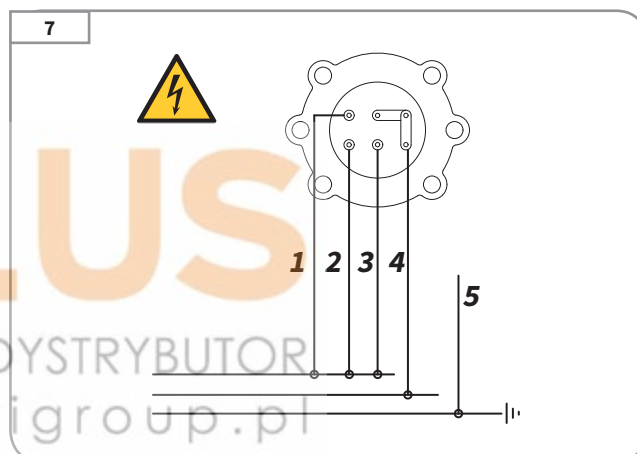
NOTE

In the event that the place of installation does not have the necessary total power output, the ECO WARMUP mode can be utilised. The ECO WARMUP mode permits a reduction of the power required during the initial heating phase. Utilising this mode, the various boilers are heated in sequential mode, rather than in parallel mode, thereby limiting the total consumption to approximately 5,500W, as opposed to a longer transitory time to arrive at operating heat.

- For voltage 380V / 3 phases + Neutral:



- For voltage 230V single-phase:



2.1.4 CONNECTION TO THE MAINS WATER SUPPLY

The machine is always supplied with a 1.5 meters long loading pipe and with a 3/8 inch connection.

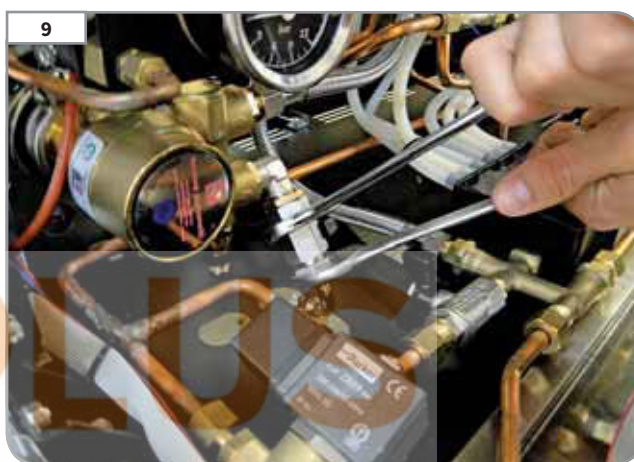
For the waterline, fitting is straight on one side and with an entrance at a 90° angle on the other side.

The pipe is provided with tapered fittings therefore it is not necessary to use Teflon tape on the fitting.

Check that the water input pressure is between 2 and 5 bar. If the pressure is more than 5 bar, insert a pressure reducer upstream to ensure a value between 2 and 5 bar.

To connect the machine to the waterline, proceed as follows:

- 1 Remove the front panel, as explained in Chapter 3.
- 2 Remove the tabs by pressing with fingers to allow the pipe to pass.



- 3 Connect the pipe from the water mains supply to the union.

Attach the supplied waste water pipe to the waste water system by manually screwing it to the union.



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2.1.5 PROCEDURE OF FIRST INSTALLATION

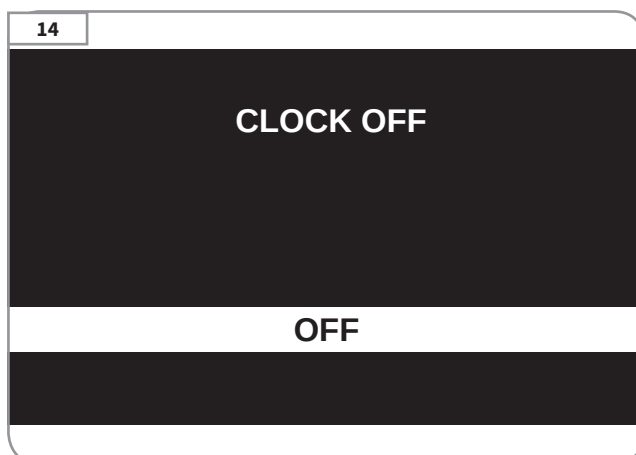
When first installing the machine or after maintenance on the heaters and units, switch ON the machine using the main switch positioned to the bottom on the right and proceed as follows:

- 1 If the message **“OFF – CLOCK OFF”** appears on the display proceed as follows in step 3.
- 2 If the display reads **“OFF”**, press the WASH key until the display reads **“OFF – CLOCK OFF”** and then proceed as described in step 3.



WARNING

INSERT A WATER COLLECTION PAN IN ORDER TO AVOID FLOODING THE MACHINE.



- 3 Turn on the machine by pressing the key and after it is turned on you will automatically hear the pump filling the steam heater to a level and water will come out from the groups for about 45 seconds in order to ensure that the coffee heater is properly filled. After 90 seconds, the message LEVEL ERROR appears until the motor protection starts to function. Furthermore, this system that protects the motor is also utilised to stop the pump from working if there is no water available (e.g., the upstream tap is closed). Switch off and switch on the machine to continue the flow of water to the boiler. Normally the two-unit machine requires this operation once only and the three-unit machine twice. It is important that the cycle finishes when the operator can see water gushing freely from all units of the machine and the pump motor has stopped pumping water into the boiler. When this occurs, it ensures that the boilers are effectively full. This cycle cannot and must not be interrupted.

NOTE: If this cycle is interrupted due to a power outage or if the machine is accidentally switched off from the main switch, the next time the machine is switched on, the cycle will be started again for approximately 45 seconds more. Similarly, if the cycle does not end with the outflow of water from all the heaters, it is reasonable to turn off the machine immediately and restart the procedure to check whether or not there are problems filling the heaters.



WARNING

If the heaters are not completely filled with water this could cause damage to the coffee heaters.



2.1.6 ADJUSTMENT OF THE PRESSURE

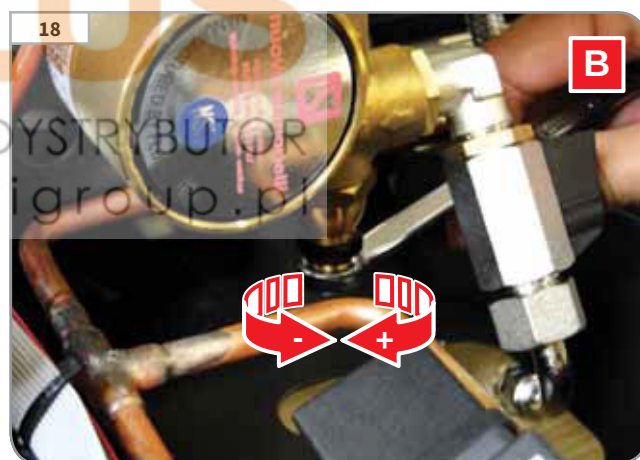
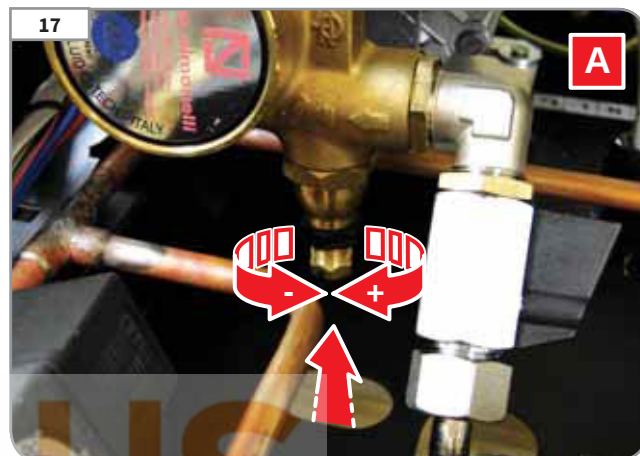
The pressure of the machine must be set while the coffee is brewing.

While coffee is delivered, check that the value of the gauge reaches 9 bar, the optimum value.

To adjust the pressure:

- A** Utilize the flat-blade screwdriver to turn the adjustment screw.
- B** If the front panel is removed (refer to chapter 3), turn the adjustment screw using a 14 mm hexagonal spanner.

Turn the screw in a clockwise direction to reduce the pressure.



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2.1.7 HOT WATER ECONOMISER ADJUSTMENT



NOTE

This operation can be carried out while the machine is turned on.

The hot water mixer serves to adjust the temperature of the water leaving the wand and to optimise system performance.

To set the hot water economy device, use a screwdriver on the screw in the top part of the machine, as shown in the figure.

Turn it **CLOCKWISE / ANTICLOCKWISE** to **REDUCE / INCREASE** the temperature of hot water.

2.2 PROGRAMMING BEFORE INSTALLATION

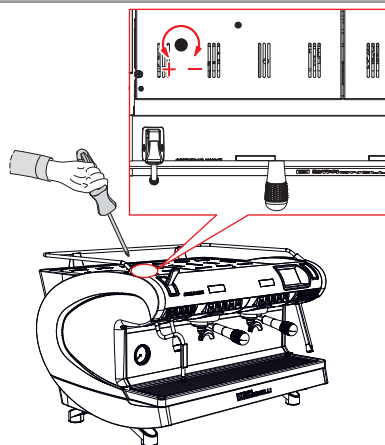
Using the touch screen panel you can move inside the interface. Press to enable the selected function/icon. Programming also makes it possible to increased or reduce settings.

The preliminary operations to be carried out once the machine is installed and turned ON are as follows:

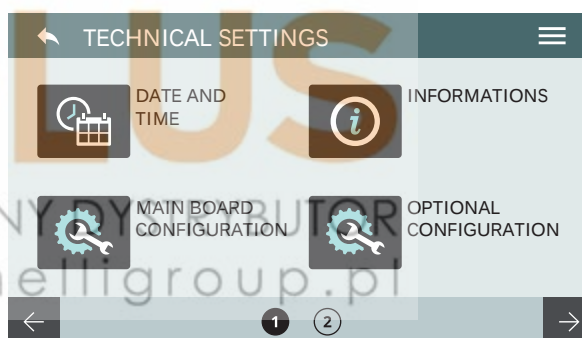
- Update the language, date and time.
- Set the doses (amount in CC) for dispensing.
- Set the pressure of the main boiler.
- Set the temperatures (version T3 only).

For more information about the touch screen operation, see the Chapter 9.

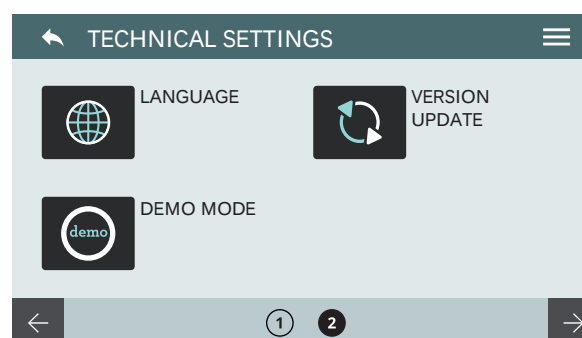
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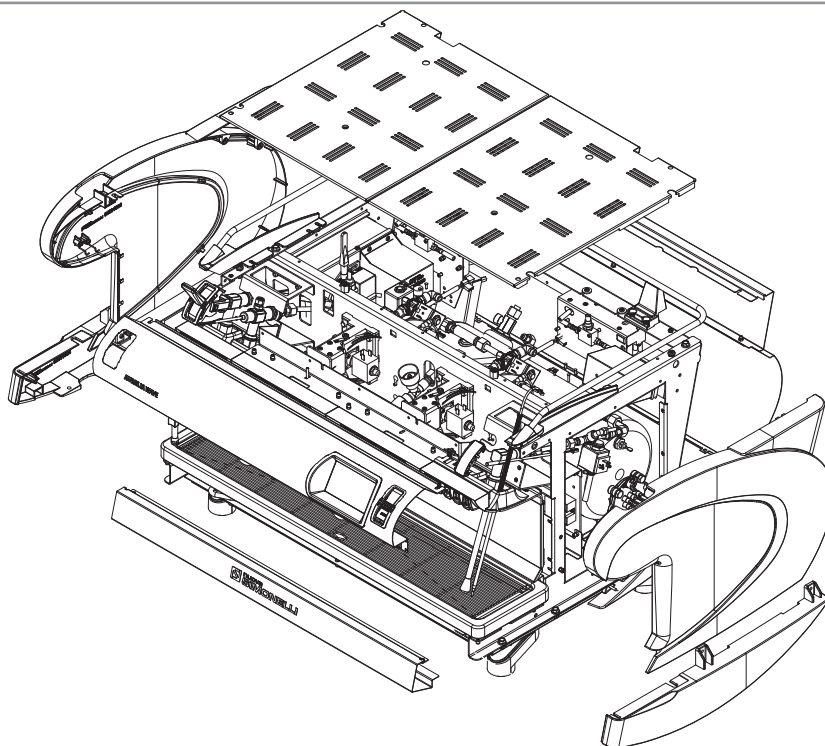


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3. REMOVAL OF THE EXTERNAL SURFACE

3



INDEX

- 3. REMOVAL OF THE EXTERNAL SURFACE. 3.1**
 - 3.1 REMOVAL OF THE CUP HOLDER SURFACE 3.2**
 - 3.2 REMOVAL OF PERIMETER PANELS..... 3.3**
 - 3.2.1 SIDE PANELS 3.3**
 - 3.2.2 REAR PANEL 3.4**
 - 3.3 REMOVAL OF THE FRONT PANEL 3.4**
 - 3.4 REMOVAL OF THE UNIT COVERS..... 3.6**
 - 3.5 REMOVAL OF THE STEAM WAND COVER.... 3.7**
 - 3.6 REMOVAL OF THE TOUCH SCREEN 3.7**

TOOLS NEEDED:



Use gloves to protect against sharp or hot surfaces that you can bump against involuntarily during operations.

NOTE

Before proceeding with the removal of the panels it is advisable to clean and free up enough space where the machine parts will rest so that they are not be unintentionally damaged.

DANGER

Before proceeding with the operations described in the chapter make sure that the machine is turned off and unplugged from the mains. Discharge any residual pressure present in the steam heater.

3.1 REMOVAL OF THE CUP HOLDER SURFACE

To remove the modular cup warming tray:

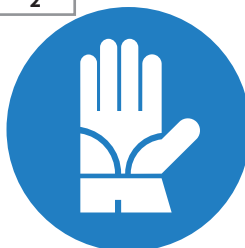
- 1 Utilising a Philips screwdriver, remove the screws of each module.
- 2 Disconnect the temperature sensor of the cup heating tray.

1



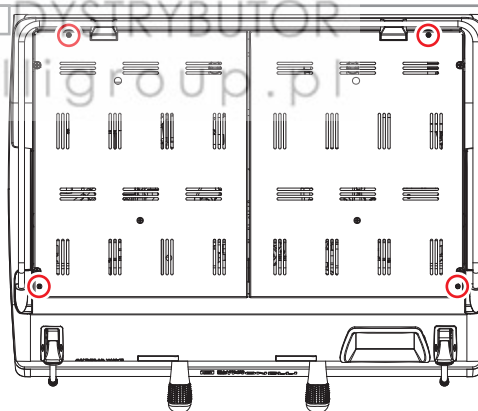
DANGER

2

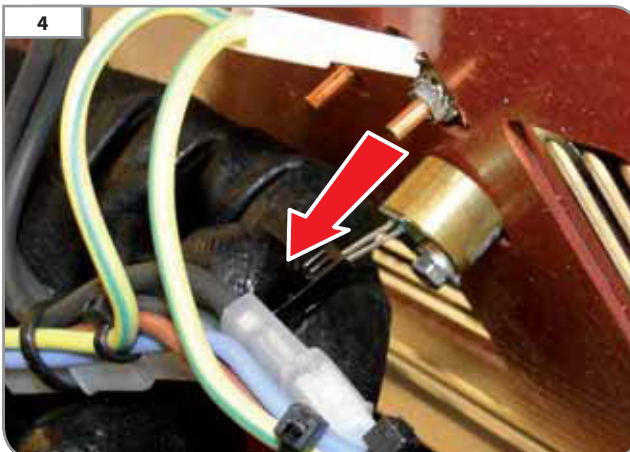


SURFACES
HOT AND
CUTTINGS

3



4



- 3 Disconnect the power of the cup warmer and remove the panels.

3.2 REMOVAL OF PERIMETER PANELS

The side panels can be removed independently by partially unscrewing the screws of each panel that are accessible without removing various parts.

3.2.1 SIDE PANELS

NOTE

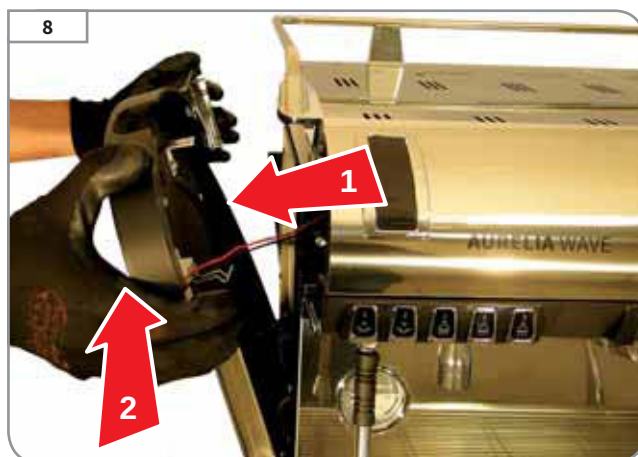
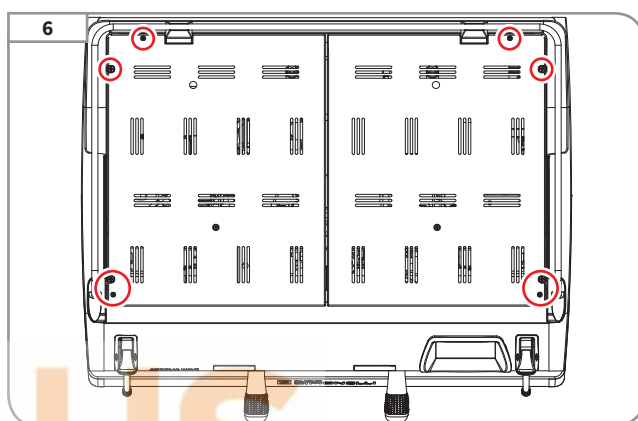
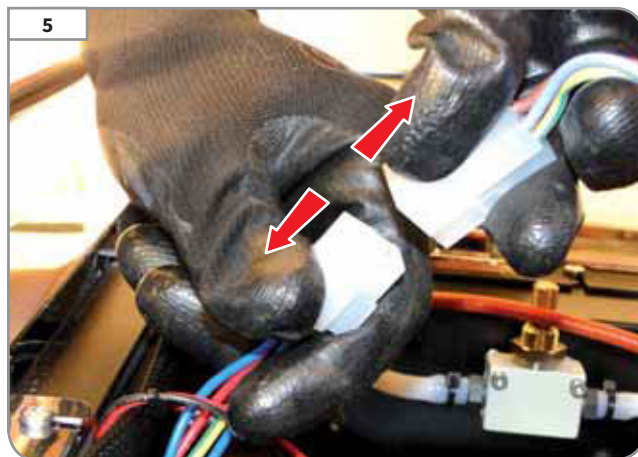
The procedure is identical for each side panel.

- 1 Utilising a Philips screwdriver, slacken the 2 screws on the upper part by two turns to remove the panel.

- 2 Slide the side panel out and lift it to remove it from its seat.

NOTE

Delicately remove and place it on a surface that will not damage it.



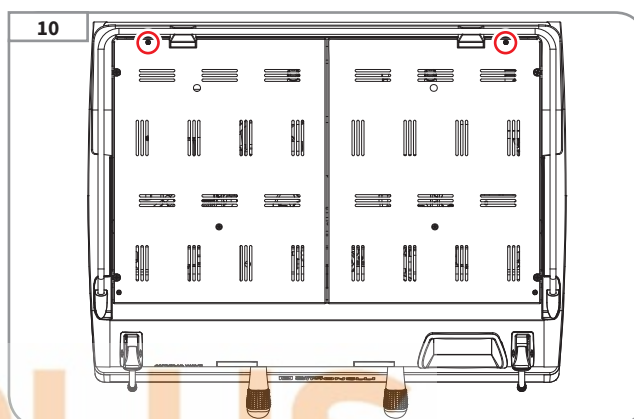
- 3 Remove the LEDs connection.



3.2.2 REAR PANEL

To remove the back panel it is necessary to:

- 1 Remove both side panels first.
- 2 Utilising a Philips screwdriver, slacken the upper screws.



- 3 Carefully remove the panel.

NOTE

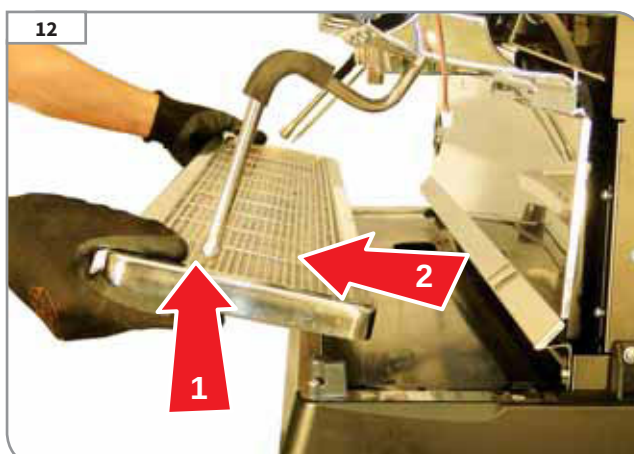
During the re-assembly phase, insert the rear panel first, then the side panels to avoid damaging them.



3.3 REMOVAL OF THE FRONT PANEL

To remove the front panel it is necessary to:

- 1 Remove the work surface raising and removing the water collection pan.



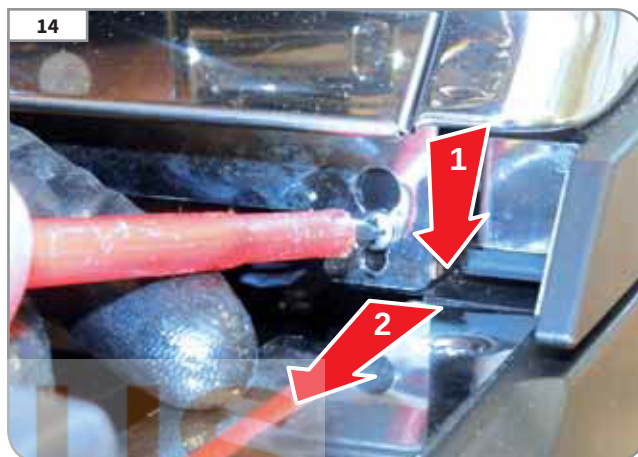
2 Remove the work surface by sliding it out.

3 Utilising a Philips screwdriver, partially unscrew the two side screws that keep the front panel in position.

NOTE

Owing to the shape of the panel, it is not necessary to loosen the screws totally.

4 Lower the panel to free it from the fixing screws.



3.4 REMOVAL OF THE UNIT COVERS

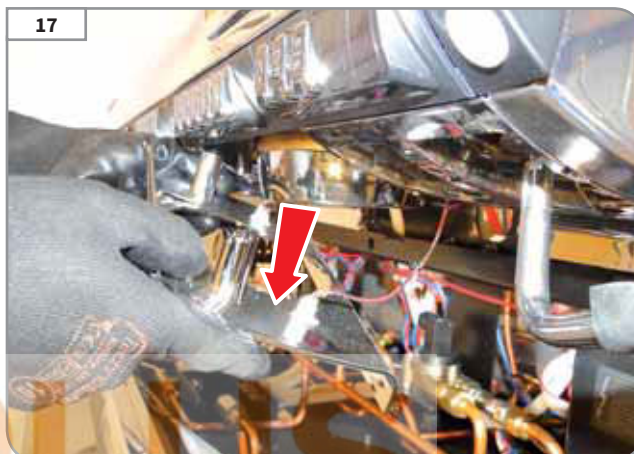
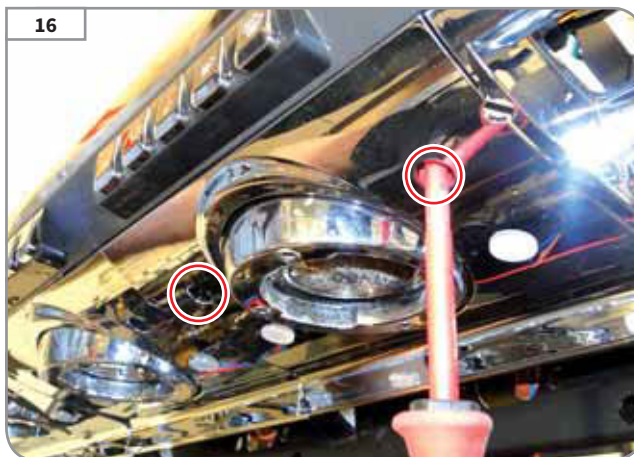
To access the groups proceed as follows:

- 1 Remove the side panels and the front panel.
- 2 Unscrew the 2 screw of the group cover.

- 3 Remove the group cover.

- 4 Disconnect the LEDs light electrical connection.

- 5 If necessary, remove the LED light from the group cover by pressing it with a screwdriver.



- 6 Slide out the LED light.

3.5 REMOVAL OF THE STEAM WAND COVER

- 1 Remove the side panels and the front panel.
- 2 Unscrew the screw placed in the rear of the steam wand.
- 3 Slide out the cover.

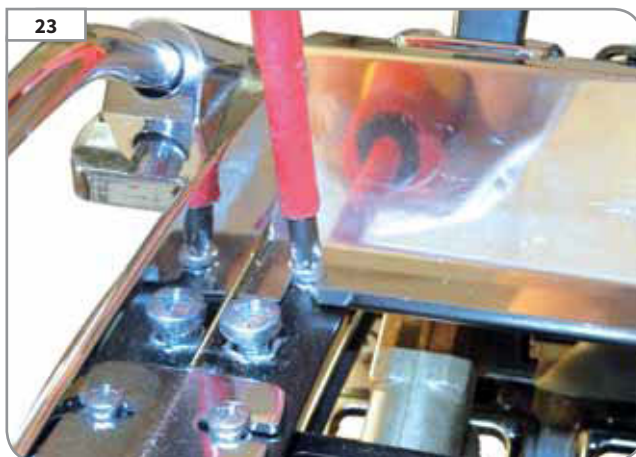
NOTE

This procedure is valid for standard steam wand and Easycream.

3.6 REMOVAL OF THE TOUCH SCREEN

To remove the touch screen panel, it is necessary to:

- 1 Slide out the steam lever frame.
- 2 With a screwdriver, remove the fixing screw of the panel.



3 Slide out the panel.

4 Disconnect the electrical connections:

- Grounds cable connection.

- Display USB connection.

- Display flat cable connection.



- Easycream (optional) flat cable connection.

- Group keyboards flat cable connection.

- 5 Remove the fixing screw of the touch screen display.
The screw is positioned under the panel.

- 6 Slide out the touch screen display from the panel.



- 7 Remove the screen cover fixing screw and remove the cover to access the card.

NOTE

For further informations about operation on the touch screen display, refer to Chapter 8.

- 8 On the rear of the panel, remove the 2 fixing screw with a 2,5 mm Allen key to slide out the group screen cover and access the card.

NOTE

For further informations about operation on the group screen, refer to Chapter 8.

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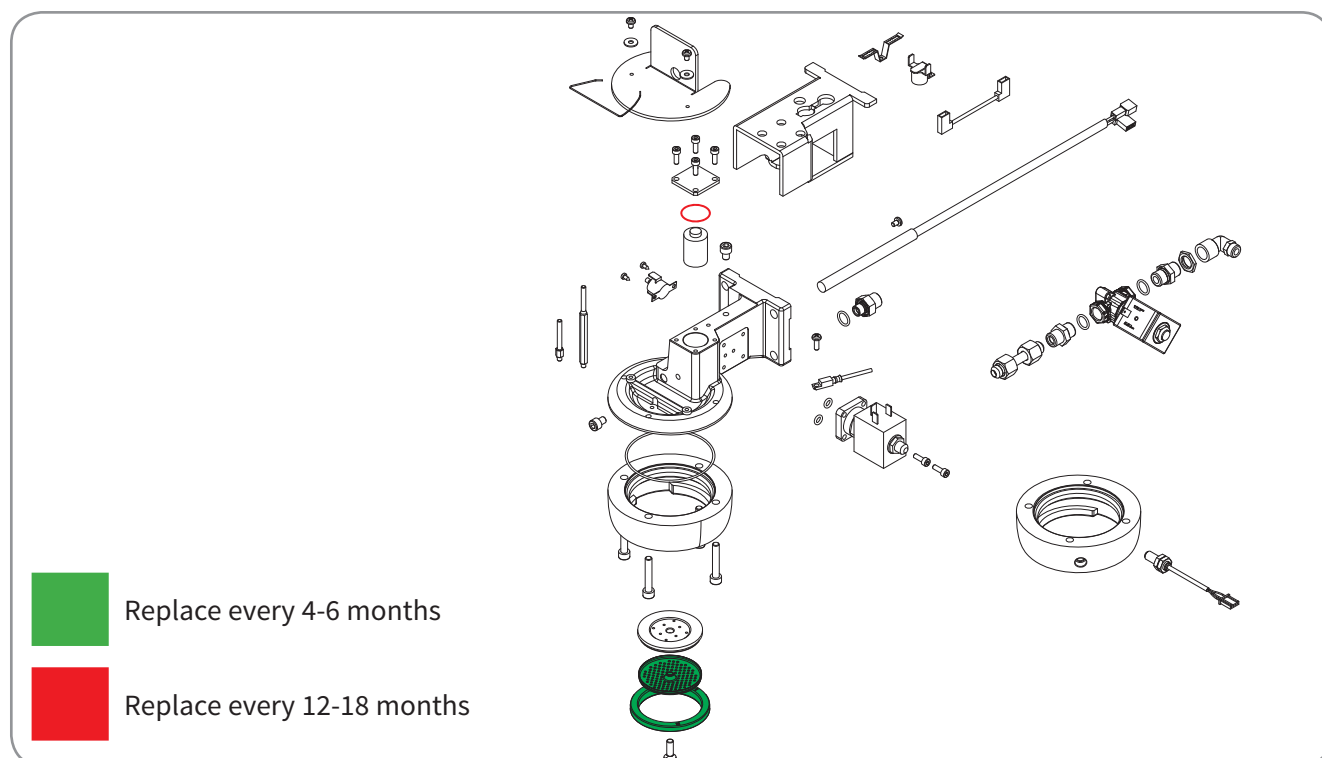


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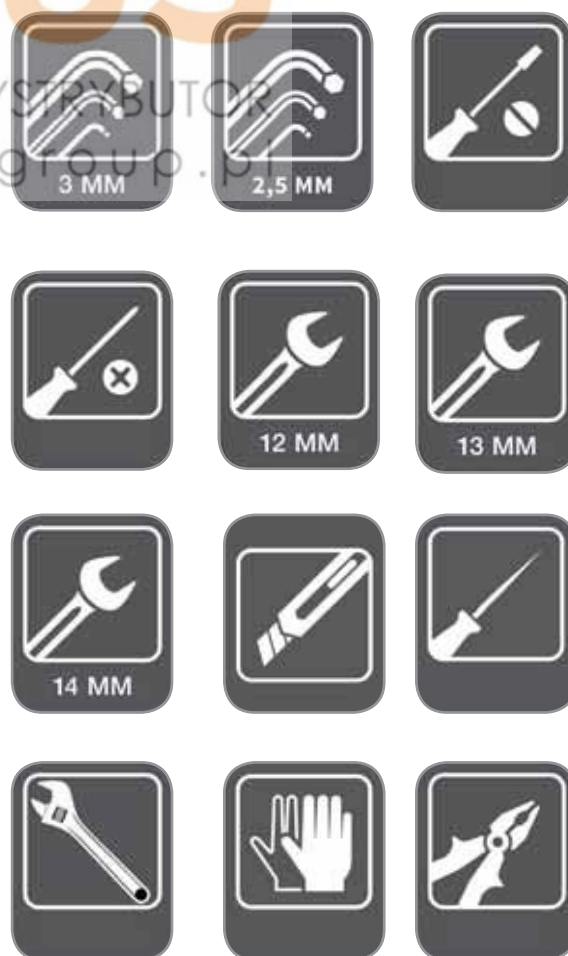
4. INFUSION UNIT



INDEX

4. INFUSION UNIT	4.1
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4.3 REPLACING THE SEAL IN THE PRE-INFUSION CHAMBER	4.5
4.4 REMOVAL OF THE TEMPERATURE PROBE AND UNIT RESISTANCE (T3 VERSION ONLY)	4.6
4.5 COFFEE VALVE	4.8

TOOLS NEEDED:



The infusion unit is different from common systems with thermosiphon circulation. In this case in fact the temperature of the unit is ensured by the presence of a heating element cartridge that lights up based on the needs assessed from time to time by the temperature probe located on the upper side.

NOTE

T3 VERSION ONLY:

Once the machine is turned on the temperature of the unit can be viewed on the screen or in the descriptive programming pages using the navigation menus.

NOTE

The screen can only visualise the unit's temperature.

In unit section shows:

- A Unit heating element housing (T3 version only)
- B Water supply into the unit
- C Pre-infusion chamber
- D Water outlet

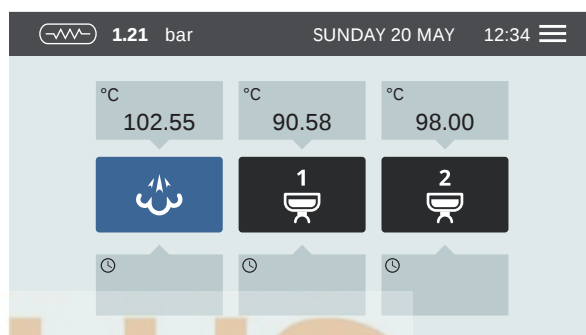
The unit uses also a pre-infusion chamber to increase the time in which water without pressure wets the capsule in order to provide a uniform extract.

The water enters the unit **(B)**, fills the pre-infusion chamber in about 3 seconds **(C)**. In the meantime the capsule is reached by the water **(D)** and is naturally wet. Once the chamber is filled, the pressure of 9 bar reached the coffee initiating the extraction into the cup.

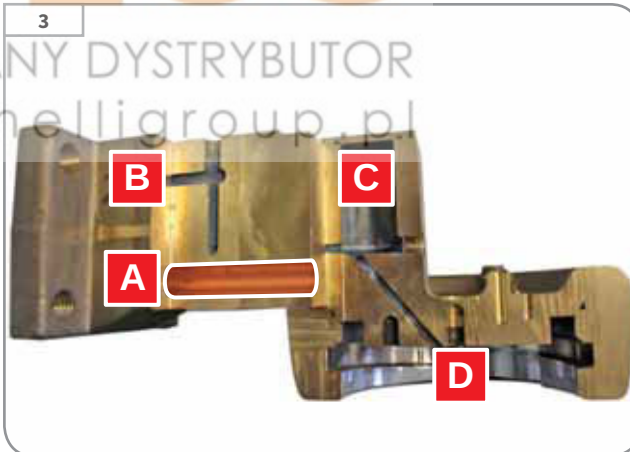
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2



3



The last part of the machine houses a pavilion, a shower and underpan seal.

The pavilion distances the shower from the coffee, according to the need for different thicknesses.

The standard machine comes with 3 mm pavilions; pavilions 4 mm or 5 mm are also available as original spare parts.

The shower is the interface between the coffee and the machine, preventing the coffee from rising inside the machine.

Shower and pavilion tend to get dirty and must be removed and cleaned at least weekly. Furthermore, they must be replaced periodically.

The underpan seal prevents water from coming out from the sides of the pavilion and reach the capsule unevenly or spill from the filter holder.

Since the material is plastic and exposed to high temperatures, the seal must be replaced regularly because it tends to deform and lose elasticity.

NOTE

There is the possibility that on the group is installed the long life gasket (KRic0001).

4



5



6



7



4.1 REMOVAL OF THE FILTER HOLDER PRESENCE SENSOR (OPTIONAL)

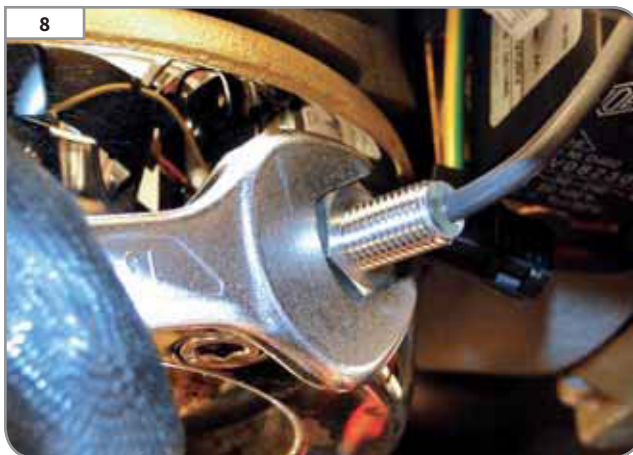
To remove the filter holder presence sensor, it is necessary to:

- 1 Remove the front panel and the group cover.
- 2 With a 13 mm wrench remove the sensor fixing nut.

- 3 Using a crescent wrench slide out the sensor.

NOTE

When the filter holder presence sensor is reinserted, make sure it is align to the internal part of the group and verify the proper functioning.



4.2 REMOVAL OF SHOWER AND SEAL

To remove the shower and pavilion it is sufficient to loosen the central screw under the unit.

WARNING

If the machine was turned off recently, protect yourself with thermal insulation gloves.

To change the seal use an awl or a slim flathead screwdriver and at first remove one edge of the seal and then remove it entirely. If the unit is worn out just insert shims under the seal so as to reduce the stroke of the filter holder.

4.3 REPLACING THE SEAL IN THE PRE-INFUSION CHAMBER

The pre-infusion chamber is sealed by a cover fixed with four hex screws.

Under the cover there is a seal that should be changed annually, in fact, like all seals, it may deteriorate in time and lose elasticity.

WHEN TO REPLACE IT

The seal must be replaced annually or when there is a leak from the pre-infusion chamber.



HOW TO REPLACE

1 Remove the clip of the insulating cover.



2 Cut the insulation cover.



3 Loosen the 4 hex screws with an 3 mm Allen key.



4.4 REMOVAL OF THE TEMPERATURE PROBE AND UNIT HEATING ELEMENT (T3 VERSION ONLY)

The unit is heated with a 300 W heating element cartridge that is controlled directly by the control unit according to the needs detected by the temperature probe.

WHEN TO REPLACE THE PROBE

In the case where the screen shows the message "Error probe unit x" it may be necessary to change the probe which detects the temperature of the unit. The likely reference values of the probe unit operating at room temperature (22°) are 1.08 KOhm and 1.37 KOhm at 90°.

If the values are extremely distant from these values it is necessary to replace the temperature probe.

HOW TO REPLACE

To remove the temperature probe simply disconnect the probe from the extension that connects to the sensor card and unscrew the screw that holds it in place using a Phillips screwdriver.

THE HEATING ELEMENT

Should an abnormality occur in the manual reset guard would interrupt the power to the heating element once the temperature reaches 135°.

If the circuit is opened by the guard, test the heating element.

Typical values of the heating element at room temperature are approximately 1.5 Ohm.

HOW TO REPLACE THE HEATING ELEMENT (T3 VERSION ONLY):

To remove the heating element cartridge initially remove the screw that holds it in place with a Phillips screwdriver.

The screw is located in the rear wall of the wall that holds the unit. It is then necessary to remove the corresponding cup warming modules beforehand.

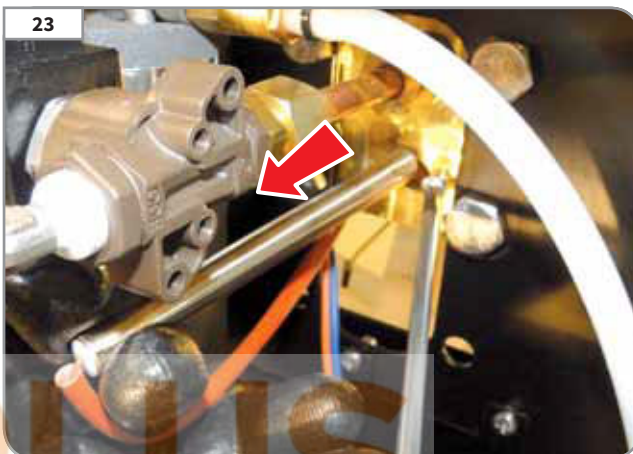


22



Pull out the cartridge and replace it if necessary.

23



24



4.5 COFFEE VALVE

Each unit is provided with a three-way valve called coffee valve.

It is a solenoid valve that is normally closed and opens when it received a command to dispense coffee.

NOTE

The coffee valve is "normally closed", so is opposed to the optional pulse Jet valve, that is "normally open".

Pay attention to this note during the operation.

When this valve is closed, the liquid remaining in the water circuit is pushed by pressure towards the third outlet of the valve that is connected to the waste water manifold.

When this occurs, the water under pressure in the unit that cannot pass through the coffee capsule is pushed towards the third outlet of the valve, thereby drying the capsule.

TYPICAL PROBLEMS:

If there are problems connected to the coffee capsule being completely soaked, three hypotheses can be evaluated:

- 1 The third passage of the valve is obstructed, therefore the final suction is less than it should be.
- 2 Shower and pavilion are blocked because of poor machine cleaning.
- 3 The unit always drips, thereby soaking the capsule.

HOW TO REPLACE THE COFFEE VALVE:

- 1 Turn off the machine and wait few minutes for cooling.
- 2 Empty the steam circuit to eliminate the pressure in the boiler.
- 3 Turn the pump tap off.
- 4 When the pressure has dropped, remove the front panel, as explained in Chapter 3.

- 5 Remove the cable clip utilising pliers.

- 6 Disconnect the Teflon pipe of the third outlet.

25



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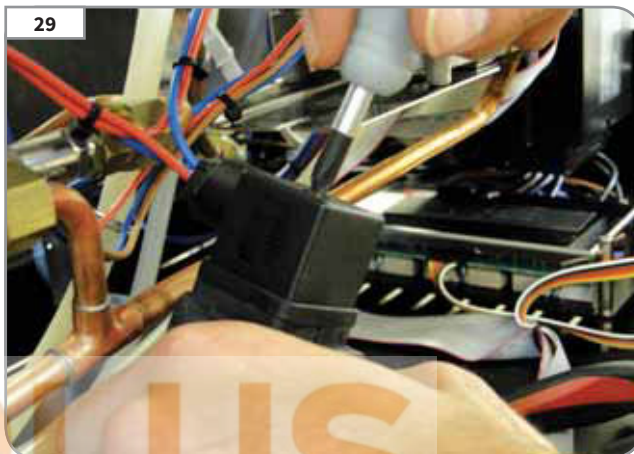
27



7 Unscrew the fixing nut of the coil utilising a 14 mm spanner.



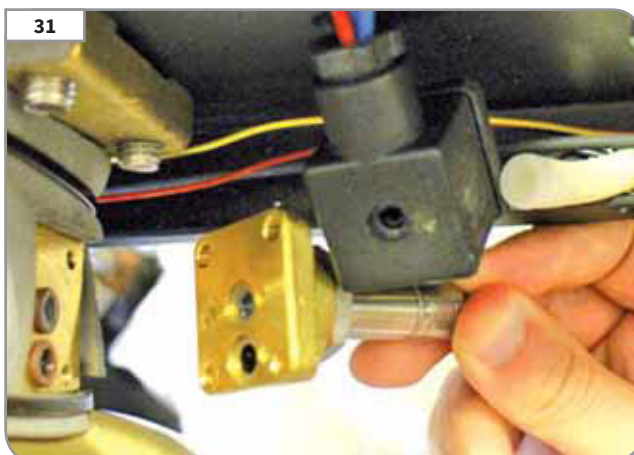
8 Utilising a Philips screwdriver, remove the head screw.



9 Utilising a 3 mm Allen key or a hexagonal screwdriver, remove the two screws that fix the head to the unit.



10 Place absorbent kitchen paper underneath the valve and remove the support base of the valve. Check the contact points that often can be full of limescale. Clean utilising an adequately pointed tool.



Check for the presence of limescale or oily residues by unscrewing the valve base. These residues could obstruct the free circulation of the water, thereby favouring stagnation in the water filter holder.

NOTE

In case of oily residues, properly instruct the staff using the machine to perform a regular, deep cleaning with suitable detergents.

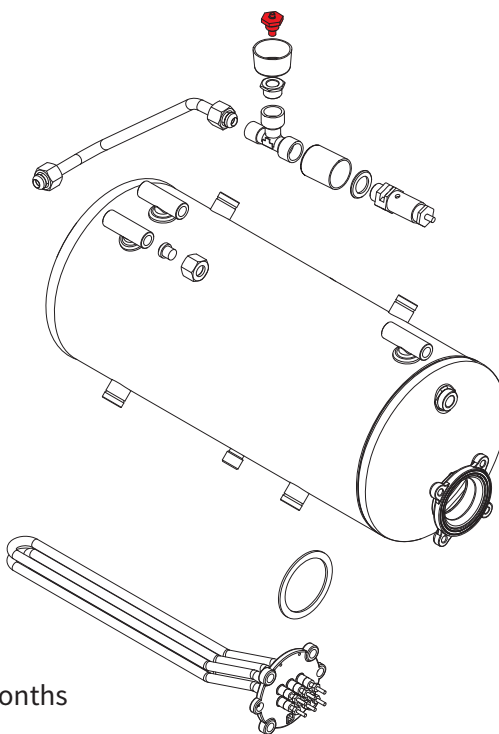


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5. STEAM HEATER



Replace every 12-18 months

INDEX

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5.1 EMPTYING THE HEATER	5.2
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TOOLS NEEDED:



5.1 EMPTYING THE HEATER



DANGER

Before proceeding with the operations described in the chapter make sure that the machine is turned off and unplugged from the mains. Discharge any residual pressure present in the steam circuit.



WARNING

Before emptying the boiler, disconnect the water inlets inside the water circuit by turning off the inlet tap and disconnecting the pipe.

These operations are necessary to avoid any water leakage inside the machine that may cause damage.



WARNING

Each time the boiler has to be operated on, ensure that there is no water in the boiler and there is also no pressure.

To empty the heater proceed as follows:

- 1 Turn off the machine and let out all the steam by opening fully the steam outlets to lower the inner pressure quickly.
- 2 Remove the work surface and the plastic cover (see Chapter 3).

- 3 Turn off the water inlet to the pump (A).

1

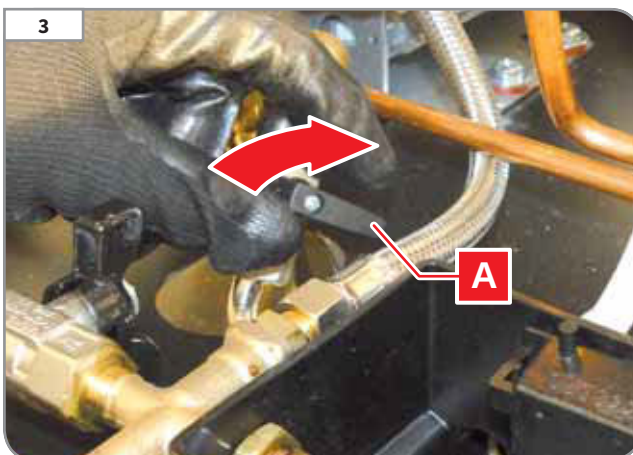


DANGER

2



3



- 4 Utilising a 13 mm spanner, unscrew the bolt inside the waste water manifold.
- 5 Let the water completely drain out.

NOTE

When switching on again, the auto-filling function will fill the boiler with water in 90 seconds. If the level error message appears, switch off the machine and switch on again utilising the main switch.

5.2 ACCESS TO THE HEATER

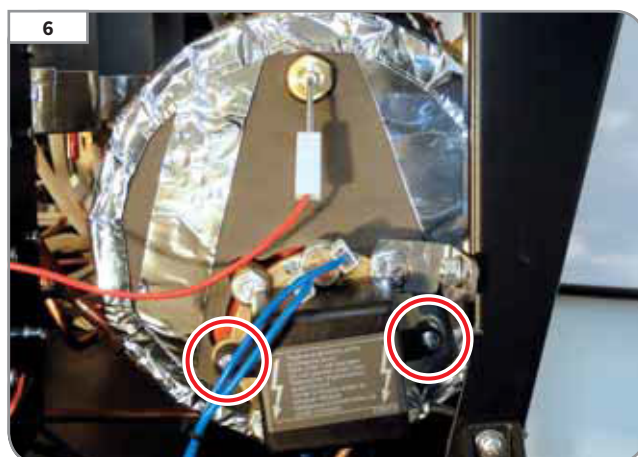
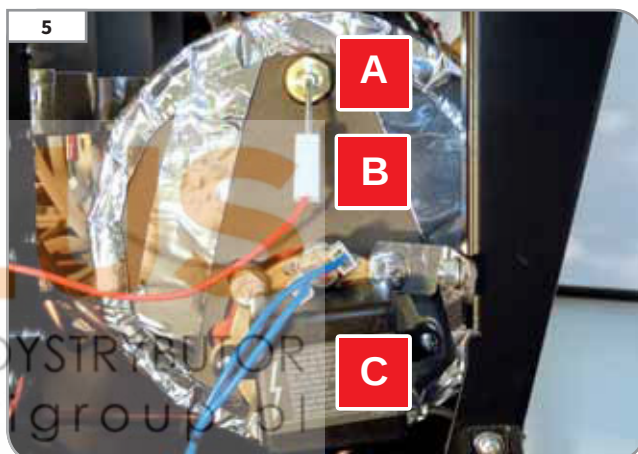
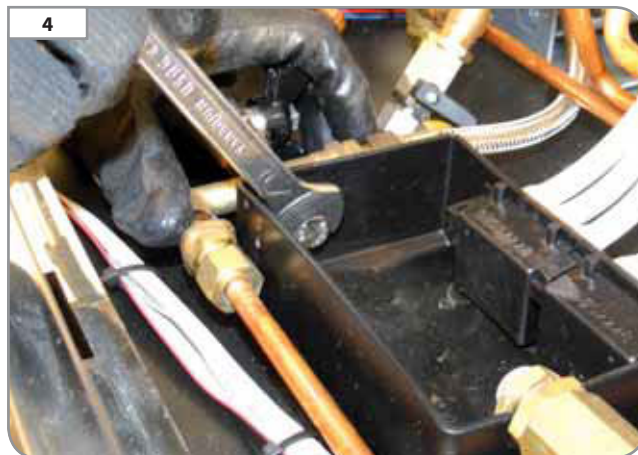
To access the heating element and the connections of the boiler:

- 1 Remove the right side panel (see Chapter 3).

The visible parts are:

- A The level probe.
- B The manual reset thermal protection device at 135°C.
- C The cover of the resistor connection terminal.

To access the terminal, simply unscrew the two screws on the cover with a Phillips screwdriver.



5.3 HEATING ELEMENT AND HEAT PROTECTION

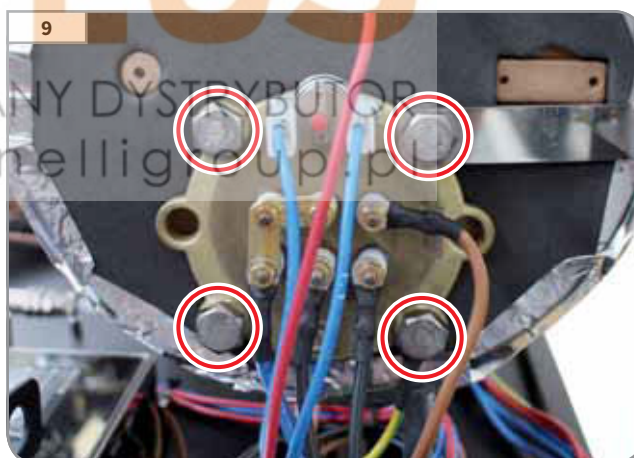
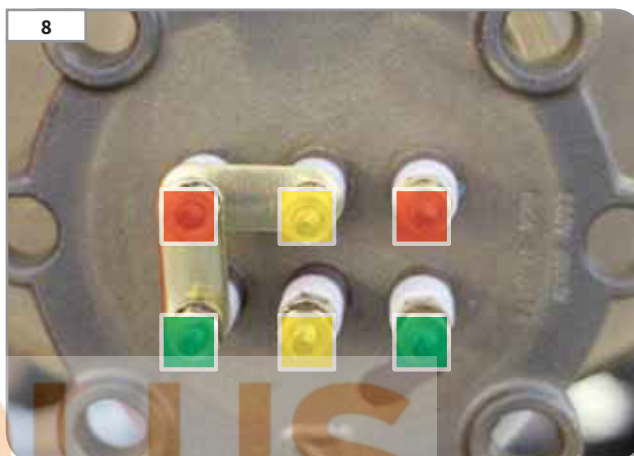
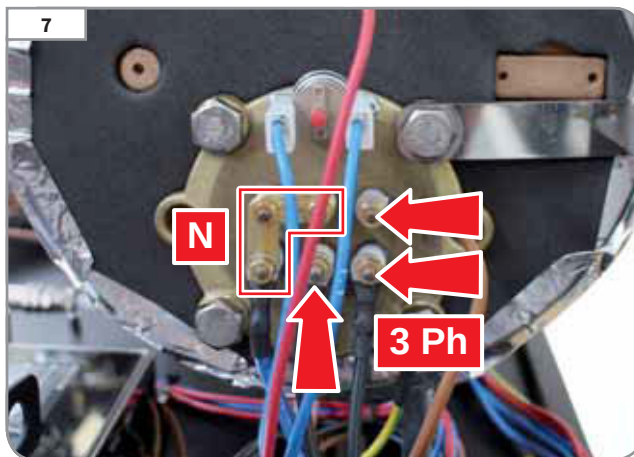
The main heater has the following heating elements:

- 4500 W for the 2-unit version.
- 5000 W for the 3-unit version.

There are three heating elements, one for each phase, therefore, in the terminal box we find the neutrals connected in parallel (**N**) and the three phases which arrive each to a different element, perfectly distributing the absorption of the current.

The resistor is composed of three heating elements which in conditions of perfect operation give typical values of about 30/33 Ohm. To detect whether there are damaged elements, place the tester probes on the elements of the same colour as shown in the figure.

If you need to remove the heating element to be cleaned from limestone or replaced, it will be sufficient to disconnect the connections with a 6 mm wrench and unscrew the four bolts with a 13 mm wrench.



Remove with care the panel out of its slot.

NOTE

Each time you replace the heating element is also necessary to change the Teflon O-ring that isolates it from the heater because it is a part subject to wear, therefore the component it must be ordered together with the heating element.

5.4 REPLACEMENT OF THE LEVEL GAUGE

The water inside the heater is maintained at a constant level through the use of a level probe inserted inside the heater.

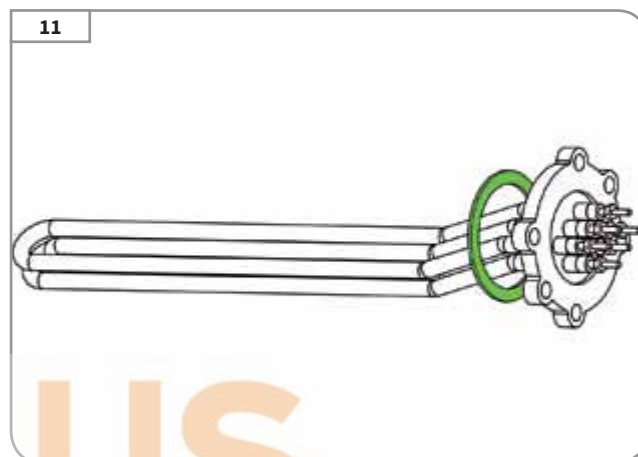
This probe is connected to the electronic control unit that continuously polls the probe.

Being always exposed to high temperatures and steam/water it is subject to encrustations which can inhibit operations.

WHEN TO INTERVENE

- In case it is verified that there are no problems upstream from the probe you can easily access the component and perform careful cleaning with abrasive or descaling agents.
- Make sure that the Teflon coating of the probe is not damaged. If it is, there would be a loss of steam and electric insulation and the probe should be replaced.

To remove the probe simply disconnect the red wire and unscrew the bolt with a 17 mm wrench.



NOTE

When replacing the probe it is necessary to cover the threads with Teflon tape or liquid sealant.

SENSITIVITY PROBE

In the case of particularly demineralized water it is possible to increase the sensitivity of the probe, as described in Chapter 9.

5.5 ANTI-SUCTION VALVE

The anti-suction valve ensures that air enters the heater during the machine cooling phase. In this way the reduction of water volume due to cooling does not create decompressions that may give rise to drawbacks such as the suction of milk through the steam nozzle.

WHEN TO REPLACE

You can assume that there are problems with the anti-suction valve when:

- A There is a strong smell of rot when making steam or water is extracted from the heater.
- B The water leaving the heater is dirty.

In these cases the valve is closed and is locked in this condition.

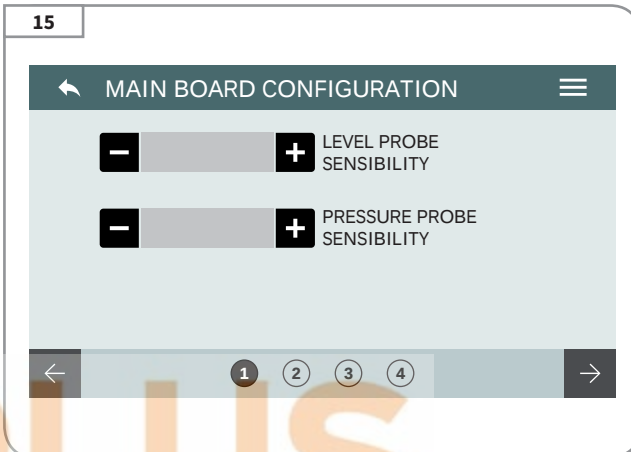
If the valve blocked open because of limestone the signs would be:

- A A continuous slight whistling sound coming from the valve.
- B Condensation drops near the valve.

14



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NOTE

We suggest that the valve be replaced annually to ensure proper function and excellent sealing.

HOW TO REPLACE

Using a 19 mm cup hex wrench unscrew the valve from its housing.

When inserting the new one, coat the threads with Teflon tape or with a few drops of Loctite.

5.6 SAFETY VALVE

The steam safety valve is made to open at the pressure of 1.8 bar.

Should it be necessary, it can be replaced using a wrench to lock the pipe of steam and unscrew the assembled unit.

WHEN TO REPLACE

For safety reasons **each time the valve comes into operation it should be replaced** to ensure perfect operation.

So if the heater floods or there is excess steam it is necessary to secure the machine by replacing the entire valve.



WARNING

OPERATION TO BE CARRIED OUT WITH THE PRESSURE IN THE BOILER AT ZERO (0 bar).

HOW TO REPLACE

After removing the assembly comprising the safety valve and anti-suction valve, break the plastic cover and using a vice, unscrew the valve from the T-fitting.

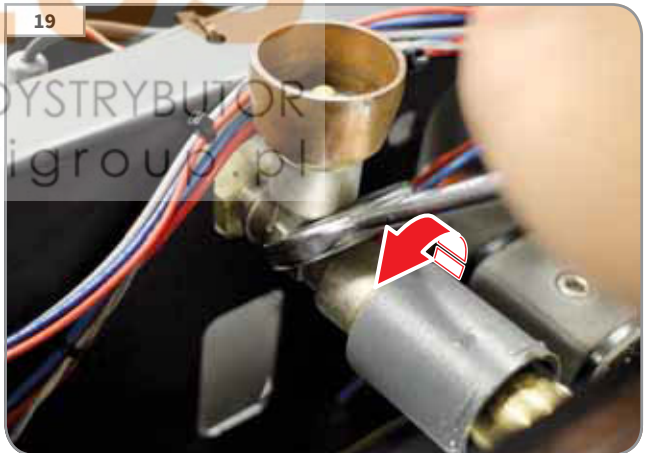
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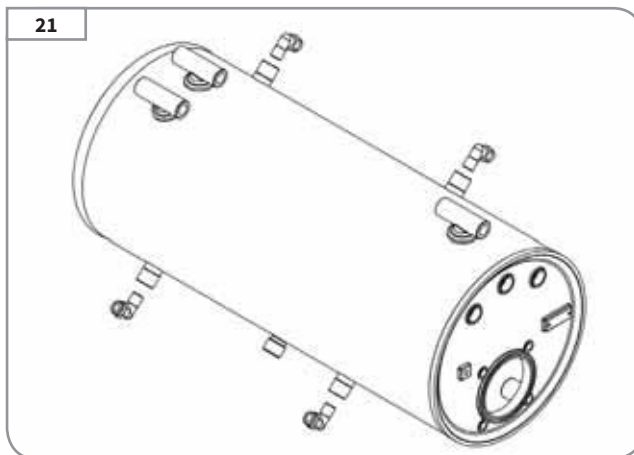
5.7 HEAT EXCHANGERS (T3 VERSION ONLY)

The heat exchangers have the function of preheating the water before being injected into the boiler of each unit and must be adjusted with precision to the required temperature.

The cold water enters the heater through the upper entrance and exits heated from the lower end.

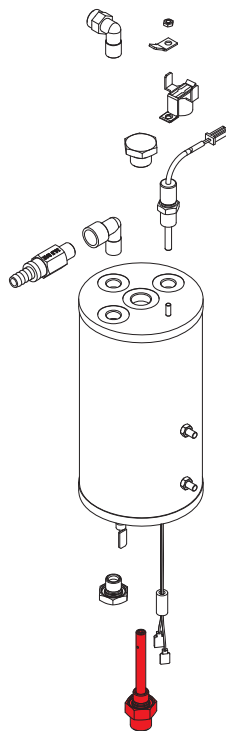
The critical points are in correspondence to the zones in which there is greater temperature difference, therefore it is opportune to evaluate the correct cleaning of the water inlet unions.

We recommend an annual inspection of the fittings that inject water in the exchangers and to remove any residues of calcium that can be created.



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6. COFFEE HEATERS (T3 VERSION)



Replace every 12-18 months

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6.8 PROCEDURE FOR AUTOMATICALLY FILLING THE COFFEE HEATER	6.10
6.9 REMOVAL OF THE PULSE JET VALVE (OPTIONAL)	6.12

TOOLS NEEDED:



6.1 HEATERS

There is a 0.7 litre coffee boiler in each unit in the T3 machines.

The consumption of each of these heaters is 700 W.

The heaters are equipped with a temperature probe that communicates with the electronic board and an expansion valve to allow the release of excess water expansion formed during the heating phase.

A thermal fuse is connected in series to open the circuit if the safety of the machine is compromised by excessive overheating. The thermal fuse opens the circuit once the temperature limit of 167° is exceeded.

ANGER

Before proceeding with the operations described in the chapter make sure that the machine is turned off and unplugged from the mains. Discharge any residual pressure present in the steam heater.

6.2 ACCESS TO HEATERS

To work on boilers, it is advisable to access both the upper side and the lower one:

- 1 Remove the screws of the cup warming modules.
- 2 Remove the upper panels and disconnect the connector of the cup warmer heating element and the temperature probe of the cup warmer.
- 3 To access the bottom of the coffee heater it is necessary to remove the work surface and the plastic cover.
- 4 Remove the front panel.

NOTE

See the Chapter 3 for further information about the removal of the panels.



6.3 EMPTYING OF THE COFFEE HEATER

To operate in safety, completely empty the boiler when substituting boiler parts. Before working on the machine, activate the “CLOCK DISENABLED” mode. Switch off the machine to obtain the visualisation of the word OFF on the screen. Keep the washing key pressed until “CLOCK DISENABLED” appears on the screen.

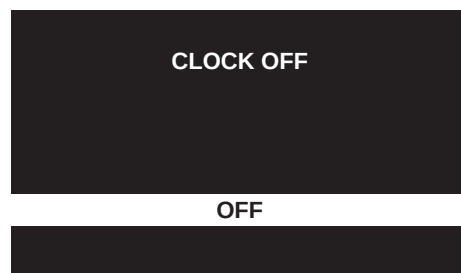
It is now safe to operate:

- 1 Turn off the water tap on the pump, to prevent it from injecting new water and there are no leakages.

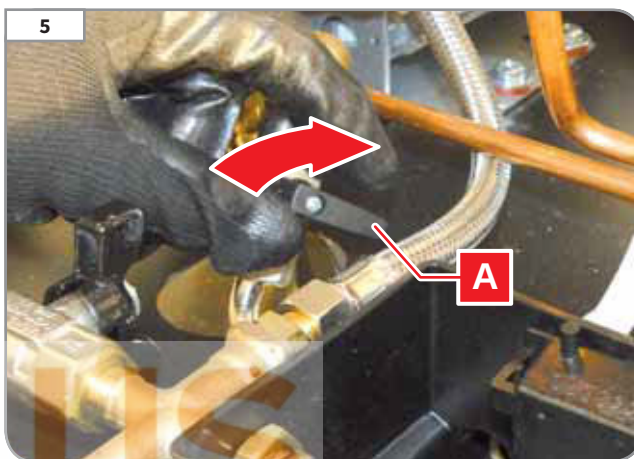
- 2 Remove the safety thermal fuse to have more space in which to operate.

- 3 Release the pipe from the clamp.

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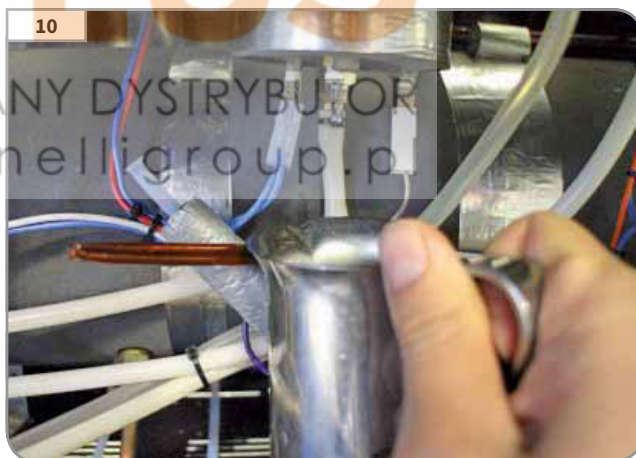
- 4 Disconnect the Teflon pipe from the expansion valve.



- 5 Unscrew the nut utilising a 17 mm spanner that brings water into the boiler.



Alternatively, place an appropriate container under the heater (e.g. milk jug). Initially, water will not come out because there is no air entering the heater.



- 6 With a 12 mm wrench loosen the Teflon water output connector.

At this point water will start to come out from underneath because air can enter.

NOTE

To have the water come out faster it is possible to use a piece of Teflon pipe and a compressor or air blower inside the heater.



- 7 Remove the two 7 mm nuts and lift the boiler.

6.4 TEMPERATURE PROBE

The temperature probes of the coffee heaters interface with the control unit located on the left side of the machine through a passive signal collector connected with the control unit via a flat cable. In this way you can access the probes quickly and independently. Each probe is equipped with an extension, so you can replace the probe without accessing the data collector.

The temperature probes of the heaters have a value of 47-50 KOhm at room temperature (about 25°) and 4.3 KOhm at about 88°C.

The machine is provided with software to detect possible malfunctions.

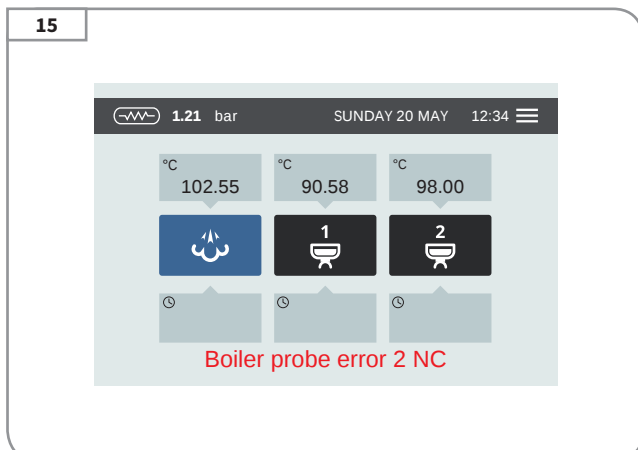
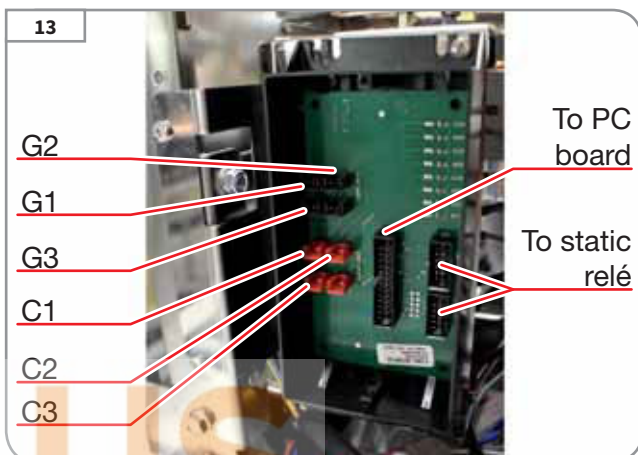
HEATER PROBE ERROR

“Heater probe error X NC” (not connected).

“Boiler sensor error X NC”.

POSSIBLE SOLUTIONS:

- 1 Follow the entire route of the probe up to the data collector and check that the cable is intact.
- 2 Replace the probe.
- 3 Check for any damage to the flat cable that connects the probe collector to the control unit.



NOTE

For further information, refer to the flow diagrams in chapter 14.

It might short circuit if the sensor is damaged. In this case the message displayed will be:

“Boiler sensor error X CC”.

POSSIBLE SOLUTIONS:

- 1 Replace the probe.
- 2 Check the error probe extension.

If the value displayed, detected by the probe, is extremely high or quite unstable despite the smooth operations, remove and replace the probe with a new one.

Since the coffee heater is always full of high temperature water, common limestone problems do not excessively affect the temperature probe.

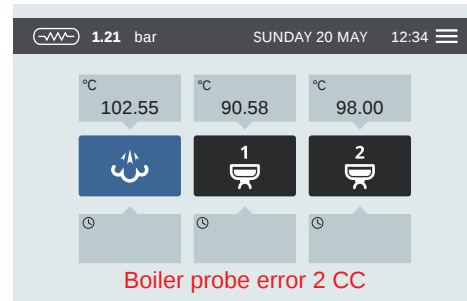
In fact, it is unlikely that the limestone will inhibit the operation of the probe, but more likely it will slow its capability: a probe covered with limestone becomes less sensitive to temperature changes.

In cases like this in which there are no significant changes that place the heater under stress, the probe must be removed and controlled for the presence of limestone.

To remove the probe, simply use a 12 mm wrench.

Remove calcification with appropriate products.

16



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NOTE

When reinstalling the probe the threading must be wrapped with Teflon tape or use liquid Loctite to prevent leakage.

It is useful for replacement operations to clamp the wires to collect them together to make accessing easier and to avoid contact with high temperature surfaces.

6.5 REPLACEMENT OF THE TEFLON INJECTOR

Inside the coffee heater sectioned in the figure we can see:

- A The 700 W heating element.
- B A Teflon injector from which water enters horizontally.
- C Thermal fuse cover.

The holes of the injector sprays the water heated by the heat exchanger to the base of the heater and consequently the water at a stabilized temperature which is located on top of the heater is released to reach the unit.

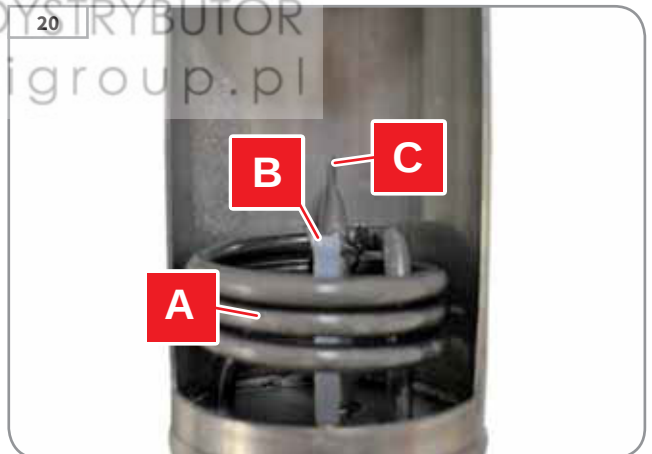
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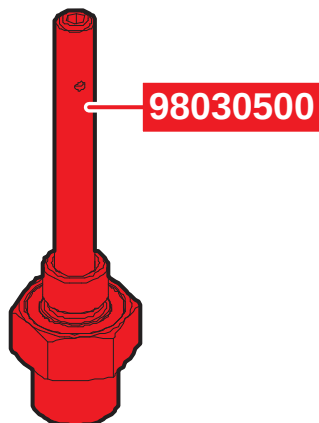


The holes of the injector tend to become clogged if the operating water is not optimally softened or after several months of work.

For this reason, we recommend that the injectors be replaced once a year.

To remove the injectors it is necessary to drain the heater and then carefully unscrew the injector from its housing using a wrench or 17 mm spanner.

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WARNING

Be extremely cautious during removal operations since the ceramic heating element insulators could be damaged thus compromising the integrity of the entire heater.

If the ceramic insulators break the heater must be replaced to prevent a general short circuit.

REASSEMBLY

Wrap the threading of the injector with Teflon tape or use of liquid Loctite before screwing the component into its housing.

In case of the injection is equipped with seal, Teflon might be not mandatory.

6.6 REMOVAL OF THE HEATER

Once the heater is safely drained proceed with:

1 Disconnecting the ground and temperature probe.

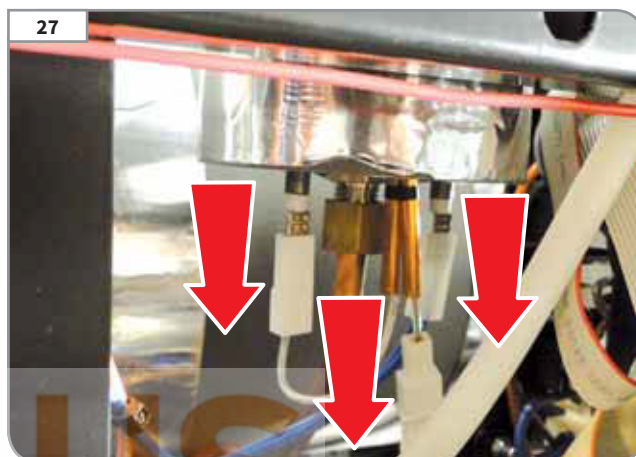
2 Remove the thermal fuse and disconnect the heating element.

3 Disconnect the exhaust pipe of the expansion valve.

4 Utilising a 7 mm spanner, slacken the two fixing nuts of the boiler. Then slide out the boiler and remove it from its housing. Simply partially loosen the nuts because the mechanism is recessed.

NOTE

After replacing the new heater proceed with restoring water inside the heater as described in paragraph 6.8.



6.7 SUBSTITUTION OF THE THERMO-FUSE

Once the temperature of 135° is exceeded the thermal fuse must be replaced. This event can occur in several cases:

- The heater heats without water inside.
- Power surges can damage the thermal fuse.
- Problems with the temperature probe may lead to an excessive temperature and therefore rupture.

Check the continuity of the element as it is an excellent conductor when functioning correctly. Normally the continuity is approximately 0.5 Ohm. If the value is extremely higher than it must be replaced. Simply remove the element and insert the new one with due attention.

6.8 PROCEDURE FOR AUTOMATICALLY FILLING THE COFFEE HEATER

Once the various parts of heater, or the heater itself, have been replaced it is necessary to carefully fill it to prevent it from starting to heat in the absence of water.

If this were to happen the thermal fuse would break to protect the heating element.

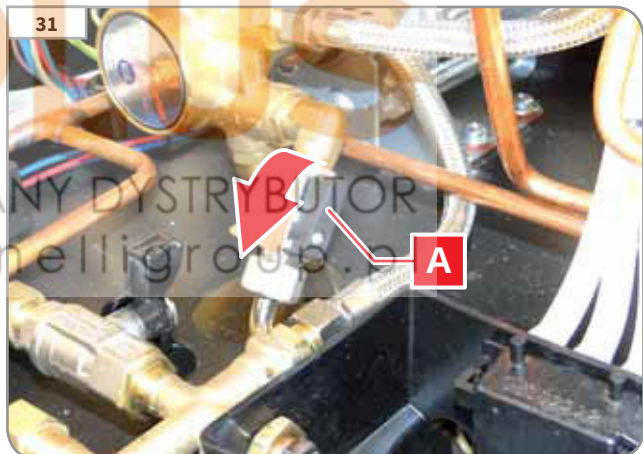
The steps are:

- 1 Re-open the water tap **(A)** at the entrance to the pump.

Turn on the machine by pressing the power button



and place it **IMMEDIATELY** in the condition in which the screen displays the status “OFF”.



Press and hold the wash button  until the screen displays "CLOCK OFF".

Now press the power button : in this way the operational mode will be that entered before installation which will properly fill all coffee heaters for 45 seconds. Wait until the water is uniformly delivered by all units.

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CLOCK OFF

OFF

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6.9 REMOVAL OF THE PULSE JET VALVE (OPTIONAL)

This procedure is valid only if the Pulse Jet valve (optional) is installed.

NOTE

The Pulse Jet valve is a valve "normally open" and can't be replaced with a general use 2 ways coffee valve, that are "normally closed".

1 Remove the Teflon pipe with a 12 mm wrench.



2 Remove the solenoid valve with a 14 mm wrench.



3 With a 17mm wrench remove the copper pipe.

4 Replace the solenoid valve and reassemble it on the coffee heater.

NOTE

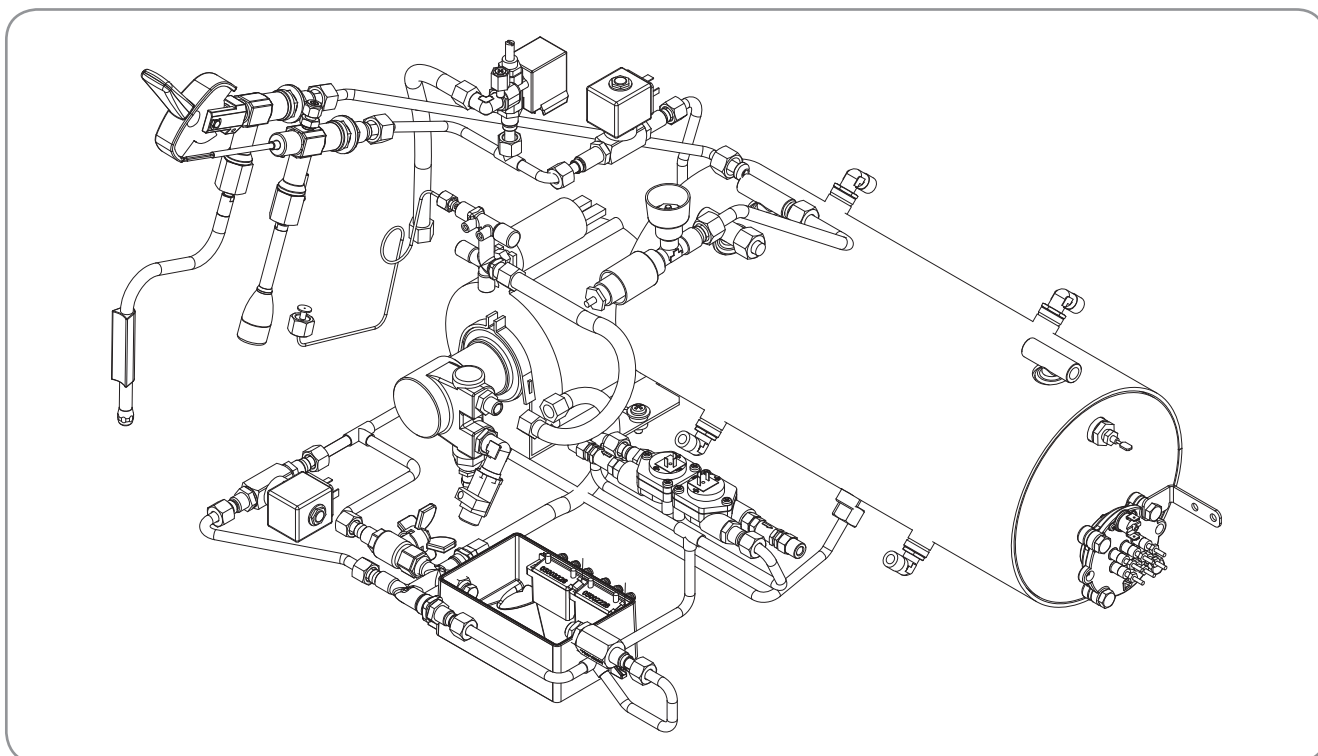
When reassembling, remember to apply teflon on connections, fittings and nozzle.

NOTE

When reassembling, moderate the force in tightening the plastic fitting.



7. HYDRAULIC CIRCUIT



7

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7. HYDRAULIC CIRCUIT	7.1
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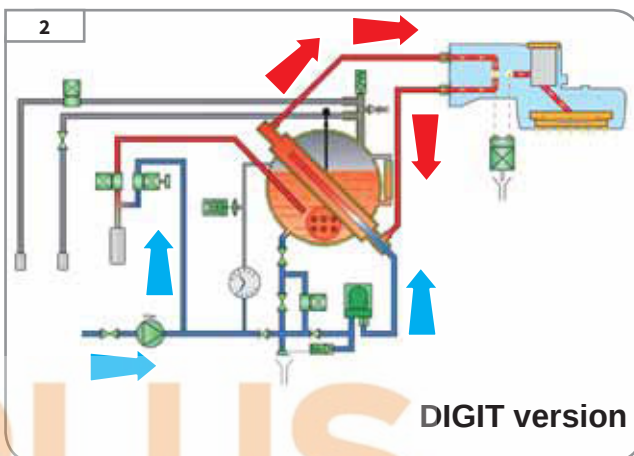
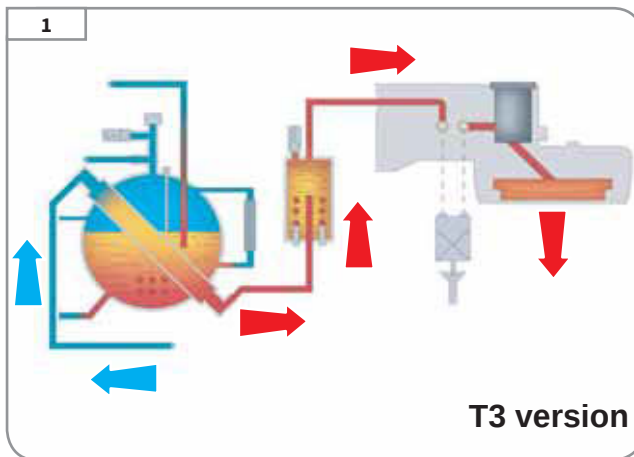
TOOLS NEEDED:



In conventional machines the cold water is fed into the lower part of the heat exchanger and then exits from the upper part.

T3 technology instead uses water in a different way: the liquid enters the heat exchanger from above and exits from below. The heat exchanger is smaller than normal and contains a reduced amount of water.

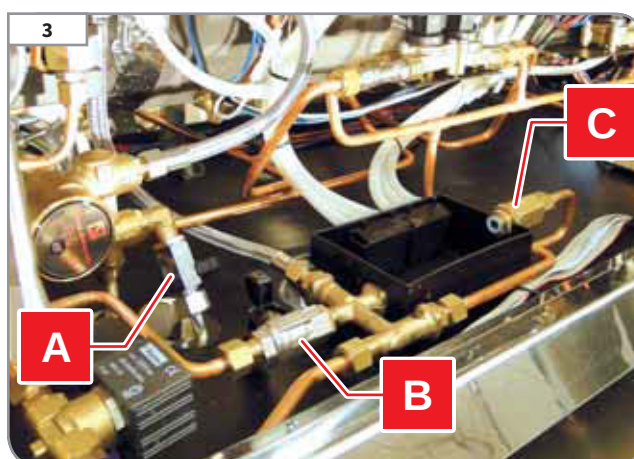
In the DIGIT version, the water enters underneath the heat exchanger and exits from above. Therefore, it is heated by the effect of heat radiation circulation.



7.1 DISCHARGE TRAY AND SERVICE TAPS

To access the hydraulic part at the base of the machine it is necessary to:

- 1 Remove the drip tray, the part positioned underneath the tray, and the front panel as illustrated in Chapter 3.
- 2 Once removed, the front panel shows:
 - A The pump tap to close the water inlet.
 - B The service tap to stop the water in the boiler from returning into the circuit.
 - C The drip tray.



The drip tray has a cover to which are connected all silicone pipes. There is a discharge for the dispensing valve and a discharge for the expansion valve of the boiler.



7.2 THE PUMPING ELEMENT

The pump is located on the left side of the machine. The duration of the pump depends on the amount of daily work and the quality of the water. The machine pressure set by the factory is ideal for the extraction of the coffee: 9 bar.

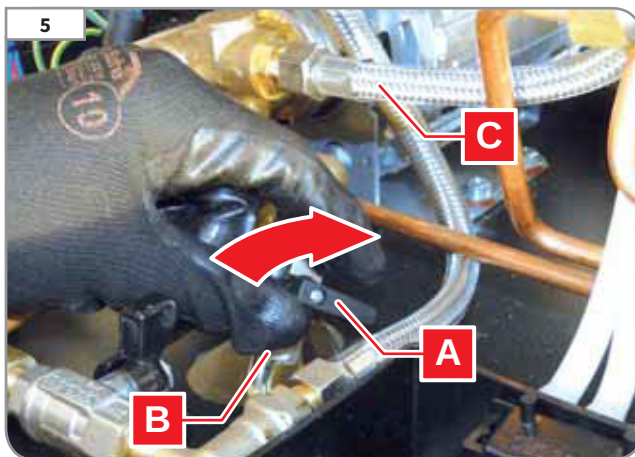
WHEN TO REPLACE THE PUMP

- **It is noisy:** if the impurities enter inside the pump, the blades of the impeller may block, therefore making it impossible to load water.
- **Pressure not adjustable:** with time the impeller blades can wear out, therefore if it is not possible to adjust the pressure with the appropriate wheel it would be necessary.
- **Pressure fluctuation during dispensing:** the bypass or the impeller are damaged.

7.3 REMOVAL OF THE PUMP

If the pump needs to be removed it is necessary to:

- 1 Remove the left side panel and the front panel as illustrated in Chapter 3.
- 2 Close the water inlet tap **(A)** upstream of the machine and disconnect the water inlet pipe **(B)** utilising a 21 mm spanner and a 17 mm spanner for the flexible pipe **(C)** exiting from the pump.
- 3 Unscrew the metal hose clamp that keeps the pump attached to the motor and remove it.
- 4 Utilising a 20 mm spanner, unscrew the unions and adapt them to the new pump utilising Teflon tape to seal the parts.



7.4 REMOVAL OF THE CONDENSER

DANGER

Before proceeding with the operations described in the chapter make sure that the machine is turned off and unplugged from the mains.

To replace the condenser:

- 1 Remove the left side panel as shown in Chapter 3.
- 2 Remove the bolt that holds it to the motor using a 13 mm wrench.

- 3 Disconnect the sockets and connect the new capacitor.

8



DANGER

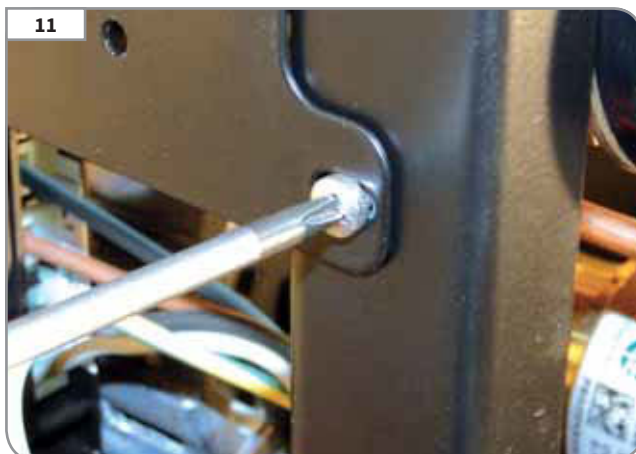
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7.5 REMOVING AND REPLACING THE MOTOR

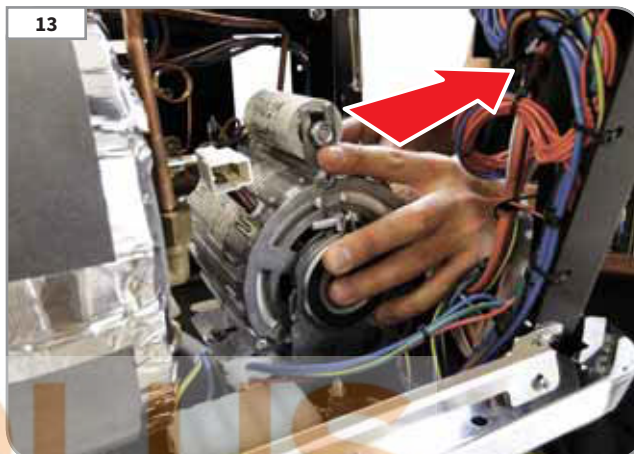
- 1 Remove the left side panel as shown in Chapter 3.
- 2 Remove the pump as illustrated in this Chapter.
- 3 To facilitate the removal of the motor, also unscrew the screw that keeps the door of the central unit closed. Use a screwdriver to remove the screw.

- 4 Unscrew the four screws that hold the motor.
- 5 Disconnect power connections.

- 6 Carefully remove the motor.

- 7 Remove the condenser using a 13 mm wrench.

- 8 Remove the side clamps which hold the motor to the mounting plate using an 8 mm wrench.



- 9 Fit the new motor in the mounting plate and replace all removed parts.

7.6 SUBSTITUTION OF THE SELF-LEVELLING VALVE

The self-levelling valve is positioned on the left side of the machine. Its operation regulates the amount of water that flows inside the heater during all phases of machine operation. The central unit continuously interrogates the level sensor and opens the valve if the level of water in the boiler is not sufficient to cover the heating element.

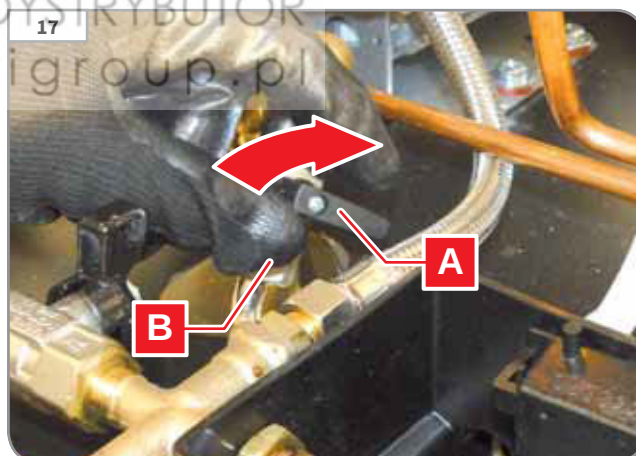


WARNING

Empty the boiler before starting this operation.

To remove the coffee valve it is necessary to:

- 1 Close the water inlet **(A)** located on the pump.
- 2 Close the valve **(B)** that prevents water from the heater to return in the inlet circuit.
- 3 Utilising a 14 mm spanner, unscrew the valve head and remove it from its seat.



- 4 Utilising a Philips screwdriver, unscrew the screw on the head to remove the coil of the solenoid valve.



7.7 FLOWMETER AND NON-RETURN VALVE

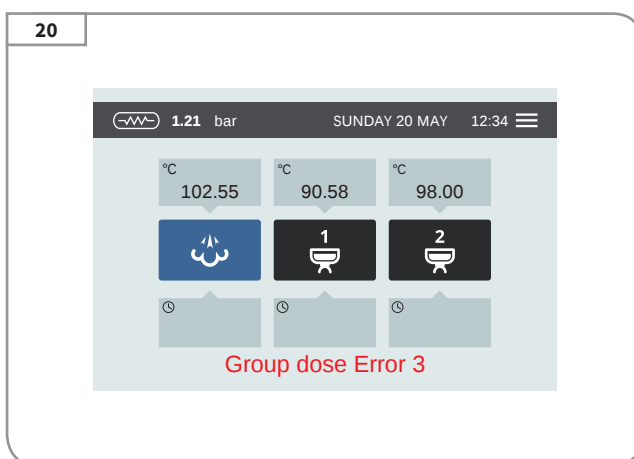
For each unit there is a flow meter, also called fan. The issues related to the flow meter are those that can be found when dosing coffee, therefore only when using the pre-set dosage buttons.

WHEN TO INTERVENE

The most common errors that you may encounter are:

- 1 Wires disconnected accidentally or unintentionally (e.g. after replacing a card).
- 2 There are impurities in the filter at the entrance of the fan.
- 3 The coil of the magnetic sensor has deteriorated and no longer reads the values correctly.
- 4 The non-return valve is blocked.
- 5 By pressing a button on one unit dispensing begins on another unit or on multiple units simultaneously.

If one of these cases occurs, pressing one of the settable buttons, the machine does not make coffee and does not stop (obstruction to the limit), or it can happen that the delivery does not stop as planned. In these cases the machine could signal an error with a message (e.g. Group doser error 3).



Moreover, the key pressed with the settable button will remain lit, while the continuous / stop key will flash to highlight a malfunction.

Even if the programmed doses do not work, the machine will always operate in semi-automatic mode using only the start/stop button until the arrival of the technician.

To verify that the fan is effectively locked you can:

- 1 Check function by measuring the voltage supplied to the control unit during a delivery.
- 2 Directly inspect the part.

HOW TO VERIFY THE SIGNAL OF THE FAN

To measure the signal it is necessary to access to the electronic board located on the left side.

- 1 Remove the left side panel as shown in Chapter 3.
- 2 Unscrew the screw to open the flap.

- 3 Access the board by loosening the top and bottom screws with a Phillips screwdriver.



- 4 With a multimeter measure the voltage alternating between the ends of the faulty dispenser (see figure). Place the test leads of the voltmeter at the terminals of the doser using the references in the image.

The signal generated by the fan is a square wave of about 5V.

If the dispenser is damaged we cannot read anything.

HOW TO REMOVE THE FAN

NOTE

The T3 version has a non-return valve (A) that is not available on the DIGIT version. To complete the information, let's take a look at the flowmeter of the T3 version.



WARNING

Empty the boiler before starting this operation.

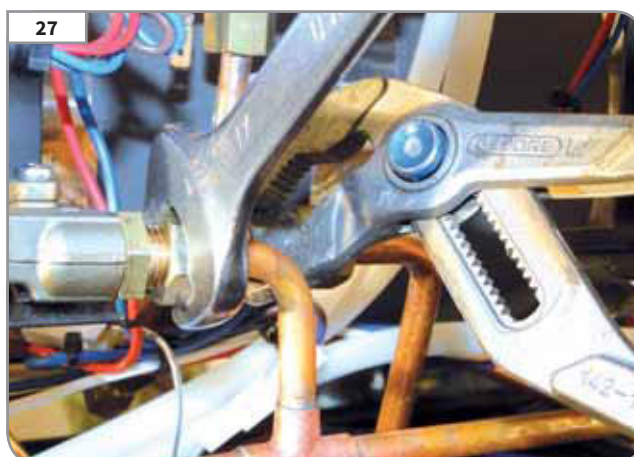
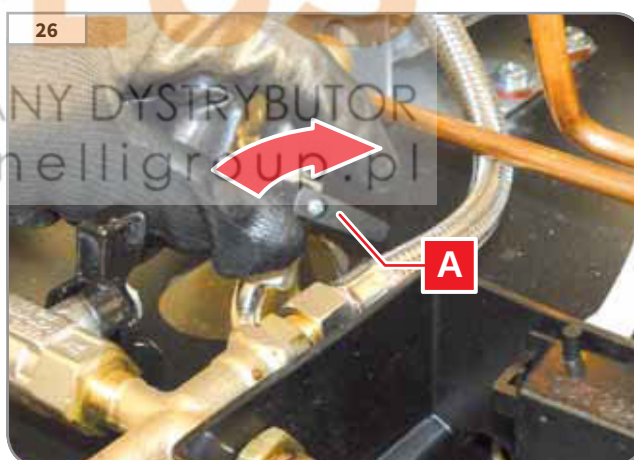
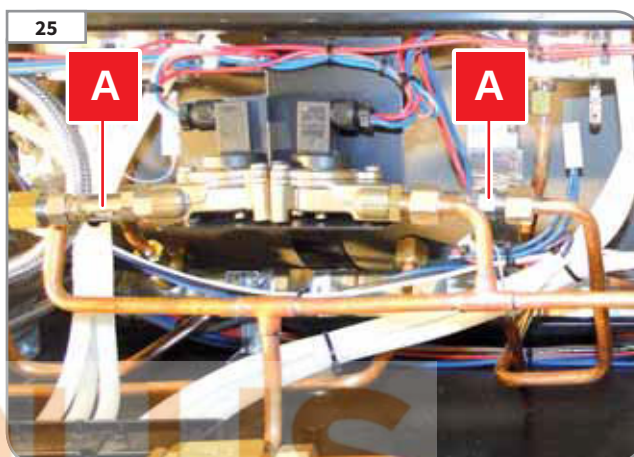
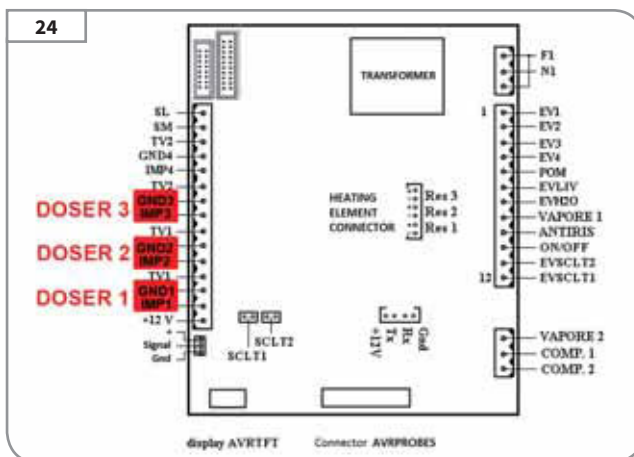
Operate as follows if it is necessary to inspect or remove the flowmeter:

- 1 Remove the work surface and the front part as described in chapter 3.
- 2 Close the water inlet tap (A) of the mains water supply.

NOTE

Position a cloth or absorbent paper underneath the small fan.

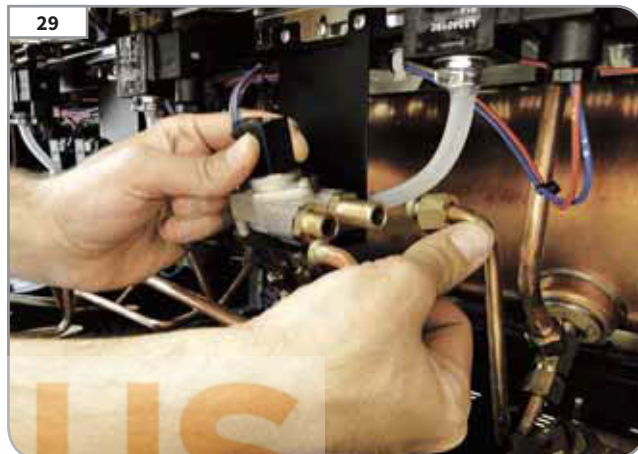
- 3 Utilising a 17 mm spanner, unscrew the unions of the copper pipes.



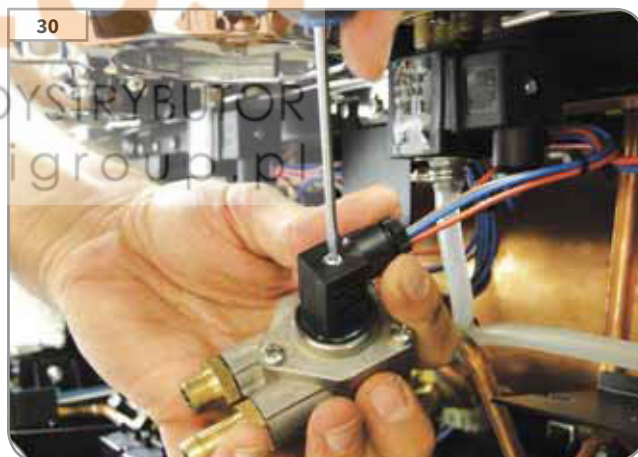
- 4 Utilising a 7 mm spanner, slacken the fixing screw of the small fan on the support.



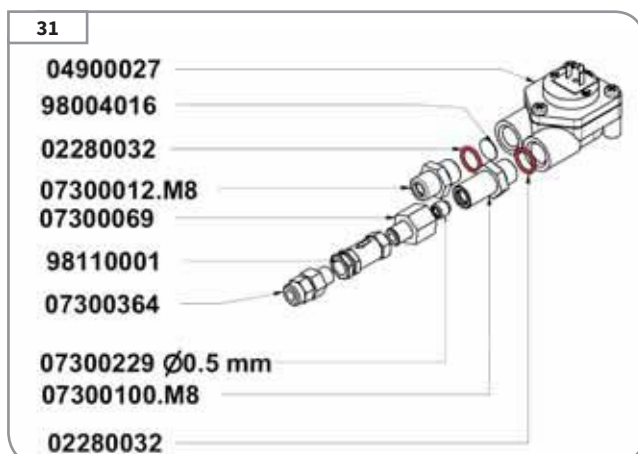
- 5 Utilise the ductability of the copper to remove the pipes from the small fan and remove the fan from its seat.



- 6 Utilising a Philips screwdriver, unscrew and remove the sensor feed.



The flowmeter is made of various parts, therefore it is good practice to substitute the gaskets each time it is completely inspected.



Check that there is no limestone in the fan input grid, unscrew the three screws that hold the cover and check that there is nothing to obstruct the regular operation.

To remove the filter, if it is particularly clogged, you can use a simple piece of wire to push the filter, if necessary even a common clip is sufficient.

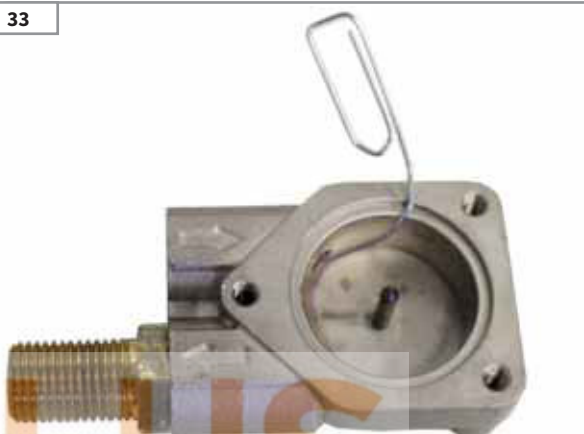
We recommend changing the valve located downstream of fan at least once a year. Attention must be given to the gigger at the exit from the fan: it can clog and affect the pre-infusion. To remove, clean or change it use an Allen wrench or a 4 mm hex screwdriver.

In Digit version the default gigger is 0.8 mm, instead in T³ version is 0.5 mm.

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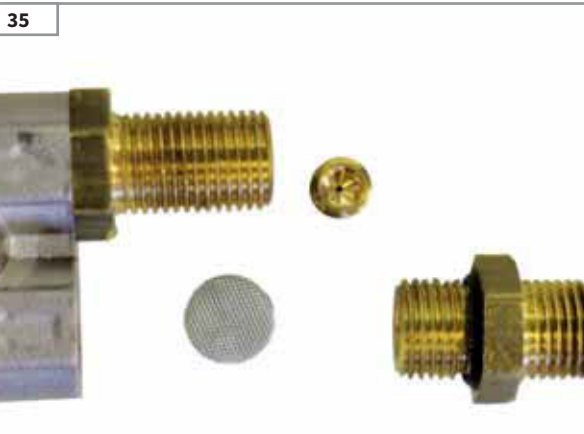
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7.8 HOT AND COLD WATER VALVE

The **Aurelia Wave** standard version is provided with a hot water tap with adjustable mixer.

In this way the outlet water temperature can be lowered by mixing water from the heater with water from the network, thus reducing the levy in the heater and consequently saving on heating. For this reason it is commonly called economizer of hot water.

HOW TO ADJUST THE TEMPERATURE

To adjust the temperature, simply use a flat screwdriver while the water is running.

To reduce the temperature, rotate the screw positioned on the left side of the cup warming tray in an anticlockwise direction. To increase the temperature, turn the screw in a clockwise direction.

WHEN TO INTERVENE

Problems that can be encountered in the economizing unit are:

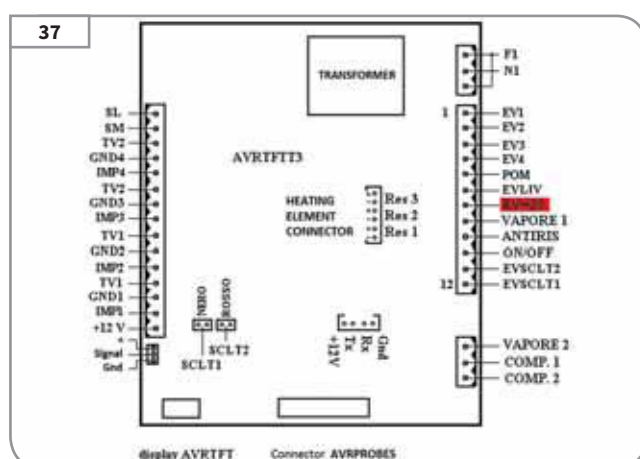
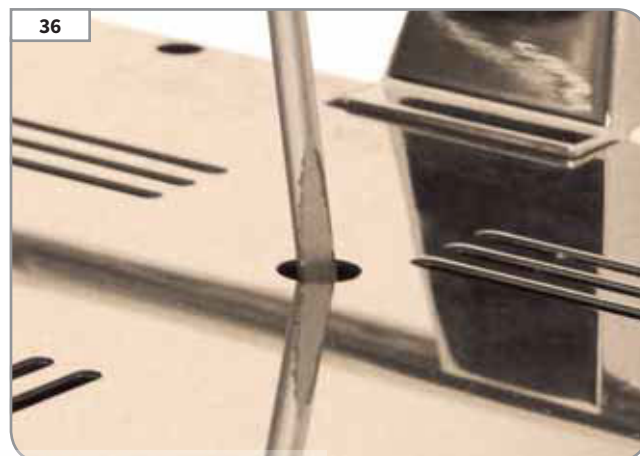
- 1 Failure to deliver water.
- 2 Delivers only hot or only cold water.
- 3 Continuous dripping.
- 4 Erroneous programming.

Cases **1, 2 e 3** are due to malfunction of the valves so you need to access them and verify that they are working properly.

The valve may stop operating due to electrical problems or is not working properly due to obstructions for example caused by pieces of limestone that detach from the heater and clog the valve.

If both valves do not work and the classic opening and closing noise is not heard, there could be a problem with the relay in the electronic board, therefore it is necessary to directly measure the voltage with a voltmeter while water is being dispensed.

Position the tip at the point shown in the figure during delivery, considering that the hot water and cold water valves are parallel, simply verify the operation of this relay to check both valves.



HOW TO ACCESS THE VALVES

To safely access the valves it is necessary to:

- 1 Open the steam taps until all the steam is released.

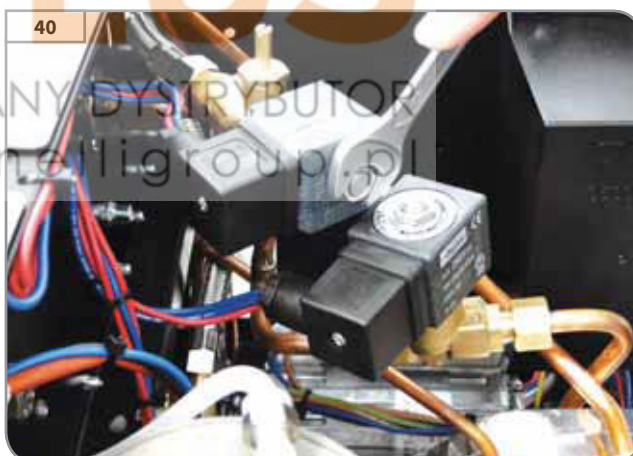
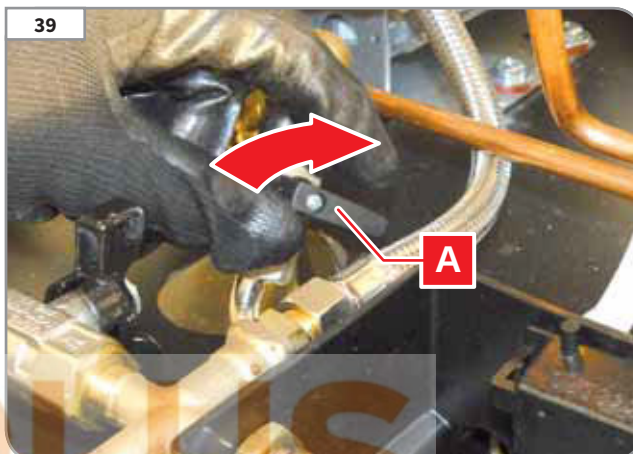
NOTE

It is not possible to operate with pressure in the heater.

- 2 Turn off and disconnect the power to the machine.
- 3 As indicated in Chapter 3:
 - Remove the first cup warming module to the left;
 - Disconnect the power supply of the cup warmer;
 - Remove the probe;
 - Remove the work surface and front part.
- 4 Close the water inlet **(A)** near to the pump.

- 5 Remove the nut that holds the head of the coil using a 14 mm wrench.

- 6 Turn and loosen the head that feeds it.



- 7 Place absorbent material (e.g. Paper) to prevent leaks from affecting the motor or the circuit board and unscrew the moving part of the electronic valve using a 24 mm wrench.

- 8 Check the spring is working properly and that the inner cylinder is clean. Replace the valve completely, if there is nothing visible that affects its use.

COLD WATER VALVE

The same procedure also applies for the cold water valve. In this case, since it is connected with a tap it may be necessary to replace the whole part.

7.9 THE PROPORTIONAL VALVE (OPTIONAL)

If installed, the proportional valve **(A)** allow to SET 3 delivery temperatures for hot water. Is an additional valve to the standard water valve **(B)**.



It receive the hot water from the boiler (and from the standard valve) and cold water from the mains, to create an hot water temperature mixes.

The temperature is managed by a probe **(C)**, positioned above the wand.

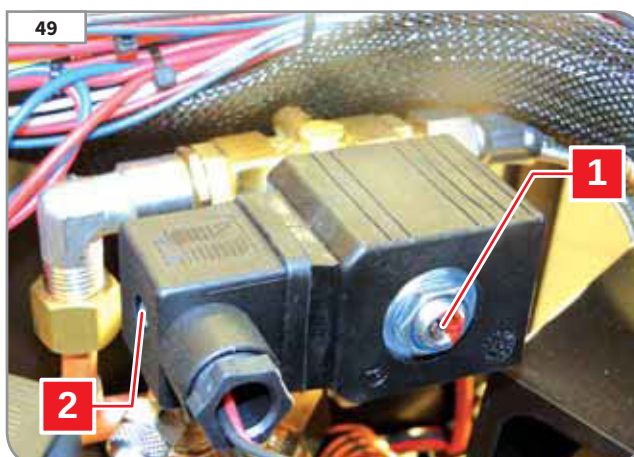
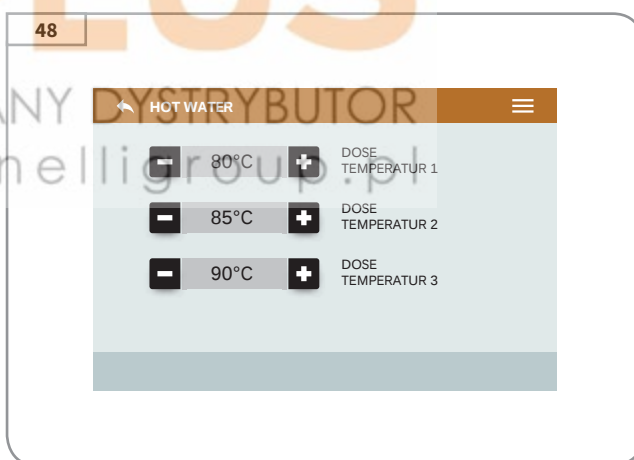
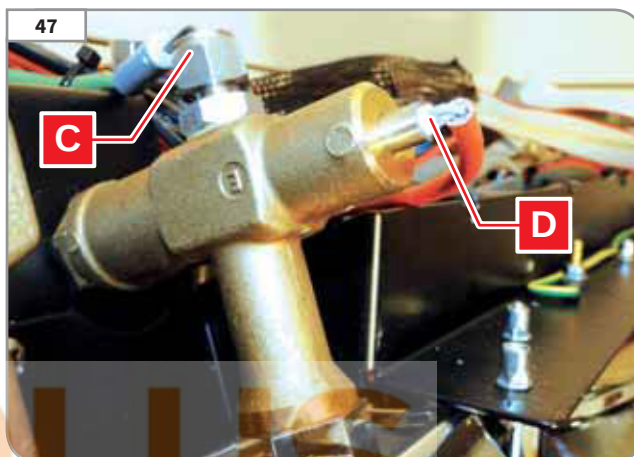
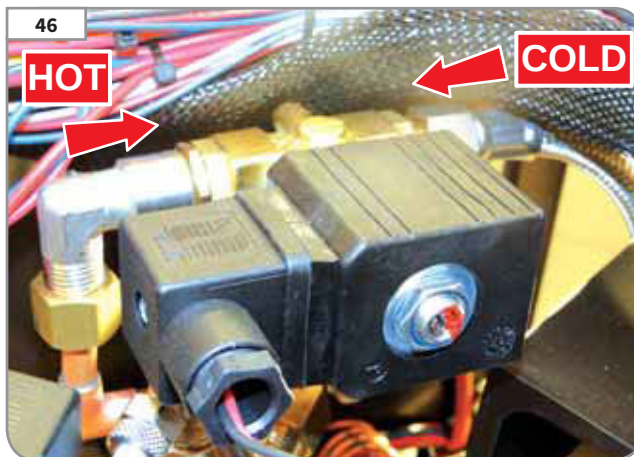
There is also an heat element **(D)** to avoid heat loss.

NOTE

If present, the proportional valve must be activated in the optional configuration and then, is abilitated the temperature settings for the hot water.

HOW TO REMOVE

- 1 Remove the nut that holds the head of the coil using a 14 mm wrench.
- 2 Turn and loosen the screw to remove the head of the valve.



- 3 Remove the screw under the heat element (front of the machine) with a 2,5 mm Allen key.
- 4 Slide out the heat element.

- 5 Remove the temperature probe using a 12 mm wrench.

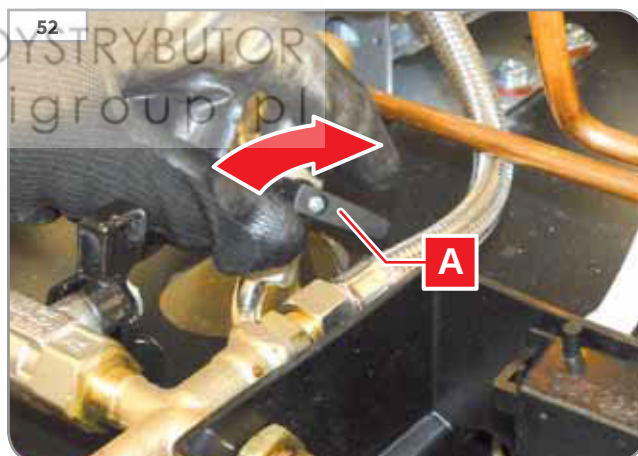
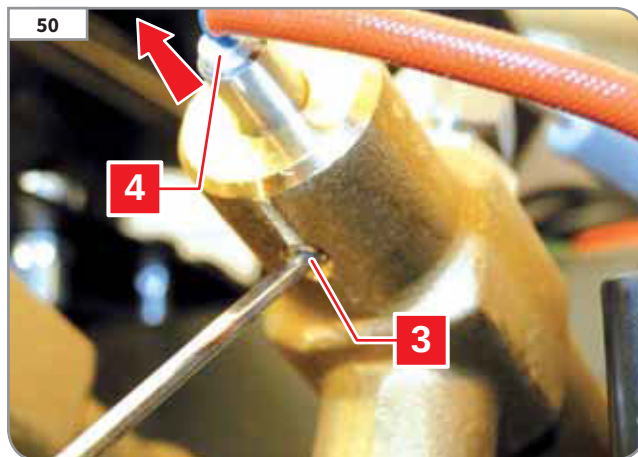
7.10 REMOVAL OF THE STEAM/HOT WATER WAND



WARNING

Empty the steam boiler by lowering pressure before starting this operation.

- 1 Remove the side and front panel as described in Chapter 3.
- 2 Close the water inlet tap **(A)** of the mains water supply.
- 3 If present, slide out the steam sensor.



- 4 Utilising a 20 mm spanner, block the rear counternut of the steam/hot water wand.
- 5 Utilising a 23 mm spanner, unscrew the front fixing nut of the wand and remove by pulling it towards the front part of the machine.

NOTE

During the assembly phase, pay particular attention to correctly position the rubber gasket.

7.11 STEAM NOZZLE

The steam nozzle is composed of a piston actuated by the knob, which presses on a nut with spring return. By pressing against the spring it creates space for the steam to pass.

We suggest to replace the seals that keep the piston perfectly aligned, every 4-6 months. Each year it is recommended to substitute the nut to avoid that the gasket that isolates the steam loses elasticity and steam then leaks out. Since these parts must be changed, we suggest replacing all the seals simultaneously.

WHEN TO INTERVENE

Problems related to the steam nozzle are:

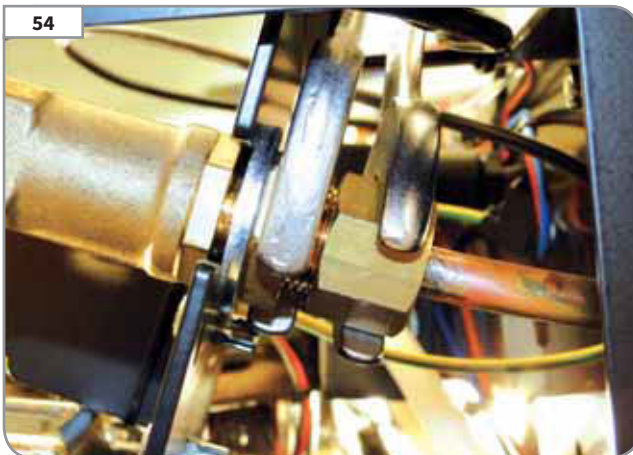
- Continuous loss of steam.
- Water dripping from the steam nozzle.
- Delayed closure.
- Steam lever too loose.



DANGER

Before proceeding with the operations described in the chapter make sure that the machine is turned off and unplugged from the mains. Discharge any residual pressure present in the steam heater.

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DANGER

If there is a loss of vapour or condensation, it is necessary to:

1 Turn the machine off, let out all the steam until there is no pressure in the heater.

2 Remove the side panel and the bottom cover as described in Chapter 3.

3 Slide out the sensor from the steam lever.

4 Utilising a 3 mm Allen key, unscrew the indicated screw.

5 Remove the steam lever.

6 Using a 20 mm wrench, block the rear counternut to the steam wand, and using a 22 mm unscrew the nut that hold the steam nozzle to the machine.



NOTE

The machine can be supplied with an optional "Cool Touch" wand.

- 7 To access the internal Teflon pipe for substitution, utilise a 9 mm spanner to block the upper part of the wand and rotate it in an anticlockwise direction.

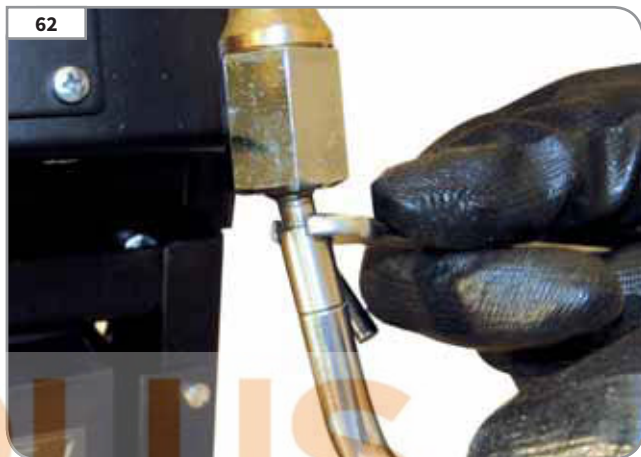
- 8 To remove the dispensing nozzle it is sufficient to unscrew the lower part of the nozzle by hand.

NOTE

We suggest an annual replacement of the O-ring that holds the seal.

To carry out repairs and maintenance once the steam nozzle is removed we can proceed with the following steps:

- 1 Remove the piston which is actuated by the lever. The seals that make it slide in its housing tend to wear out and must be replaced depending on the use or every 4-6 months.



- 2 Using a 22 mm wrench remove the steam nozzle from its housing. We recommend replacing the seal at least once a year.

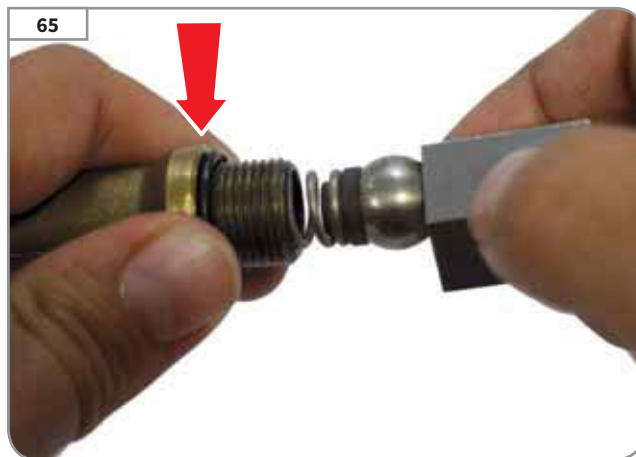
- 3 Unscrew the fitting with a 21 mm wrench to reach the spring. We recommend replacing the seal at least once a year.

- 4 Remove the steam piston behind the spring. We recommend replacing the piston at least once a year.

The steam nozzle in its simplicity has components that must be replaced annually or periodically due to wear.

We recommend substituting:

- The seals of the piston (code 02280014) every 4-6 months, to avoid misalignment.
- The seals of the lever block (02280037) and connection to the heater (02280011).
- The internal piston (98008004).



REASSEMBLY

During the reassembly phase it is important to lubricate the seals of the piston in contact with the lever, to ensure fluid movement inside the housing.

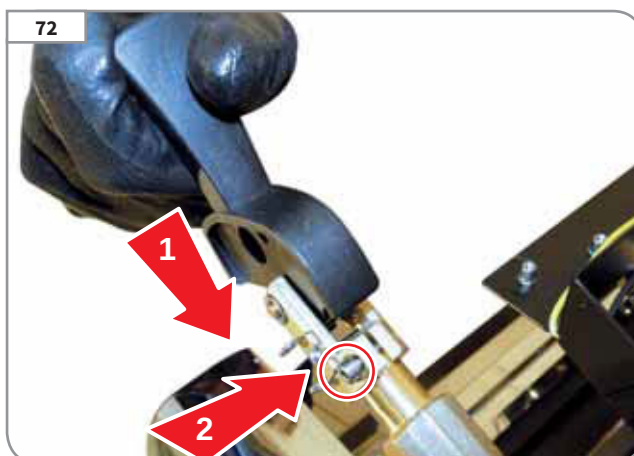
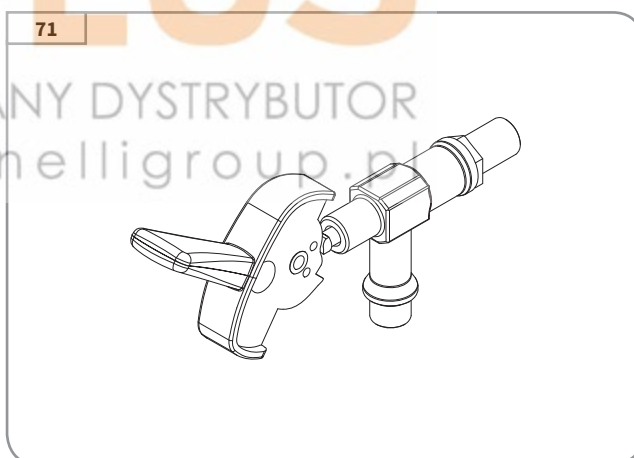
Rotating the lever, check that there is lubricant along the complete travel of the internal piston.

The correct position of the lever with respect to the piston is shown in the picture and is the groove in the middle of the lever.

When fixing the screw that holds the lever on the stream nozzle it is necessary to:

- 1 Lightly press the lever.
- 2 Pull the screw with a 3 mm Allen wrench keeping the lever pressed.

In this way there is a perfect balance between a steam nozzle that is excessively soft and one that is rigid.





WARNING

This operation is carried out with the machine switched on so as to perfectly fine tune the steam lever.

7.11.1 EASY CREAM (OPTIONAL)

If present, the Easy Cream wand need to be regulated.

NOTE

This regulation can be performed without opening the body machine.

At first installation or when is reassembled:

- 1 Loosen the fixing ring nut **(A)**.
- 2 Open the tap **(B)** completely by turning the screw anti-clockwise.
- 3 Adjust the tap **(B)** closing by turning it clockwise 1/8 of a turn at a time.
- 4 After adjustment, tighten the fixing ring nut.

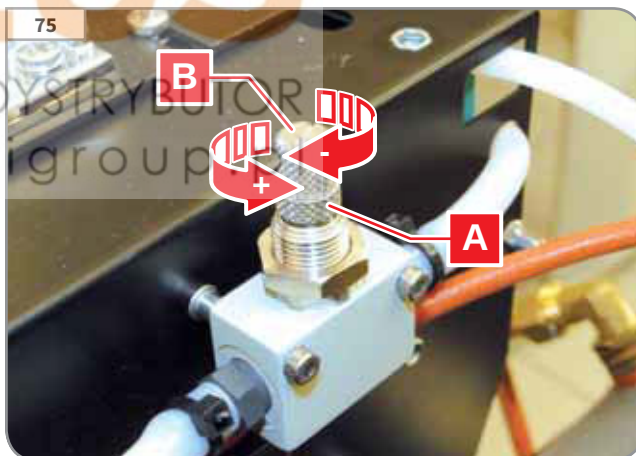
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7.12 SMART WATER BOX (OPTIONAL)

If installed, the Smart Water Box allow to check the conductivity, the temperature and the pH of the inlet water from the mains.

The kit is composed by:

- The box, with fittings and electronic board.
- The conductivity probe.
- The pH probe.
- A washer
- A 90° fitting.
- An exagonal key.

NOTE

The probes have 1 year of life, after that they need to be replaced to ensure the correct functioning.



WARNING

The probes must always stay in a wet place, otherwise they will be damaged.

In the machine has to be moved to another installation, a recirculation of liquid has to be insured. Connect the inlet "IN" and "OUT" fitting setting water in one of the pipes.

HOW TO INSTALL

- 1 Open the box.

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- 2 Take the connection of the probes and pass them from the rubber hole in the box.

- 3 Connect the probe to the electric board:

A ph

B Temperature (TEMP)

C Conductivity (COND)

NOTE

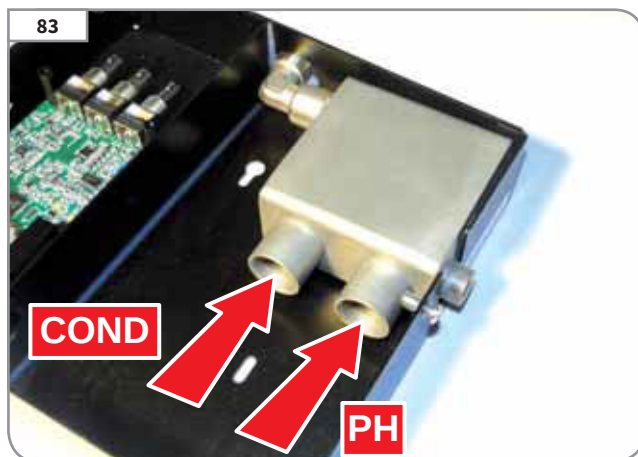
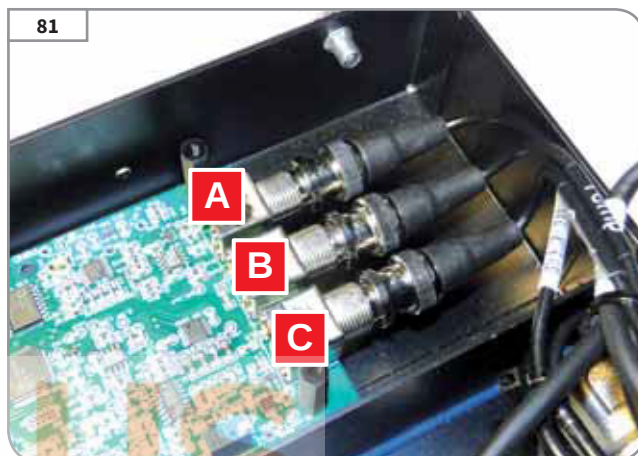
On the probes cables there are labels to avoid connection errors.

- 4 Slide out the caps from the probes.

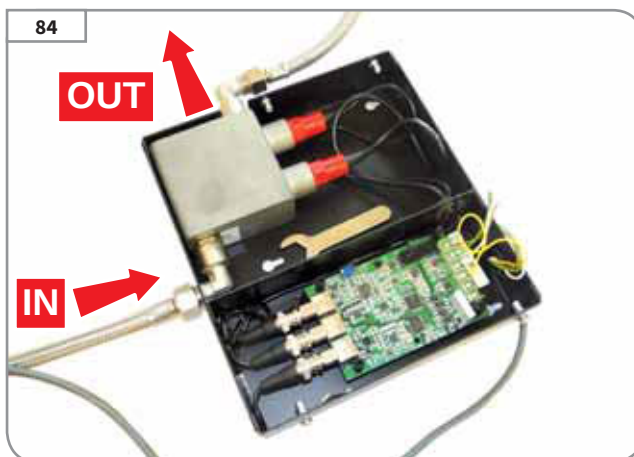
- 5 Connect the probes into the internal fitting, in the box.

NOTE

Follow the labels on the probes cables to avoid connection error.

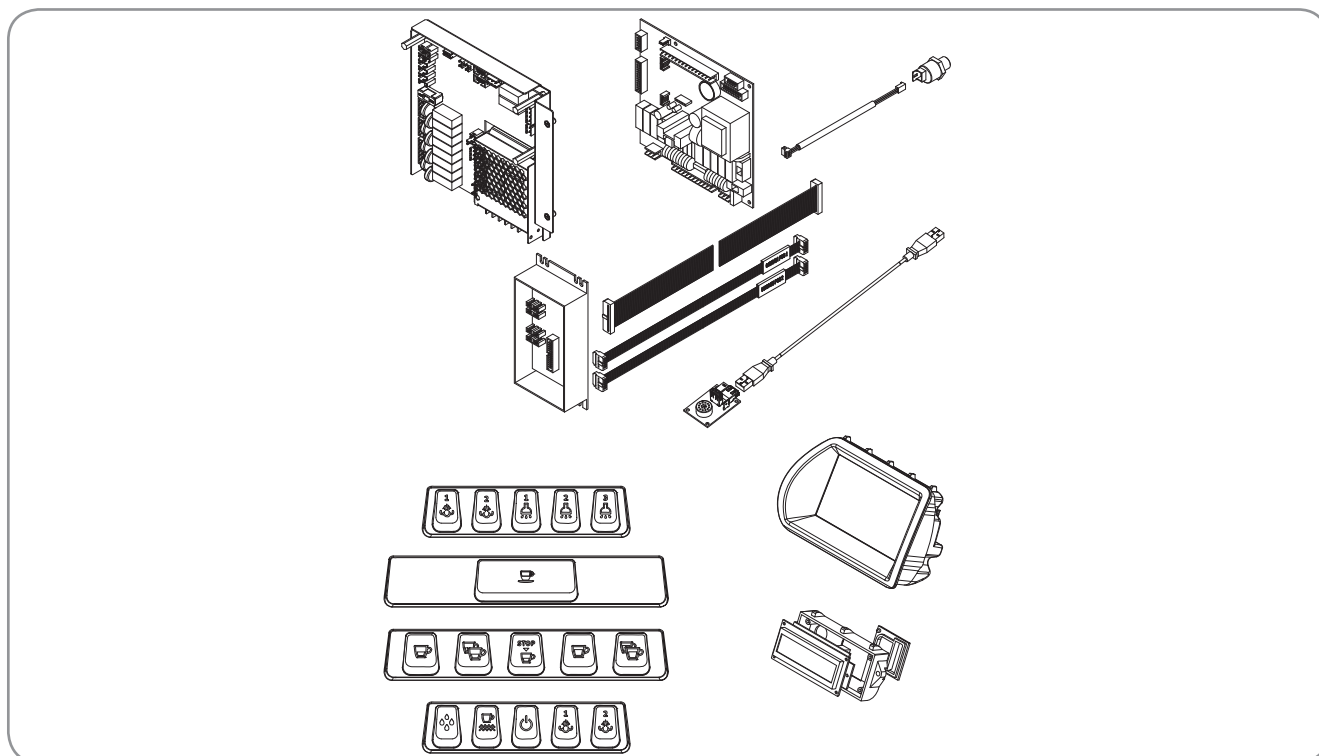


- 6 Install the washer and the 90° fitting to the "OUT" connection.
- 7 Connect the water pipes:
IN: from main to box.
OUT: from box to the machine.



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8. ELECTRIC COMPONENTS



8

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8.9 MACHINE CONFIGURATION	8.15

TOOLS NEEDED:



8.1 CONTROL UNIT

To access the main board it is necessary to:

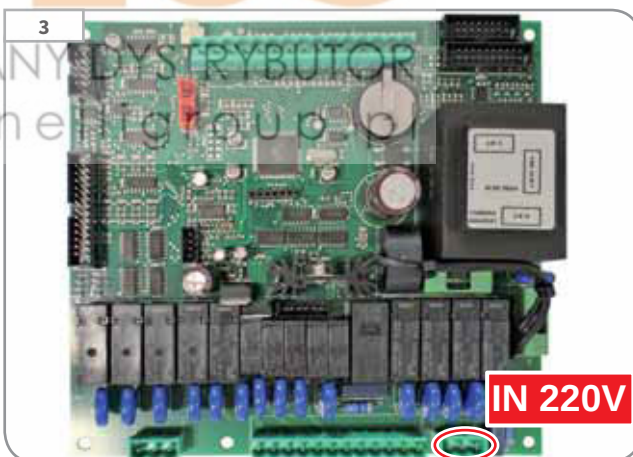
- 1 Remove the left side panel as shown in Chapter 3.
- 2 Remove the screw that holds the door closed using a Phillips screwdriver.
- 3 Loosen the two top and bottom screws with a screwdriver and remove the cover.



The control unit without connections appears as shown in the figure.

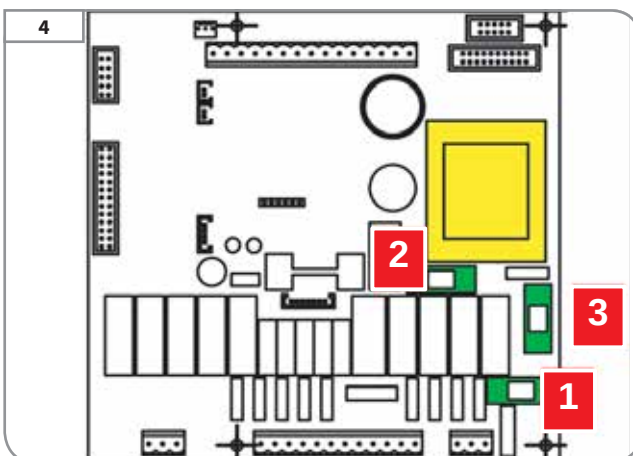
The 3 volt battery type CR2032 is needed to store meter and date / time information.

Analysing the various parts.



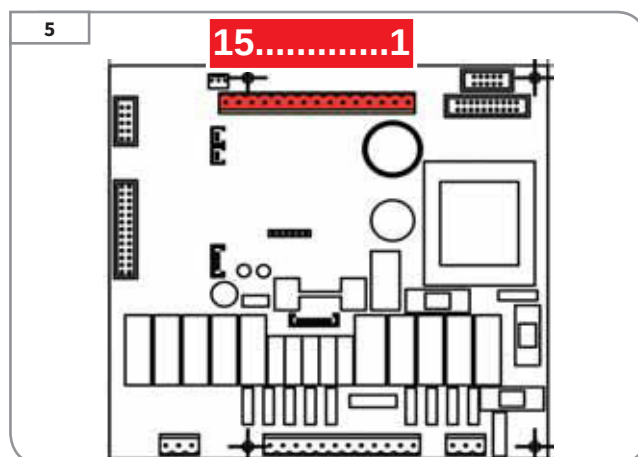
The transformer and fuses are located on the right side. The fuses are:

- 1 5 Ampere: relay fuse.
- 2 1 Ampere: fuse downstream of the transformer (abnormal absorption on the secondary of the transformer).
- 3 160 mAmpere: transformer input fuse.

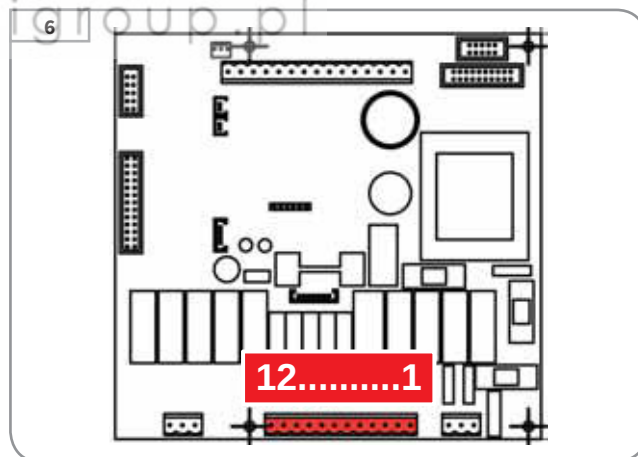


Connections that are at the top are used to connect the fans and the temperature probes for the steam nozzles.

PIN	CODE	COLOUR	DESCRIPTION	CABLE
1	SL	Red	Level probe	1
2	SM	Yellow Green	Level probe mass	2
3	TV2	Black	Right steam probe	ND
4	GND4			
5	IMP4			
6	TV2	White	Right steam probe	ND
7	GND3	Blue	-	7
8	IMP3	Brown	Dispenser 3 impulses	8
9	TV1	Black	Left steam probe	ND
10	GND2	Blue	-	10
11	IMP2	Grey	Dispenser 2 impulses	11
12	TV1	White	Left steam valve	ND
13	GND1	Blue	-	13
14	IMP1	White	Dispenser 1 impulses	14
15	+12V	Red	+	15



PIN	CODE	COLOUR	DESCRIPTION	CABLE
1	EV1	Red	1 gr coffee valve relay	00
2	EV2	Red	2 gr coffee valve relay	11
3	EV3	Red	3 gr coffee valve relay	22
4	EV4	Red	4 gr coffee valve relay	ND
5	POM	Red	Pump relay	44
6	EVLIV	Red	Auto level valve relay	55
7	EVH2O	Red	Hot water valve relay	66
8	STEAM1	Red	Left steam valve	V1
9	ANTIRIS	Red		
10	ON/OFF	Red	Meter relay	88
11	EVSCLT2	Red		ND
12	EVSCLT1	Red	Cup warmer 1	77



EXTRA STEAM NOZZLE:

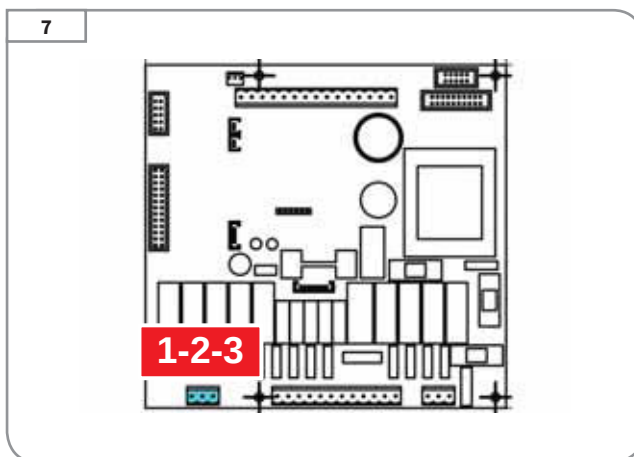
If automatic lances nozzles are installed such as Autosteam or Easycream extra wiring is added which is connected as shown in the next image.

The connector feeds the compressors and valves:

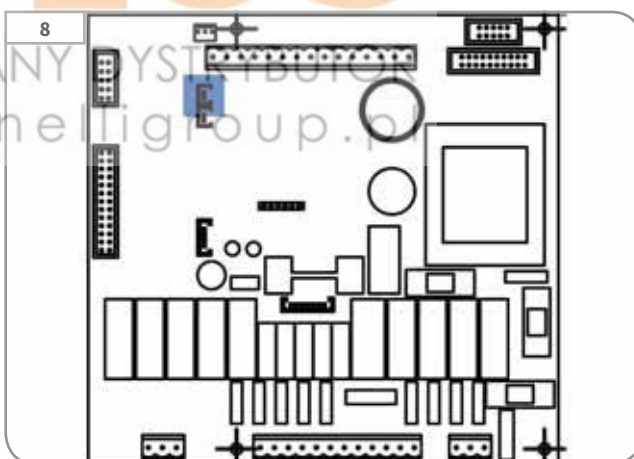
- 1 Right compressor (cable 15).
- 2 Left compressor.
- 3 Right steam solenoid (cable 13).

The left steam solenoid instead is fed from position 5 of the lower row.

If only a single steam nozzle is used the other will be covered with heat shrink wrap.



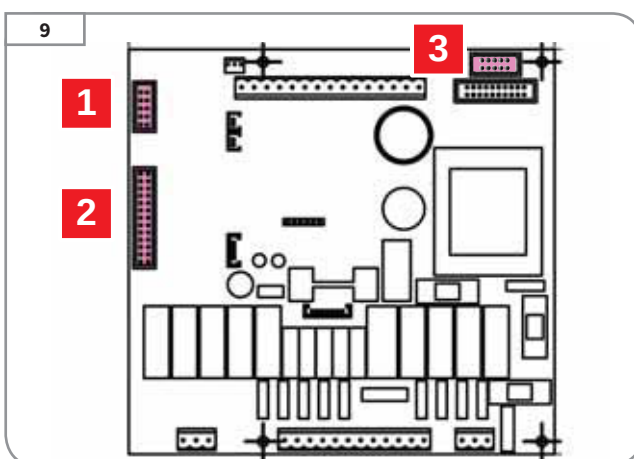
The cup warmer probe is connected on the pin shown in the figure.



The digital pressure switch is connected by means of three coloured cables from left to right in this manner:

- 1 Black
- 2 White
- 3 Red

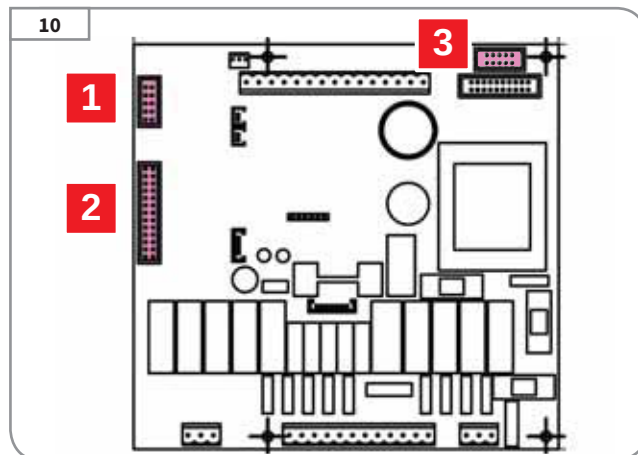
Measuring the voltage between black and white will give the reading for the pressure switch with values ranging up to about 4V.



The flat cables that are located on the left side of the board are respectively:

- 1 Connection of the control unit with the data collector probes.
- 2 Connection with the control unit of the screen.
- 3 Connection to the units' screens.

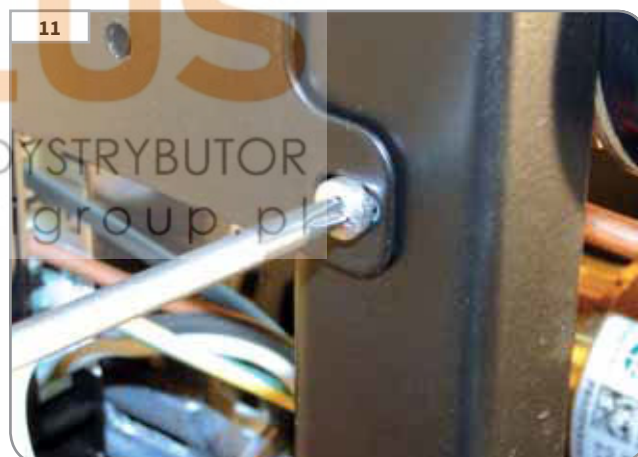
The central unit manages the logic, enables the dispensing of power and the valves. The central unit of the screen memorises user settings, such as doses, alarms, temperature settings, etc..



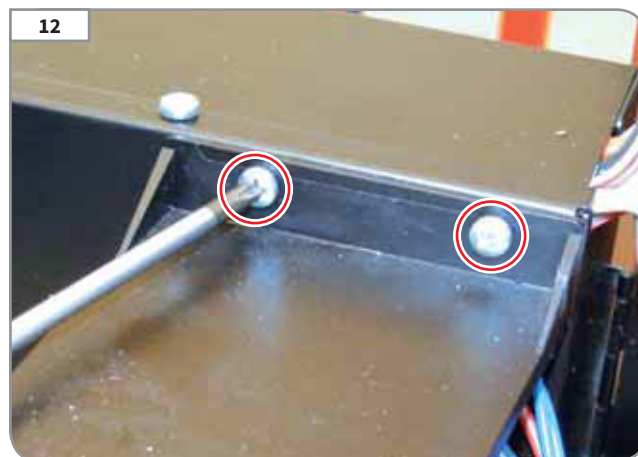
8.2 THE CONTACTOR

To access the meter:

- 1 Remove the left side panel as shown in chapter 3.
- 2 Remove the screw that holds the door closed using a Phillips screwdriver.



- 3 Remove the cover of the contactor by removing the two screws with a Phillips screwdriver.



The contactor is a relay that supplies power to the heating elements of the machine.

Then interrupt the neutral and the three phases and the enabling is established by the control unit.

In fact, when the machine is switched on, the water level is controlled and, after the positive results, the contactor is enabled by the control unit.

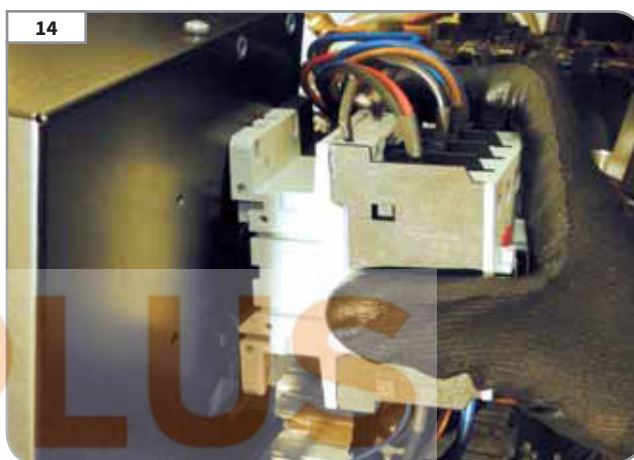
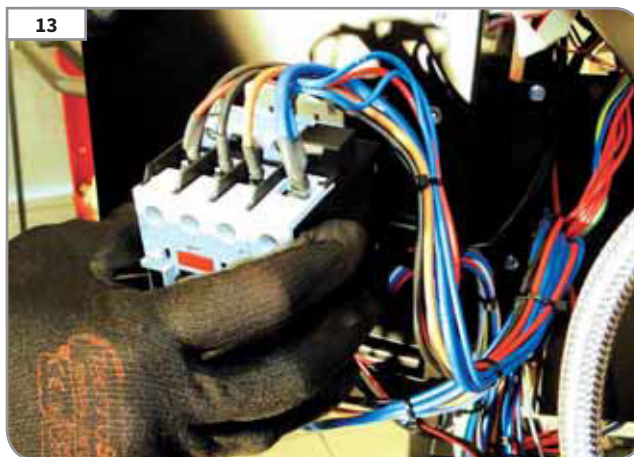
PROBLEMS

Normally, the contactor makes a characteristic noise when it closes the circuit, so if you cannot hear the typical noise it is possible that the problem is upstream (probe level) or with the contactor itself.

REPLACEMENT

To replace the contactor, simply remove the element from the side and unplug all the cables with the help of a Phillips screwdriver.

Insert the new contactor in the upper guide, pressing it into the lower guide until a click is heard.



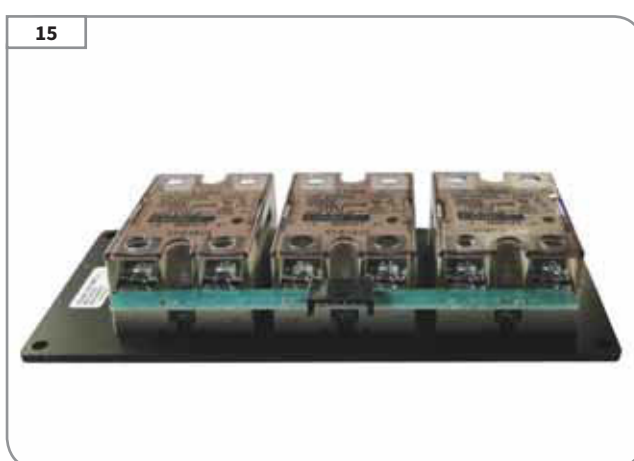
8.3 STATIC RELAYS

Both versions (DIGIT/T3) of the machine are equipped with static relays to control the steam boiler.

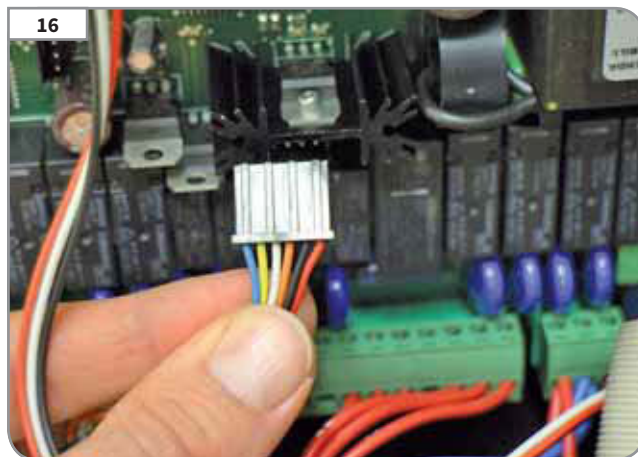
The T3 version is also equipped with static relays to control the temperature of the coffee boilers.

The three relays of the steam heater are activated when the pressure switch detects a pressure lower than that set.

Each relay manages a different phase and the voltage availability is enabled by a contactor. The switch on/switch off command is piloted by the central unit. The upper connections are those of the phases, the lower ones the commands of the relay.



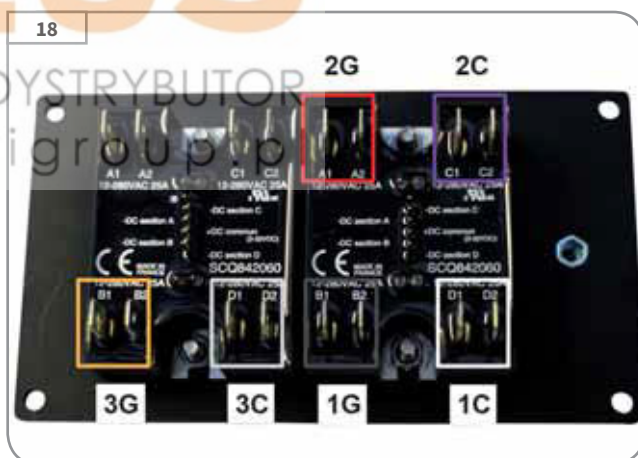
The three relays are connected in the control unit with a single connector.



The operation is checked by means of LEDs that light up in the heating phase of the machine. To test simply let out a lot of steam from a steam nozzle until the heating element starts again. Optimum operation will be when impulses are spaced at varying intervals.

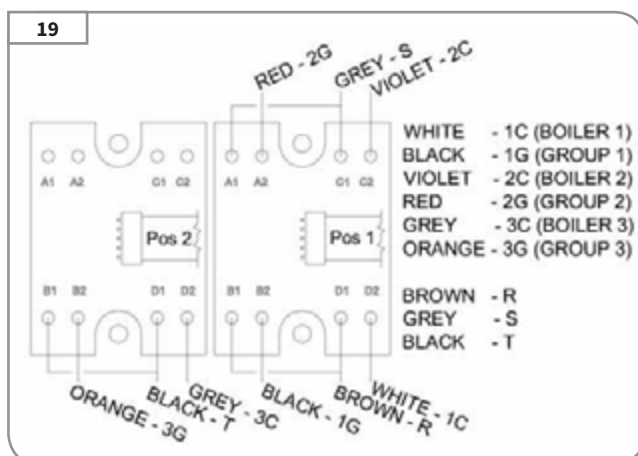


The relay of the units and coffee heaters are in divided in pairs as shown in the figure. C1 and G1 are Heater 1 and Unit 1, etc..



Each time the probes detect the need to heat a specific heater or a unit, a LED will light up at the side activated.

The configuration of the cables is also present in the relays protection box.



This way it is possible to know and understand if there are problems in the relay or in the probe.

Example:

- 1 The sensor does not read values, but the boiler/unit is active: The problem is in the sensor.
- 2 The relay is energised but the corresponding boiler/unit does not heat up: problems with the heating element.
- 3 A request has been made to manually reset a unit: the relative relay is stuck in the ON state.

The static relays in fact can be damaged in ON or OFF status thereby giving rise to disruptions that are easy to understand thanks to the lights that identify the operation.

In the machine with 3 units each phase is intended to supply a unit independently. Each phase feeds both a unit and the corresponding coffee heater. The relays are fed starting from the relay phases of the heating element of the steam boiler.

The units/heaters relays are driven by addresses managed with flat cables that go from the data collector to the relay block. Each cable can manage 2 heaters and 2 units, therefore the 3 units machine will have 2 cables.

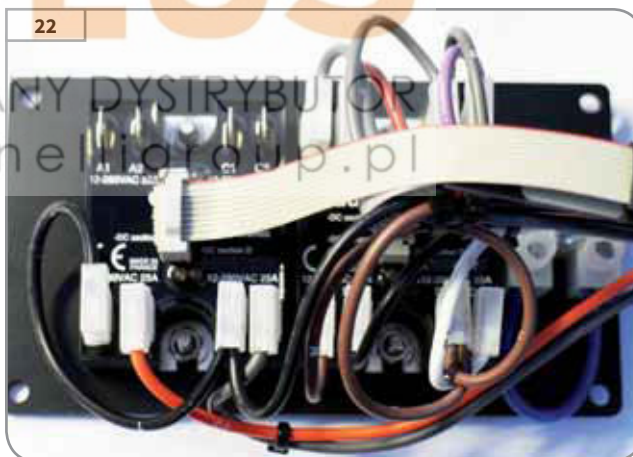
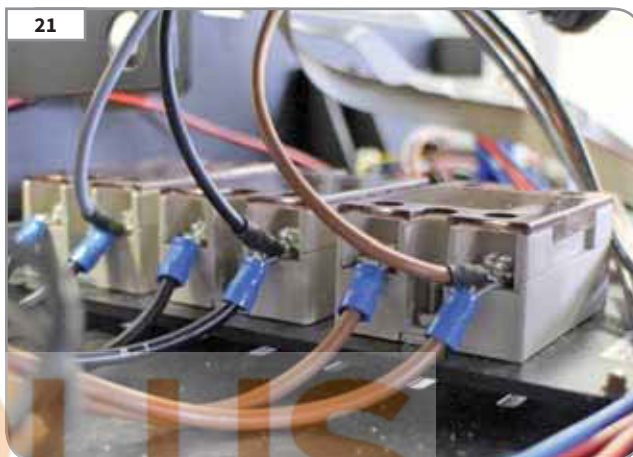
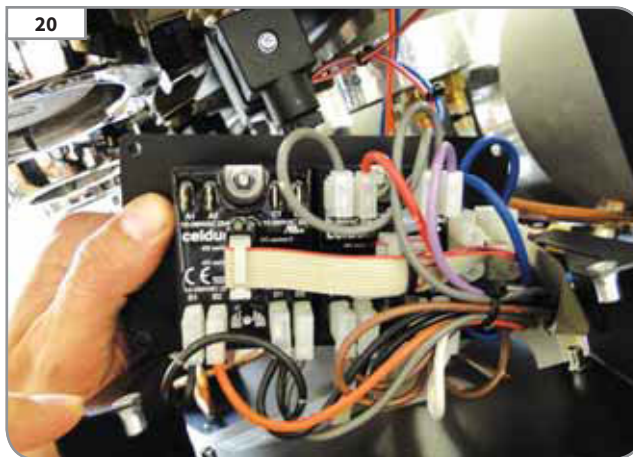
NOTE

The blocks are not invertible in any way since addressed individually. If one of the relays has jumped the entire set of 4 relays must be replaced.

8.4 ACCESS TO THE STATIC RELAYS AND THE SENSOR CARD

To access the data collector, it is necessary to:

- 1 Remove the right side panel and the front panel as described in Chapter 3.
- 2 Unscrew the two screws of the data collector cover to access the sensor card.

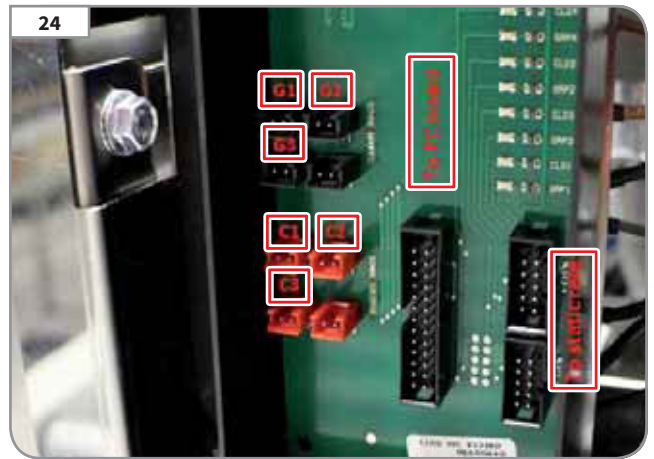


The collector has a large flat cable which connects the manifold to the control unit and one (machine with 2 units) or two flat cables (machine with 3 units) to communicate with the static relays of the coffee heaters and units. All sensors of the units/boilers are connected here utilising extension cables.

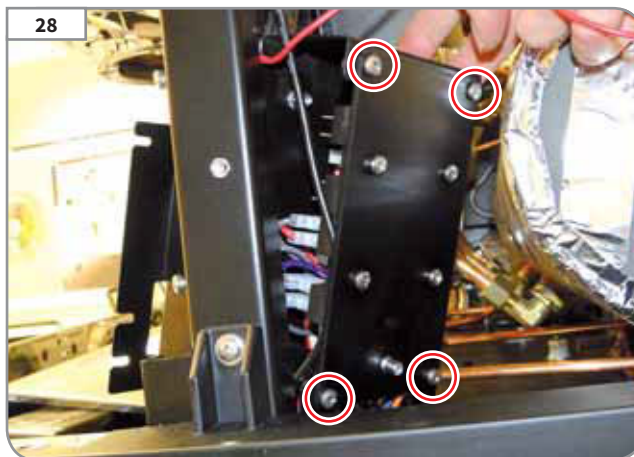
Each probe has a label which identifies it. When a relay is activated a green light appears at the top right that identifies the active resistor. For example in the picture the heating elements of units 1, 2 and 3 are active.

To access the relay units and heaters:

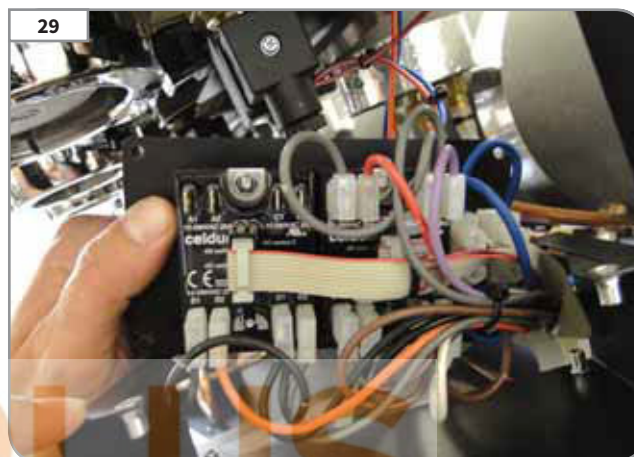
- 1 Remove the right front panel and the front panel, as explained in Chapter 3.
- 2 Utilising a Philips screwdriver, remove the two fixing screws that fix the relay box to the machine's frame.
- 3 Take out the front panel toward the machine front side.



- 4 Utilising a Philips screwdriver, remove the 4 fixing screws that fix the relay card to the box.

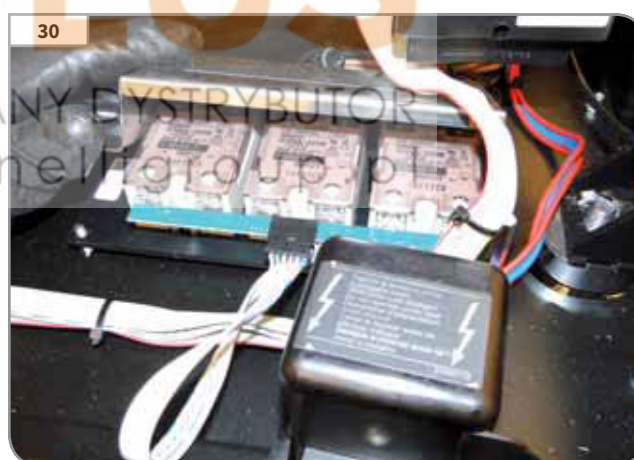


- 5 Remove the card to gain access to the individual relays.



To access the steam boiler relays:

- 1 Remove the work surface and front panel (see section 3).
- 2 Utilizing a 6 mm spanner, remove the screws of the cover.



Utilising a small screwdriver, remove the two screws that fix the plate to the rest of the machine so as to access the steam boiler heating element relays.



8.5 ACCESS AND REPLACEMENT OF THE DIGITAL PRESSURE GAUGE

To access the digital pressure switch, remove the worktop and front panel as described in Chapter 3.

At this point the pressure switch is perfectly visible, it is fixed to the frame on the side of the machine.

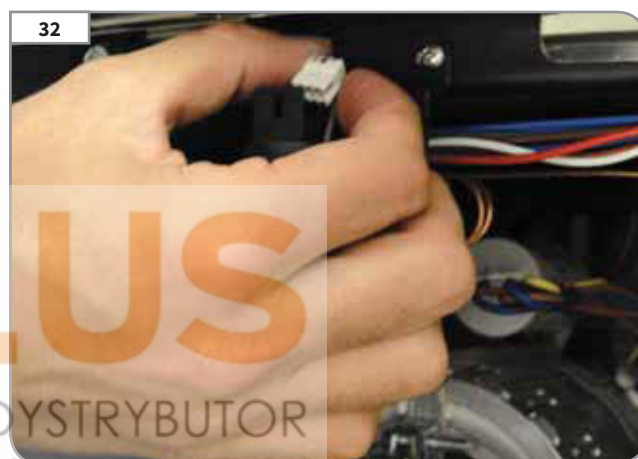
The values that the pressure switch reads can be measured with a voltmeter in DC volts measurements. Put the test leads between the black cable and the white one to read the voltage variation comprised in a range between 0.6V and 4V.

WHEN TO REPLACE THE DIGITAL PRESSURE SWITCH

If the values are very different it is necessary to replace the pressure switch which is now damaged. Normally errors are detected and displayed and machine operation stopped.

To remove the pressure switch:

- 1 Disconnect the motor.
- 2 Utilising a 13 mm spanner, block the capillary pipe **(A)** that feeds pressure to the sensor.
- 3 Unscrew the pressure gauge **(B)** utilising a 22 mm spanner.



8.6 SUBSTITUTION OF THE TOUCH SCREEN AND STEAM/WATER KEYS

To substitute the display screen operate as follows:

- 1 Turn the machine off at the main switch. Remove the display and the cover as described in Chapter 3.
- 2 Disconnect every connections.
- 3 Remove the electronic card by unscrew the 4 fixing screw.
- 4 Remove the 4 fixing screws of the display with a Phillips screwdriver.



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8.7 SUBSTITUTION OF THE KEYPAD AND THE UNIT SCREENS

- 1 Remove the display panel as described in Chapter 3.
- 2 Disconnect the cable connected to the screen.

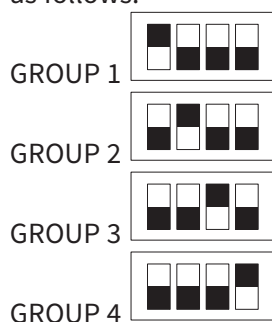
- 3 Disconnect the cable connected to the keypad.

NOTE

The keypads of the various units are connected to the same flat cable. Therefore each unit has a univocal address that is set by utilising the DIP switch.

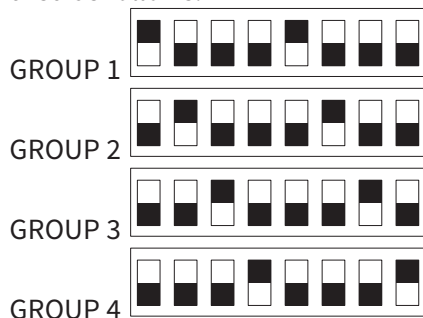
- 4 Utilising a 2,5 mm Allen key, remove the two screws that hold the keypad in place and substitute it with a new keypad.

For screens there are 4 pins that must be configured as follows:



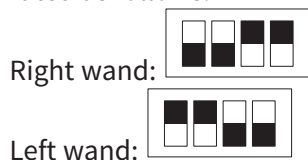
When a block is replaced it is necessary to reset the pins with the same configuration.

For keyboards there are 8 pins that must be configured as follows:



The image seen here is utilised only as an example.

Steam keyboards have 4 pins that must be configured as follows:



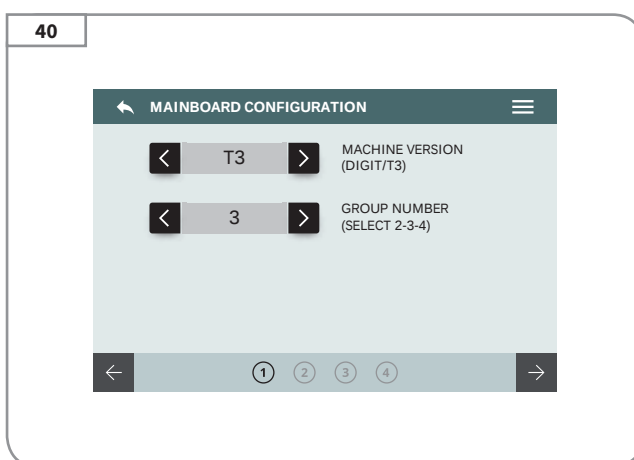
WHEN TO CHECK THE KEYBOARDS

- Two units deliver by pressing only one button (check the pins and the flat cable).
- Some keys do not work anymore (replaced due to wear).
- All buttons do not work (before replacing check the connection of the flat cable).

8.8 MACHINE CONFIGURATION

The control units are the same for all versions (2-3 units, automatic/manual steam nozzle, etc.), so when you change one of them you must set the parameters that characterize the machine.

Through the interface it is possible to configure the type of machine: DIGIT/T3, number of units, steam nozzles, etc., as described in Chapter 9.



8.9 FIRMWARE COMPATIBILITY

		TFT			
		1.10	1.12	1.12	1.20
Main Board SW Central unit	1.10	✓			
	1.13	✓	✓		
	1.14	✓	✓	✓	
	1.20	✓	✓	✓	✓

NOTE

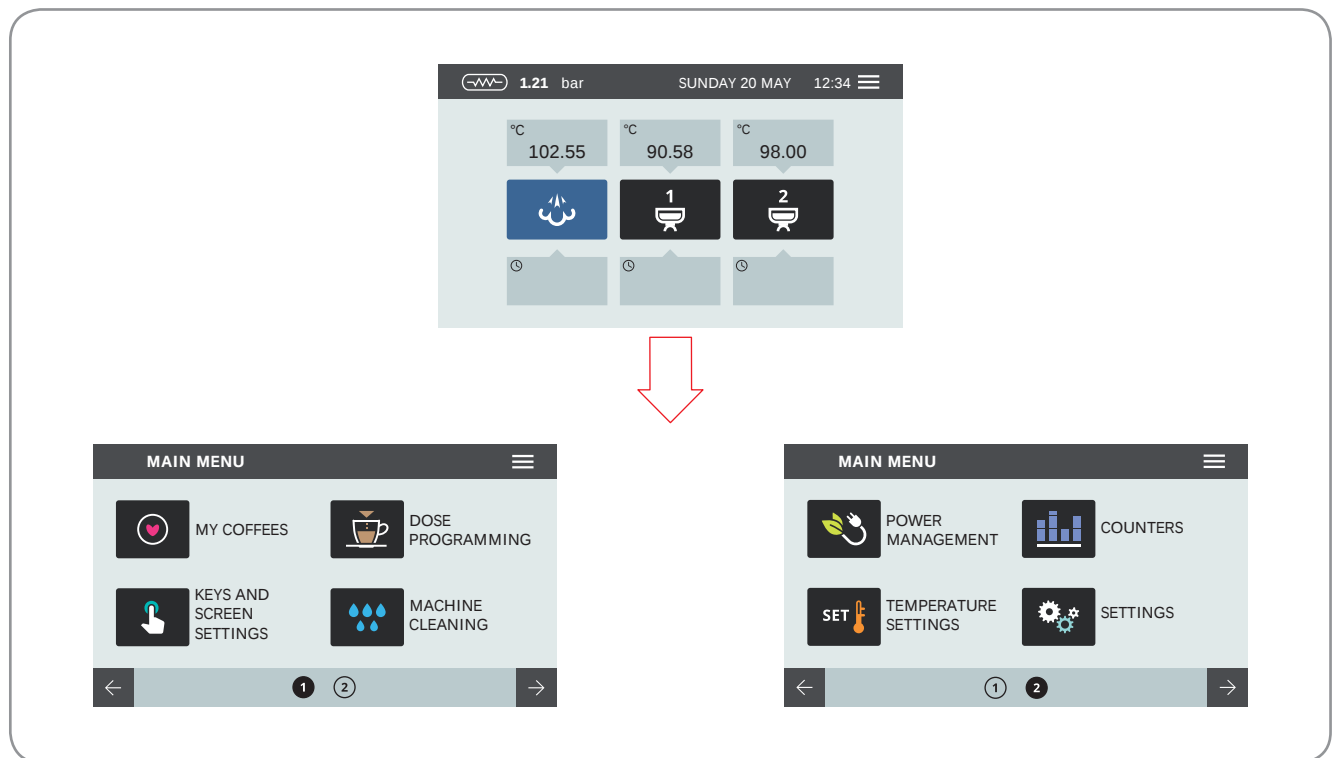
Release Software updated on the: 06-06-2019

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9. PROGRAMMATION



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9.1.4 DIAGNOSTICS	9.14

THE HOME PAGE SHOWS:

- A Steam pressure and informations bar
- B Groups icon
- C Brewing time

Press  to access the main menu:

- My coffees;
- Keys and screen settings;
- Dose programming;
- Machine cleaning;
- Power management;
- Temperature settings;
- Counters;
- Settings.

For basic function, please refer to the instruction Manual.

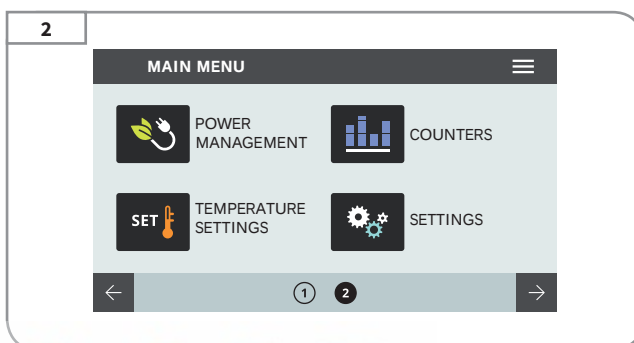
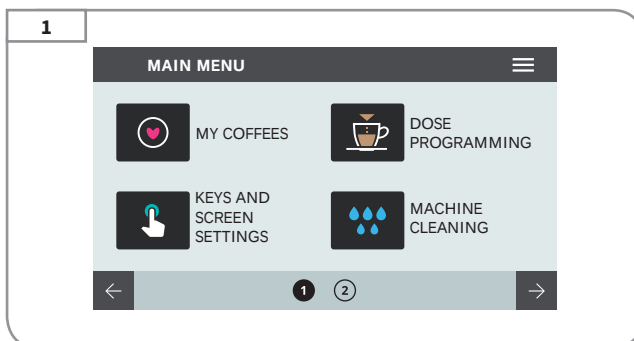
9.1 SETTINGS

From main menu, press  icons to access the settings:

- Technical settings;
- Alarms;
- Password management;
- Diagnostics.



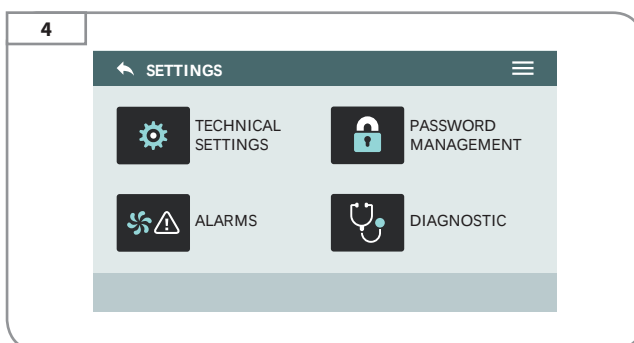
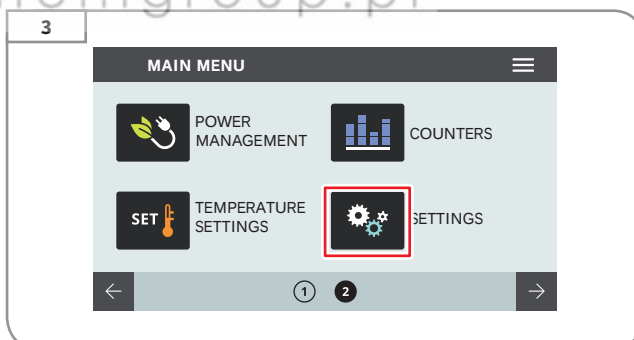
Main menu



Previous menu



Main menu

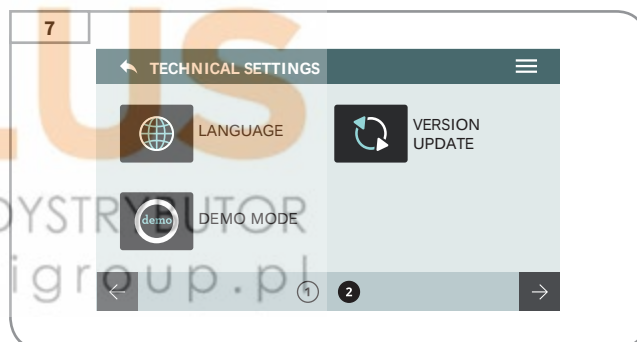
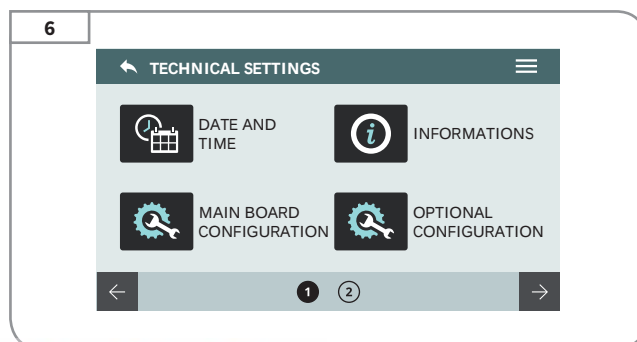
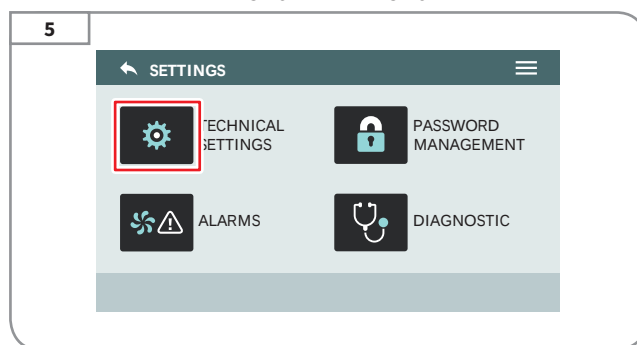


9.1.1 TECHNICAL SETTINGS

Press  to access the general settings of the system functions.
Allow to set:

- Date and time;
- Main board configuration;
- Informations;
- Optional configuration;
- Language;
- Demo mode;
- Version update.

 Previous menu
 Main menu



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DATE AND TIME:

Press  icon to access the set of system date and time of the machine, visible on the screen:

- Day;
- Month;
- Year;
- Hour.



Previous
page



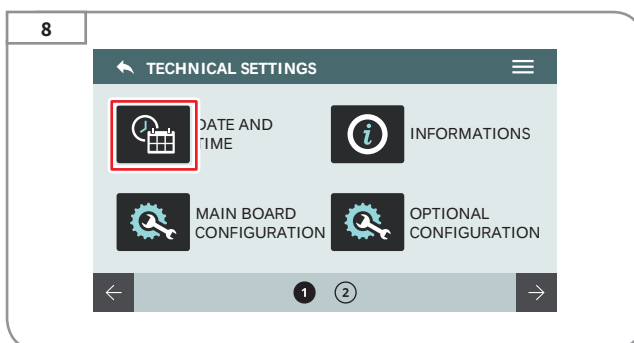
Next
page



Previous
menu



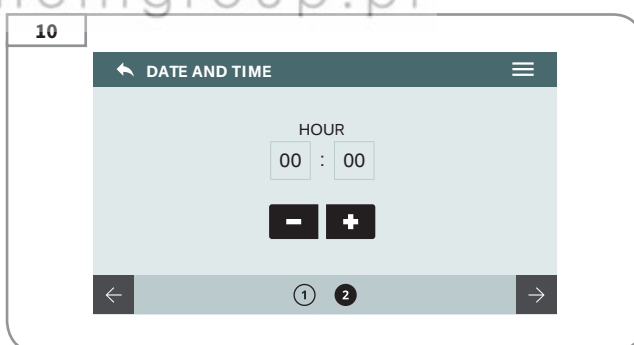
Main
menu



Decrease



Increase



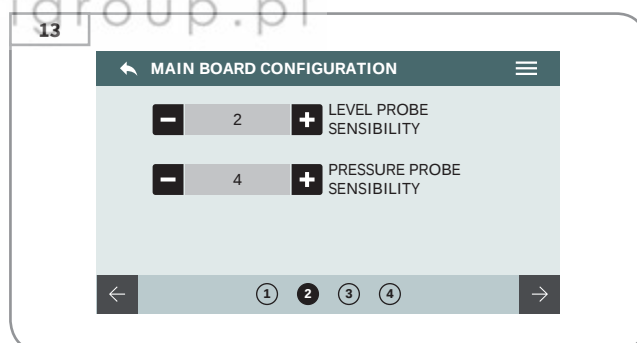
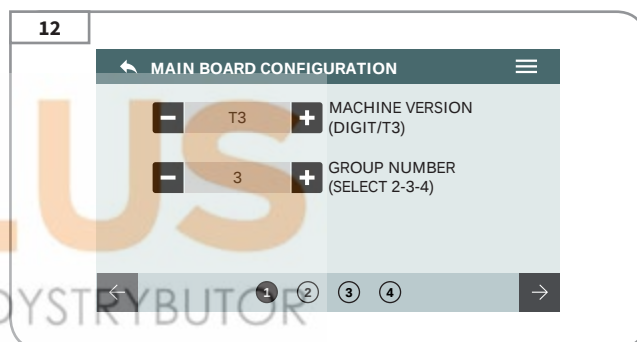
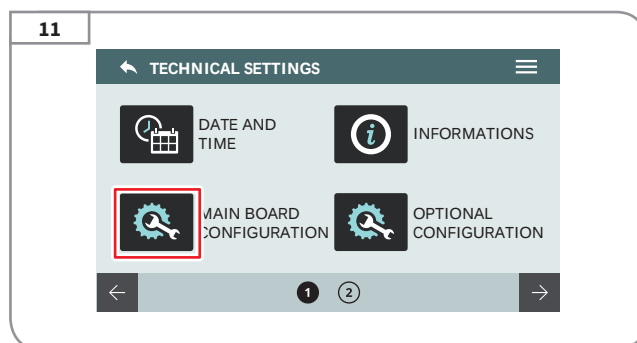
MAIN BOARD CONFIGURATION:

Press  icon to enter the main board configuration menu.

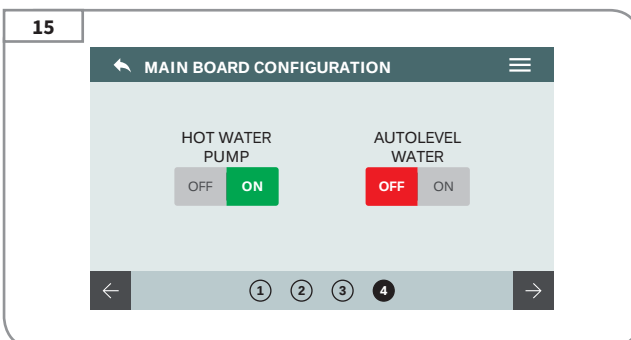
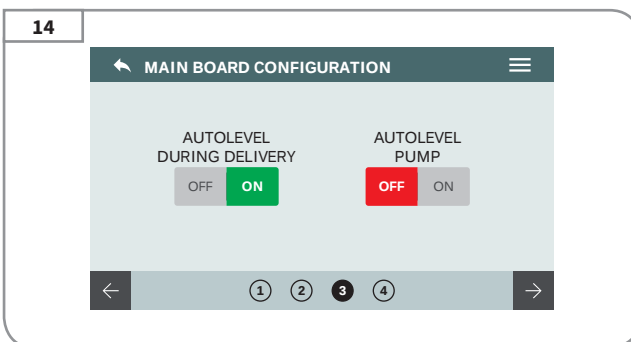
Access to this page required the service password to be entered.

Allow to Set the main control unit parameters:

- Machine version (Digit/T3);
- Group number;
- Level probe sensibility;
- Pressure probe sensibility.



- Auto-level during deliveries;
- Enable/disable auto-level pump;
- Enable/disable hot water pump;
- Auto-level with water.

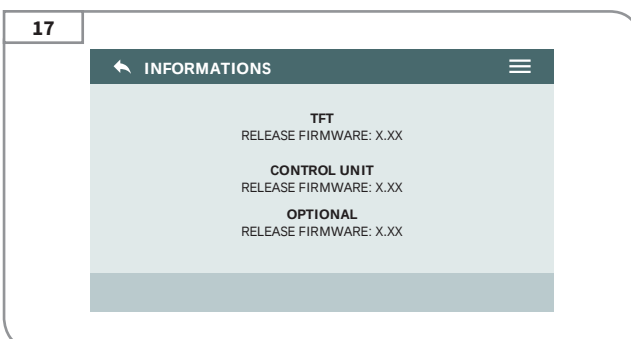
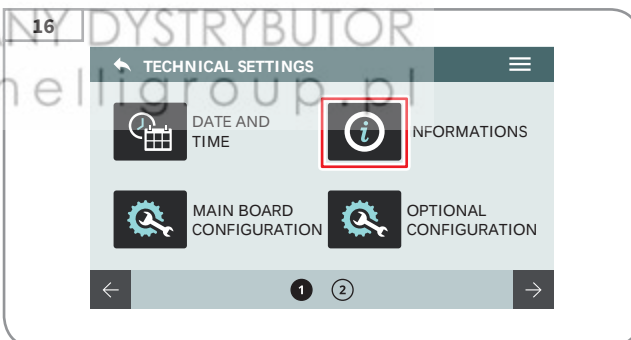
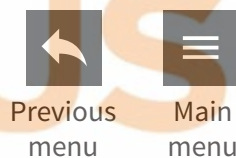


INFORMATIONS:

Press  icons to shows informations about:

In case of malfunctioning these informations must be communicated to technician or dealer:

- TFT firmware release;
- Control unit release;
- Internal temperature.



OPTIONAL CONFIGURATION:

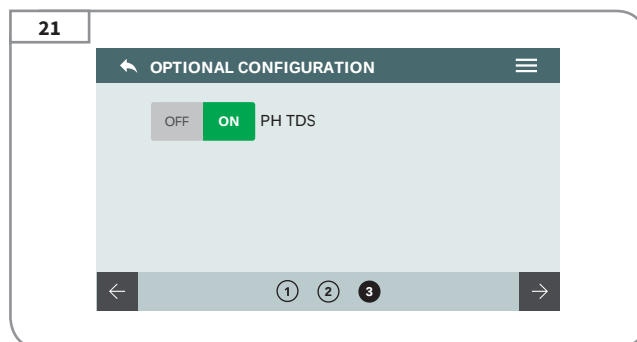
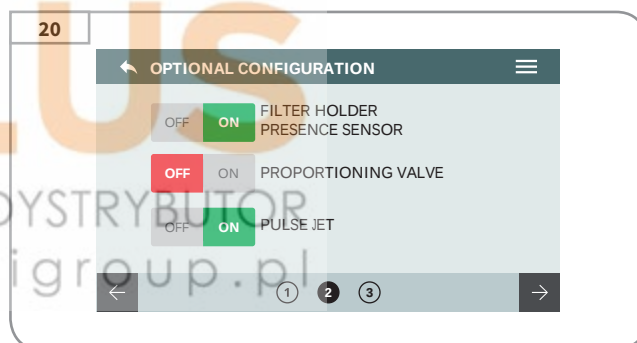
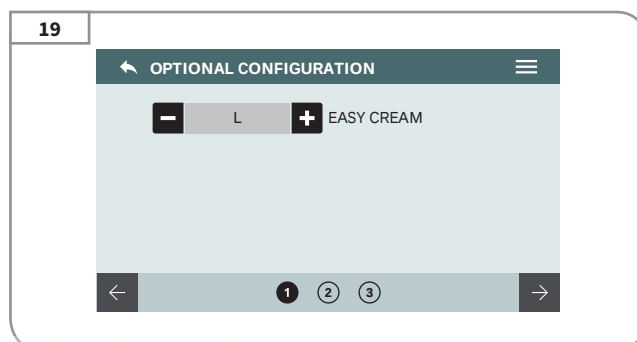
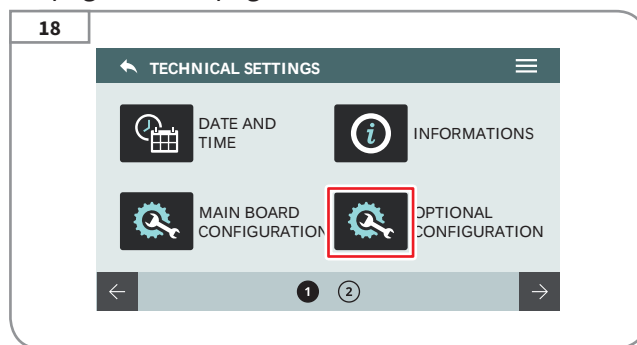
Press  icons to enter the optional configuration page.

Access to this page required the technical service password to be entered.

Allow to set and enable the optionals. The options can be different based on the installed optionals on the machine.

For Easy Cream, select OFF, right and/or left).

- Filter holder presence sensor;
- Proportioning valve;
- Pulse-Jet;
- PH TDS.



LANGUAGE:



Press  icon to access to select the interface language:

- Italian;
- English;
- French;
- German;
- Spanish.

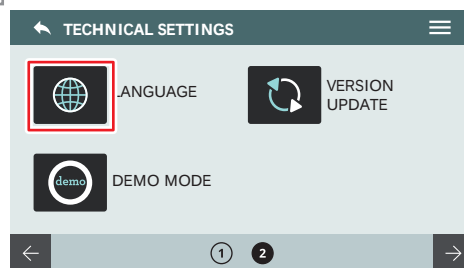


Previous
menu

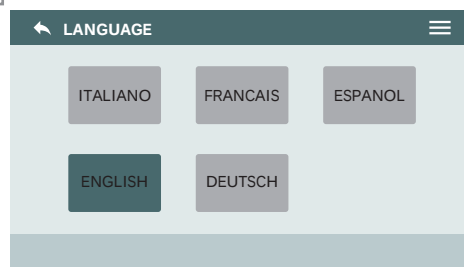


Main
menu

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VERSION UPDATE:

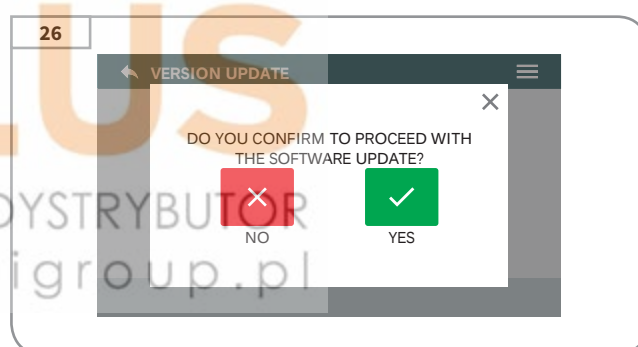
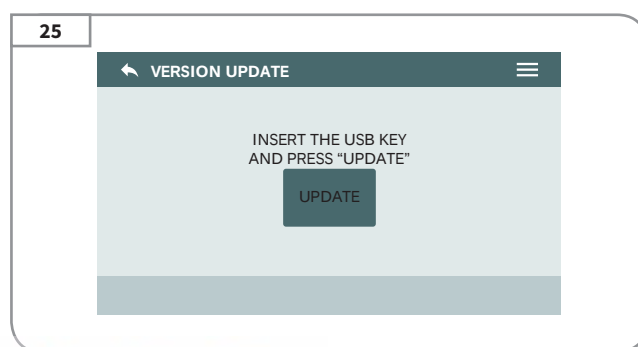
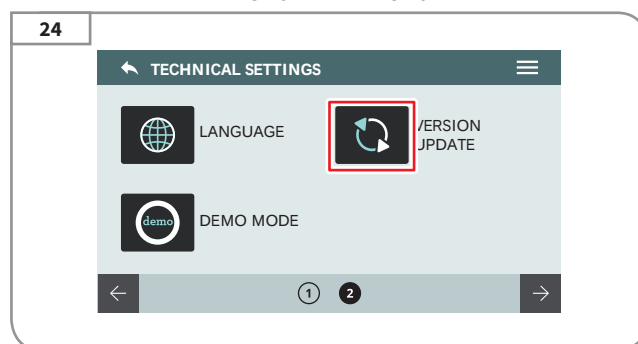
Press  icons to access the version update menu.

Connect an USB device to the machine for update the software version.

- Update start;
- Update cancel;
- Update confirm.

 Previous menu

 Main menu



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9.1.2 ALARMS

Press  icon to access the alarms menu:

Allow to displays, manage and set the functional alarms on the screen.

- Alarm history;
- Maintenance alarms.

ALARMS HISTORY:

Press  icon to access the alarms history page:

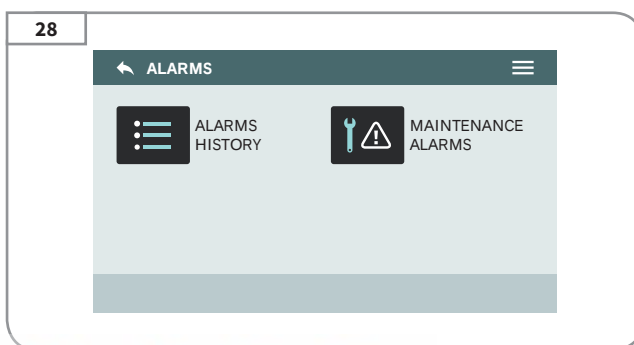
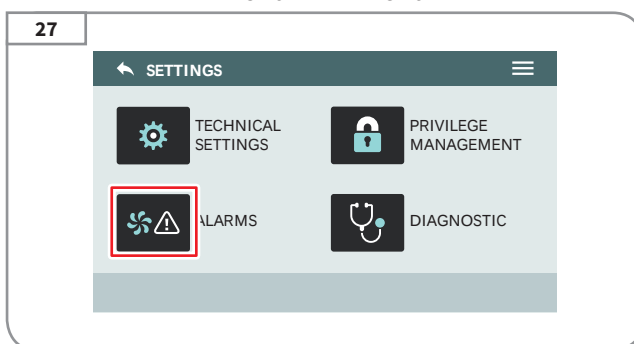
View the list of alarms that have occurred.
Scroll the list up or down to view all the alarms.
To reset the page hold on pushing over an alarm or in the top line of the page.



Previous
menu



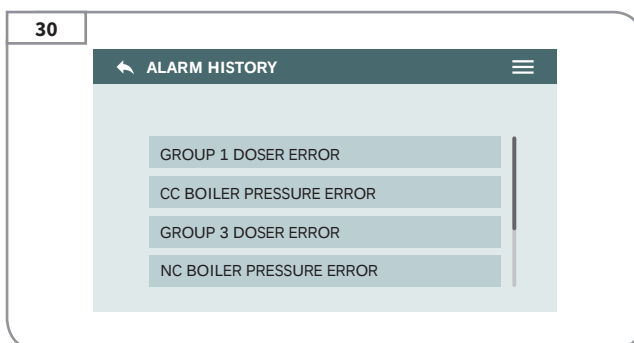
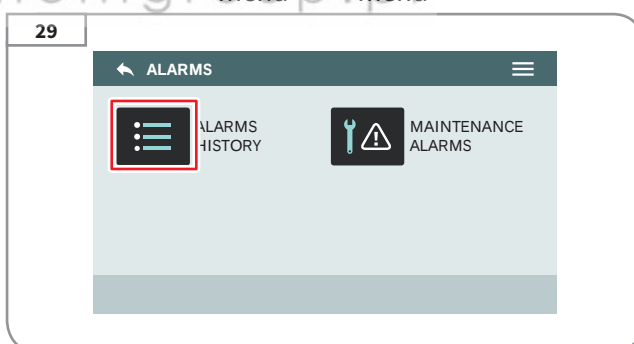
Main
menu



Previous
menu



Main
menu



MAINTENANCE ALARMS:

Press  icons to access the maintenance alarms page:

Enable/disable the maintenance alarms with the OFF/ON button. If enable, allow to select the deadline or the cycles number representing the threshold of maintenance alarm.

- Cycles number;
- Reset cycle counter;
- Day;
- Month;
- Year.



Left
scroll



Right
scroll

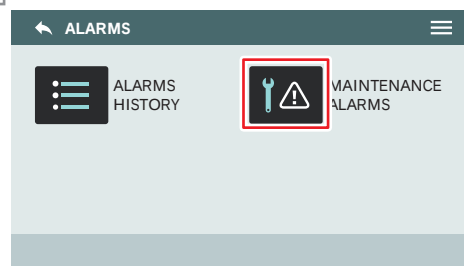


Previous
menu

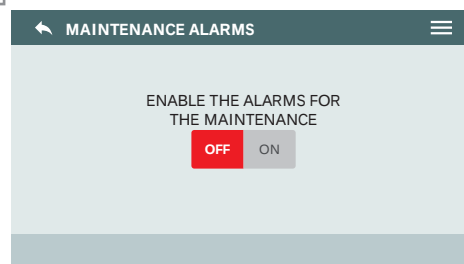


Main
menu

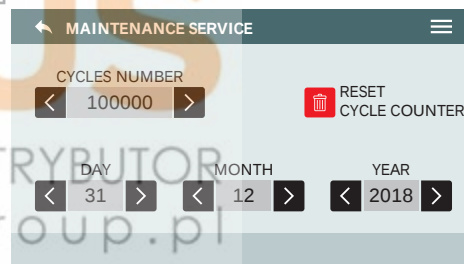
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9.1.3 PRIVILEGE MANAGEMENT

Press  icon to access the privilege management page:

- Technician password editing;
- User password editing;
- Privilege management.

NOTE

If any password level aren't setted, access to the 8 menus is free.

NOTE

If necessary, the unlocking password that always provides free access to the entire menus is: 1936.

TECHNICIAN / USER PASSWORD EDITING:

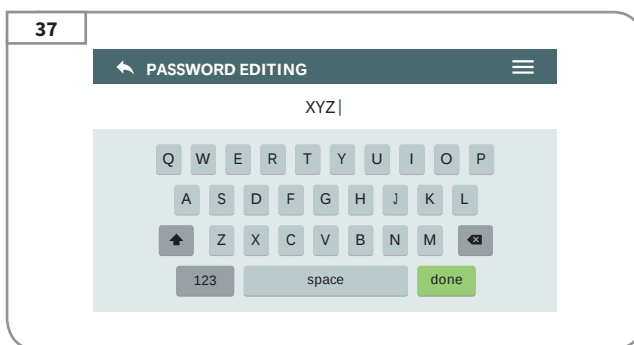
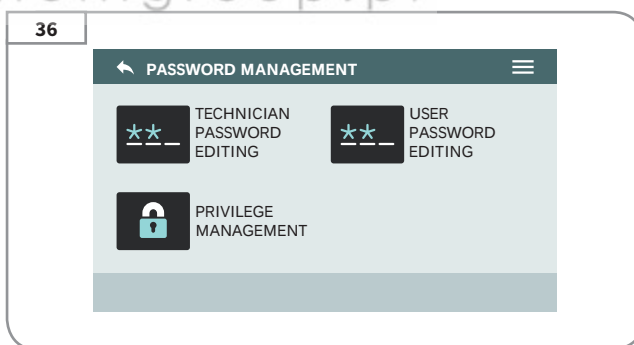
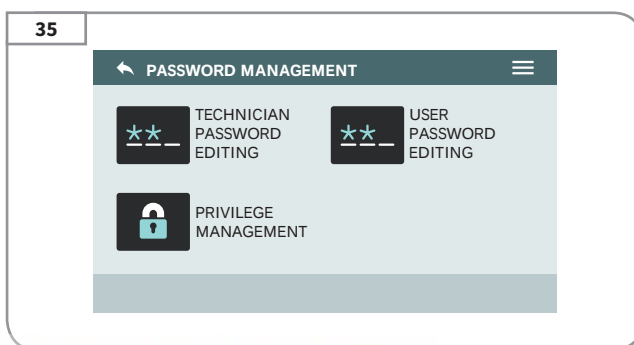
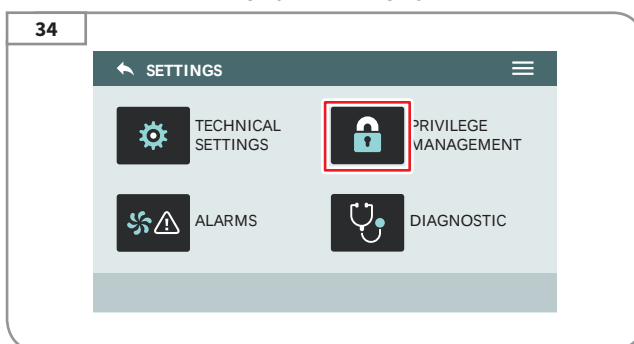
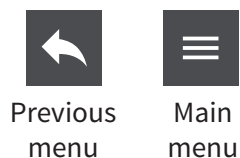
Press  icon to access the set of the password for technician or user.

Use the keyboard to insert the new password, composed by 4 characters, and then confirm by pressing "done".

For the technician, set a password that allow to access to all of the machine functions.

For the user, set a password which outlines the access to the machines functions.

At the end, press  to confirm the password setting.



PRIVILEGE MANAGEMENT:

Access to this page required the technical service password to be entered.

Press  icons to access the privilege management menu.

Set permissions and accesses to functions for the user:

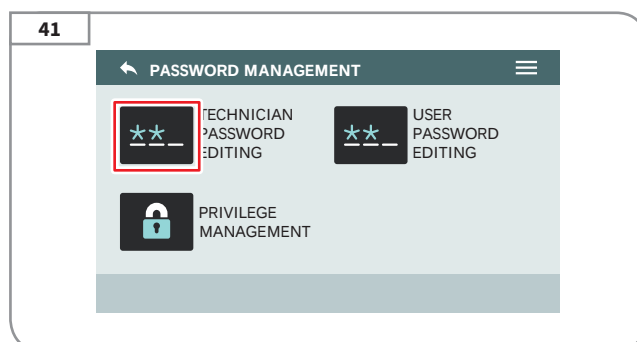
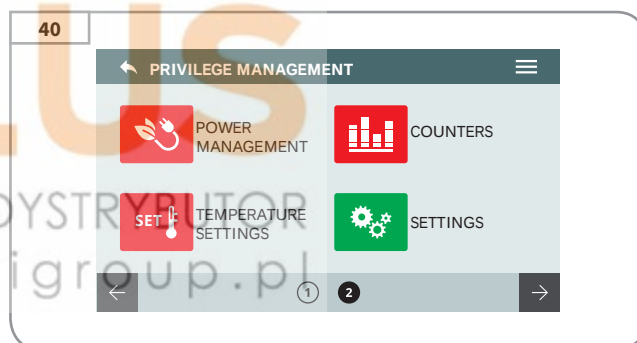
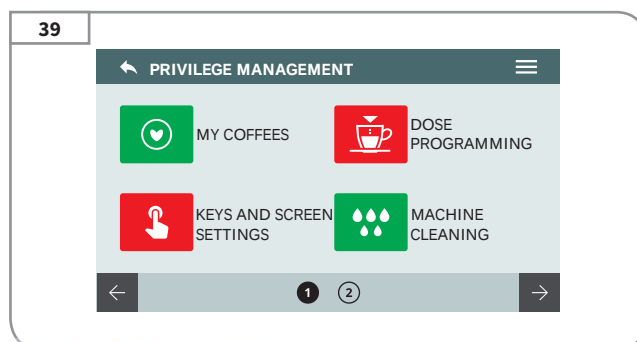
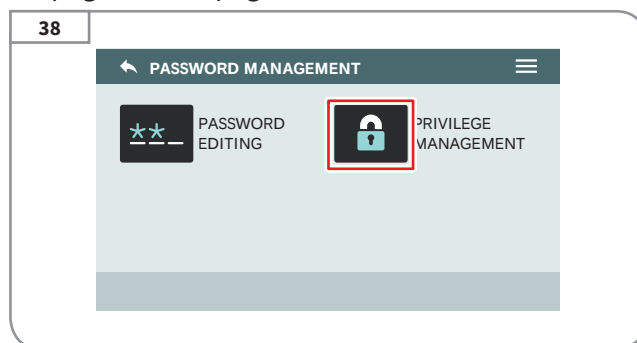
- Red: access denied;
- Green: access allowed.

The cleaning functions are always accessible, while some functions may not be accessible because they are reserved for the Manufacturer.

PASSWORD RESET:

Enter the "PRIVILEGE MANAGEMENT" menu and hold down the Technician password editing icon  for 10 seconds.

At the end, the display confirm the password reset.



9.1.4 DIAGNOSTICS

Press  icons to access the diagnostic menu.

The smart water technology function is optional.

- General diagnostics;
- Smart Water technology (optional);
- Groups diagnostics.

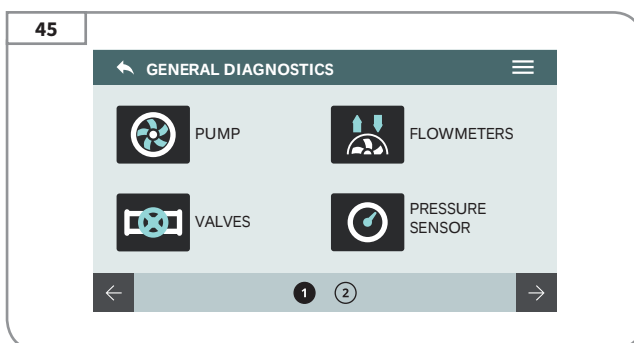
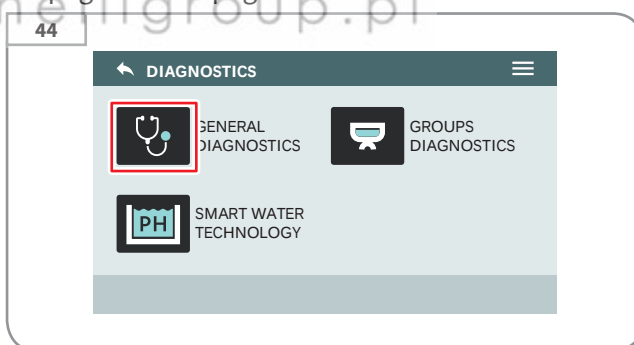
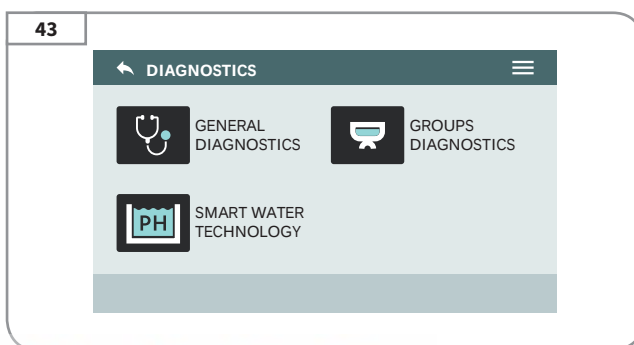
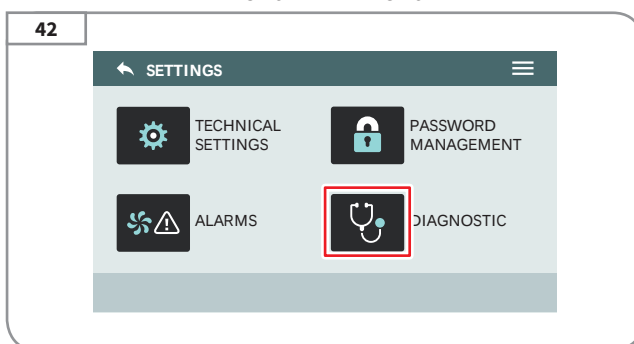
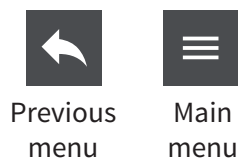
GENERAL DIAGNOSTICS:

Press  icons to access the general diagnostic page.

The functions can be handled ONLY by the service engineer.

Allow to check the functioning state of the single elements of the machine:

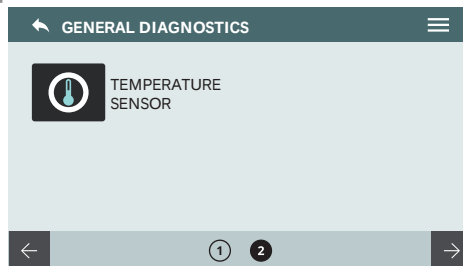
- Pump;
- Valves;
- Flowmeter;
- Pressure sensors;
- Temperature sensors.



PUMP:

Press  icon to check the functioning state of the pump.

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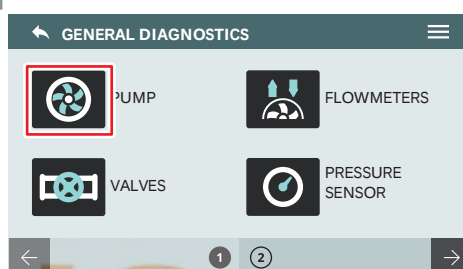


Previous
menu

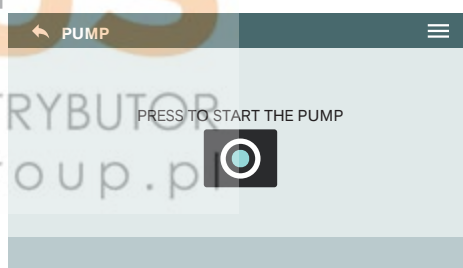


Main
menu

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VALVES:

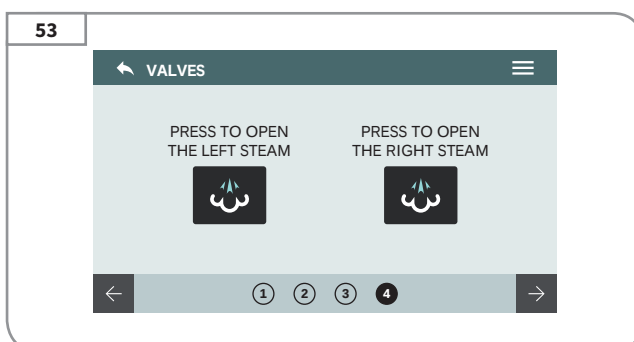
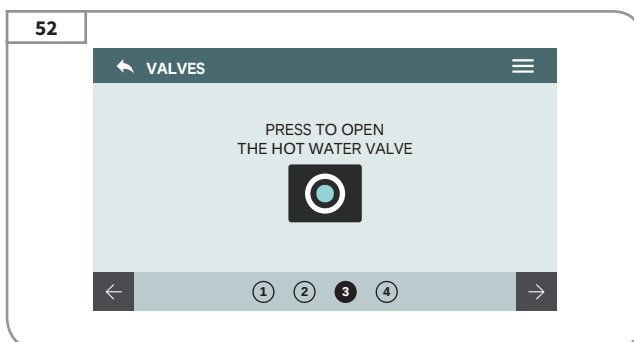
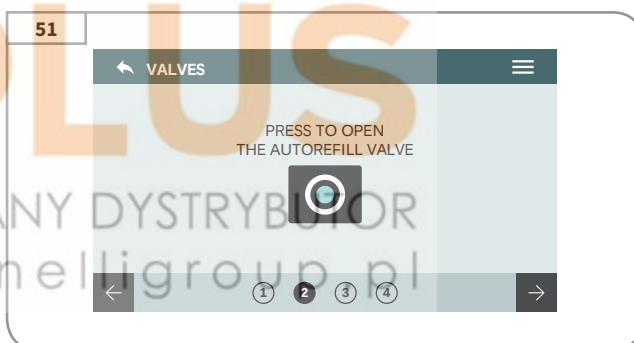
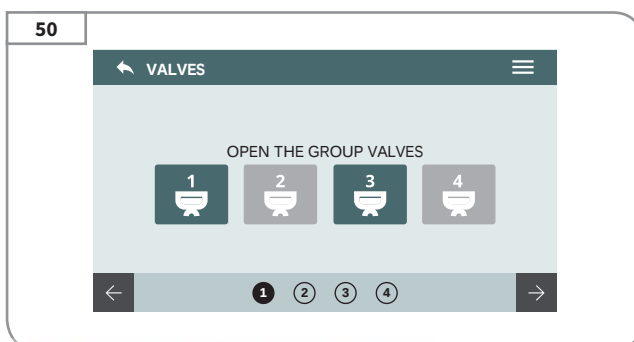
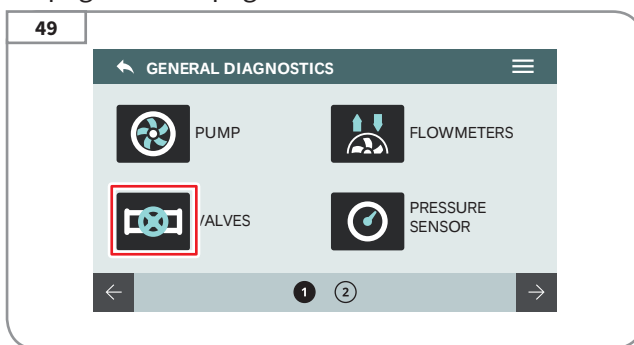
Press  icons to access the valves page.

Select a coffee group to check functioning state of the coffee groups valves.

Scroll the page to check the functioning of the other valves:

- Autolevel valve;
- Hot water valve;
- Left steam wand;
- Right steam wand.

 Previous page  Next page  Previous menu  Main menu



FLOWMETERS:

Press  icons to access the flowmeters page.

Press the enabled icons  to start dispensing to check the signals detected by the flowmeters of the groups.

NOTE

During dispensing, the groups display shows the delivery time.

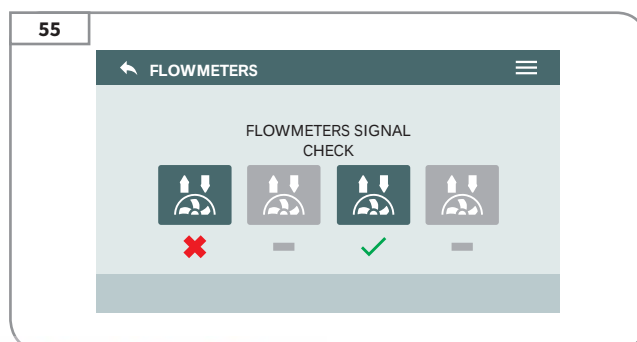
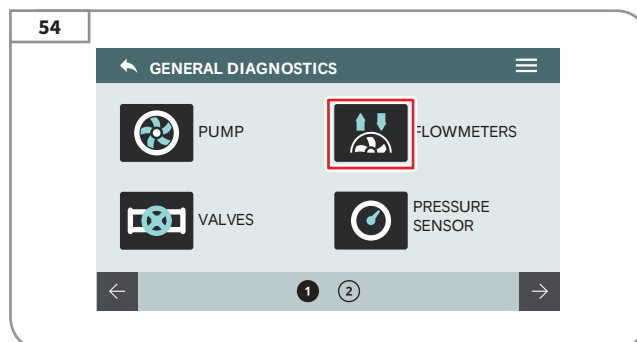
- X** Signal not detected;
- Disabled group;
- ✓ Signal detected.

PRESSURE SENSORS:

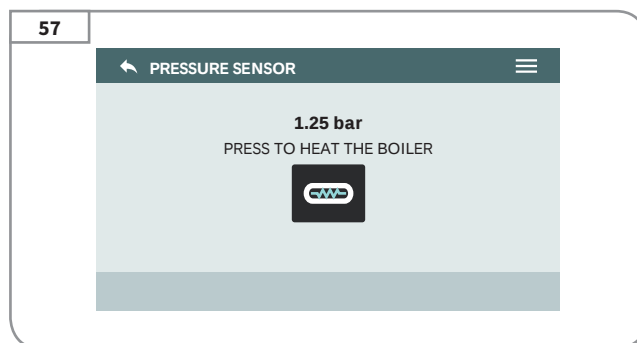
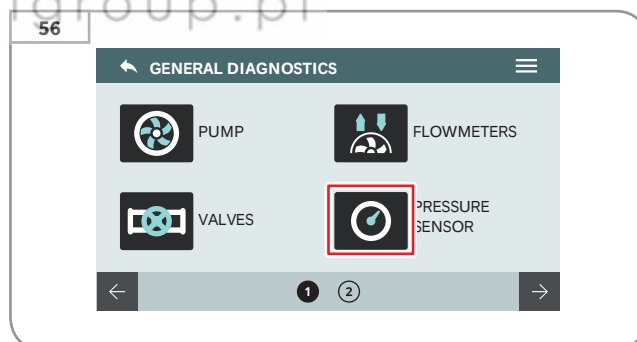
Press  icons to access the pressure sensor page.

Press  to heat the boiler and check the pressure sensors.

 Previous menu
 Main menu



 Previous menu
 Main menu



TEMPERATURE SENSORS:

Press  icons to access the temperature sensors pages.

Allows to check the temperature detected by the sensors. These buttons work for the pressure time.

The group temperature sensor are available only for T³ version.

Show the temperature detected for every group.

Press the icon for heat up the group.

The boiler temperature sensor show the temperature detected for every coffee boiler.

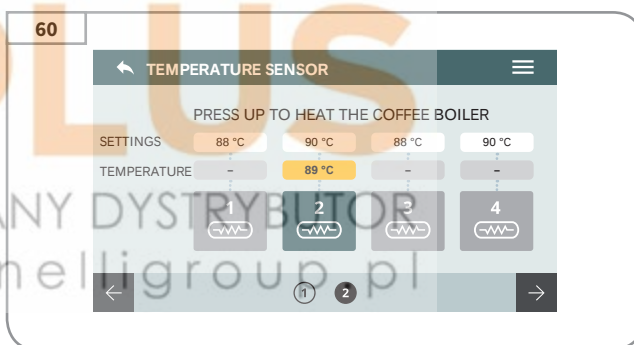
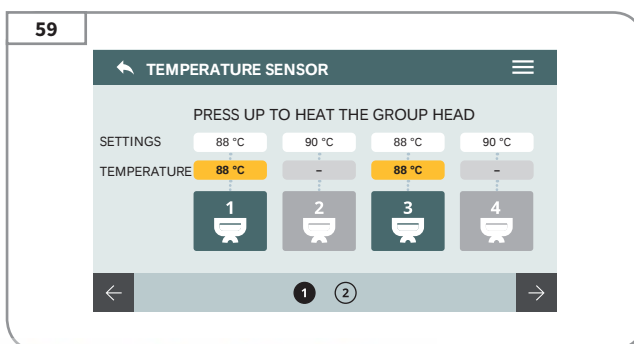
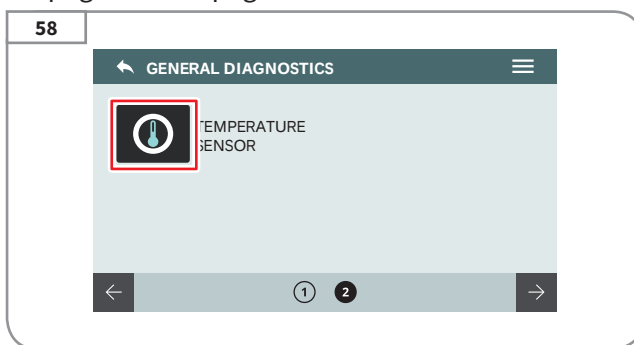
Press the icon for heat up the boiler.

 Previous page

 Next page

 Previous menu

 Main menu



SMART WATER TECHNOLOGY (OPTIONAL):

NOTE

This page is available only if smart water box is enabled in the optionals configuration.

Press  icons to access the smart water technology page and set its parameters:

- PH range (min-max);
- TDS (min 20 - max 500);
- PH and TDS actual values.

For TDS, the setting range is (min 20 - max 50).

GROUPS DIAGNOSTICS:

Press  icon to access the coffee groups diagnostic page.

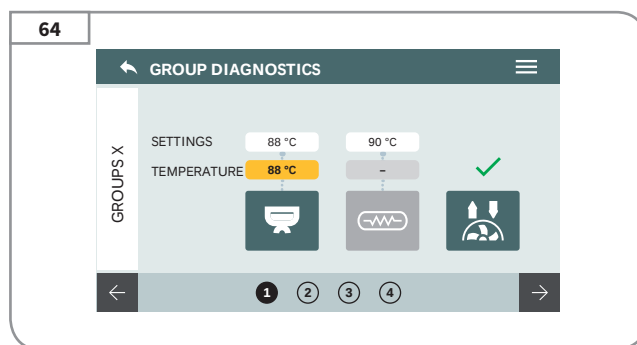
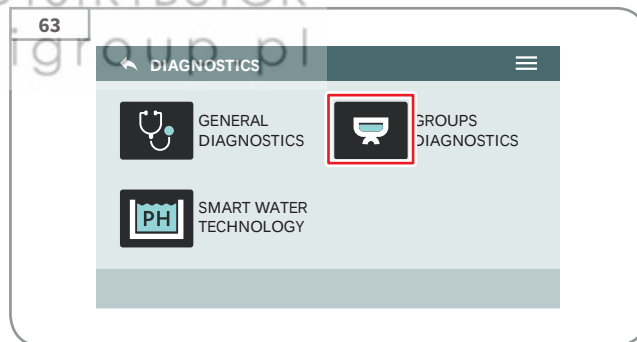
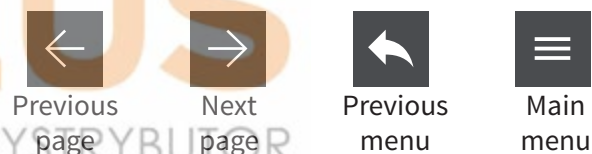
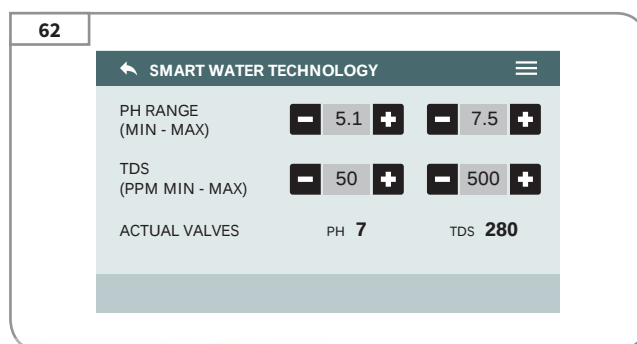
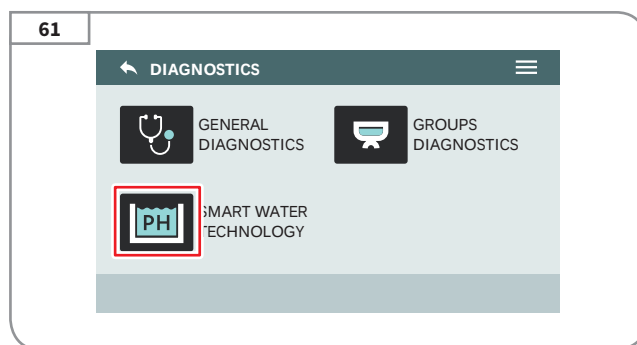
View the diagnostic overview of each individual group.

Each page corresponds to a group.

The information is the same for all groups.

Press the icons to check the functioning of:

- Group temperature (T^3);
- Boiler temperature;
- Flowmeter detect.



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10. OPTIONAL CONFIGURATION

INDEX

10. OPTIONAL CONFIGURATION	10.1
10.1 SMART WATER BOX CONFIGURATION.....	10.2
10.2 PROPORTIONAL VALVE.....	10.3
10.3 FILTER HOLDER PRESENCE SENSOR.....	10.5
10.4 PULSE JET	10.6
10.5 WI-FI REMOTE CONTROL	10.7
10.6 EASY CREAM	10.9

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The optional are connected at a dedicated optional control unit.

The configurable optional are:

- Smart water box;
- Proportional valve;
- Filter holder presence sensor;
- Pulse jet;
- Wi-Fi;
- Easy cream.

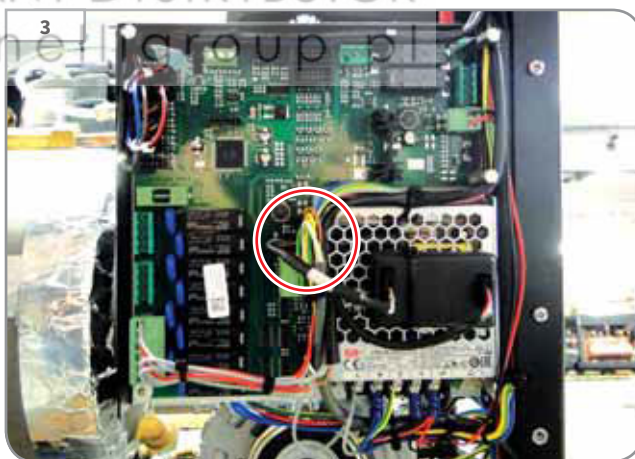
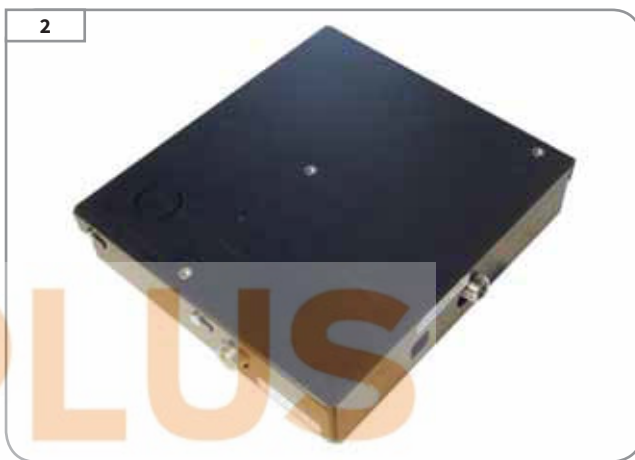
To access the optional control unit, remove the rear panel as described in the chapter 3.

10.1 SMART WATER BOX CONFIGURATION

If present, connect and set the smart water box as follow.

Connect the SERIAL RS485 to the smart water box:

- Brown = 12V
- Yellow = GND
- White = A
- Green = B

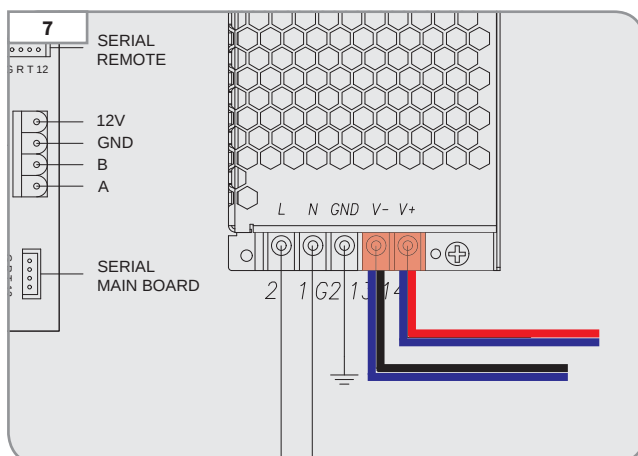
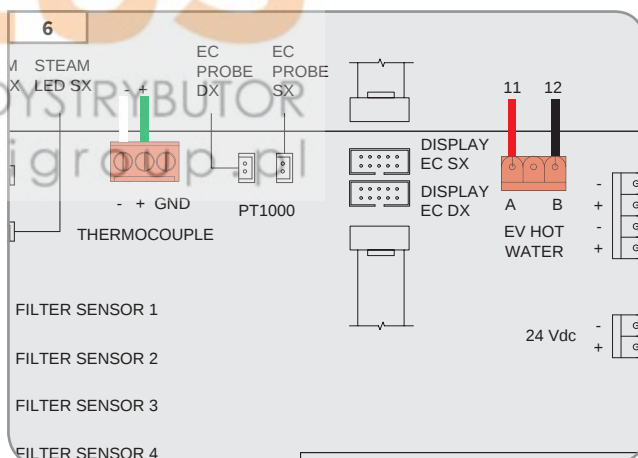
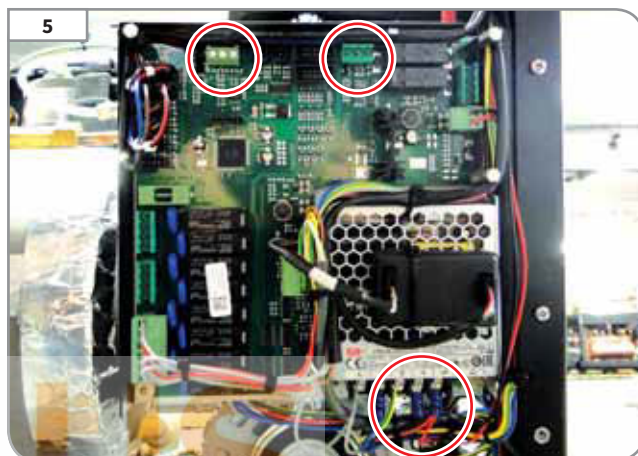


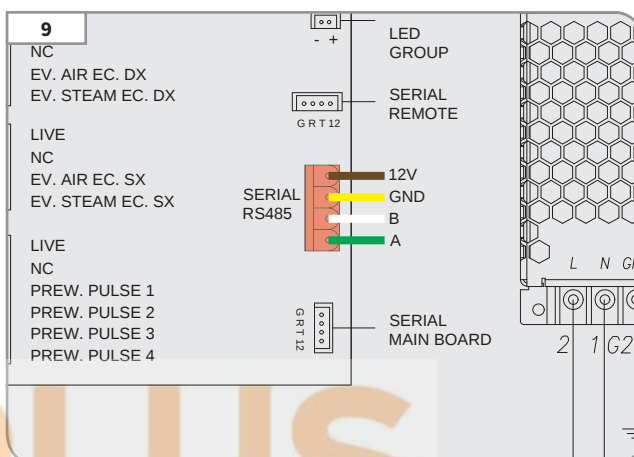
10.2 PROPORTIONAL VALVE

If present, connect and set the proportional valve for the hot water as follow.

Connection required are:

- Thermocouple
 - - = White
 - + = Green
 - GND = /
- Hot water solenoid valve
 - A = Red
 - B = Black
- Heating element (power terminals)
 - V+ = Blue/Red
 - V- = Blue/Black





Set the optional on the display as described on chapter 9.

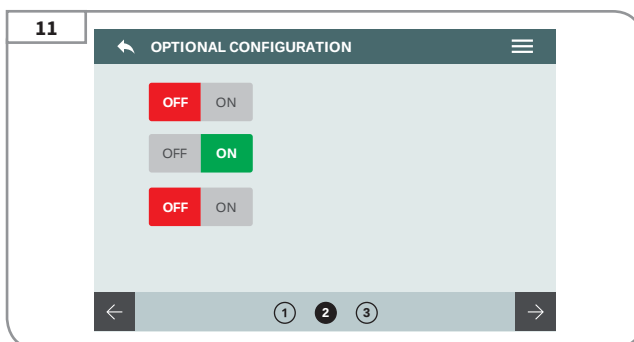
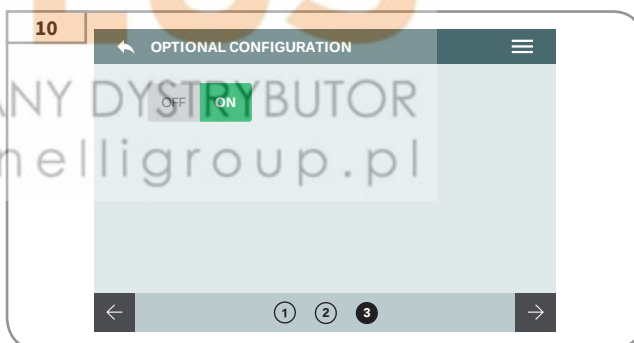
NOTE

The abilitation of this function enable the PH TDF diagnostic page.

Set the optional on the display as described on chapter 9.

NOTE

The abilitation of this function enable the temperature settings for the hot water.

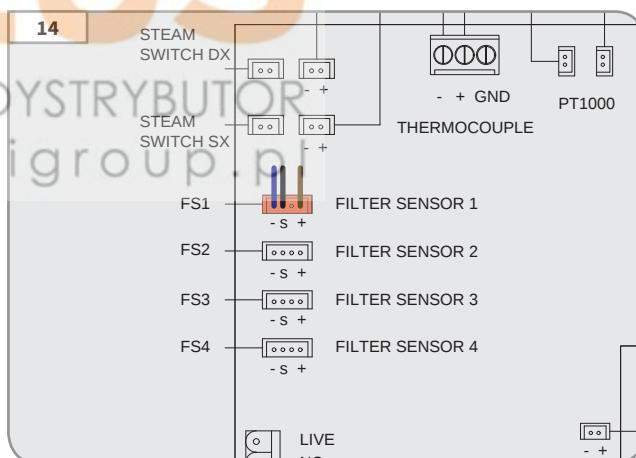


10.3 FILTER HOLDER PRESENCE SENSOR

If present, connect and set the filter holder presence sensor as follow.

Connection required are:

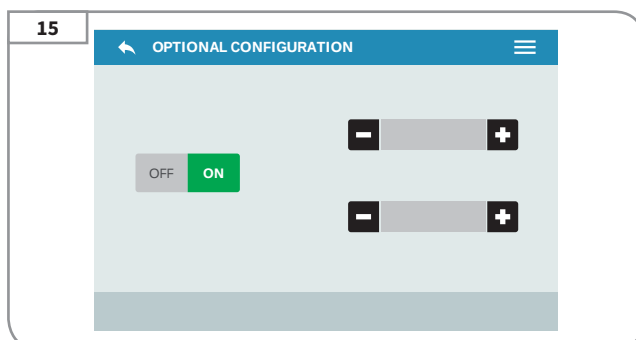
- - = Blue
- S = Black
- + = Brown



Set the optional on the display as described on chapter 9.

NOTE

The abilitation of this function enable the automatic groups purge on the cleaning menu.

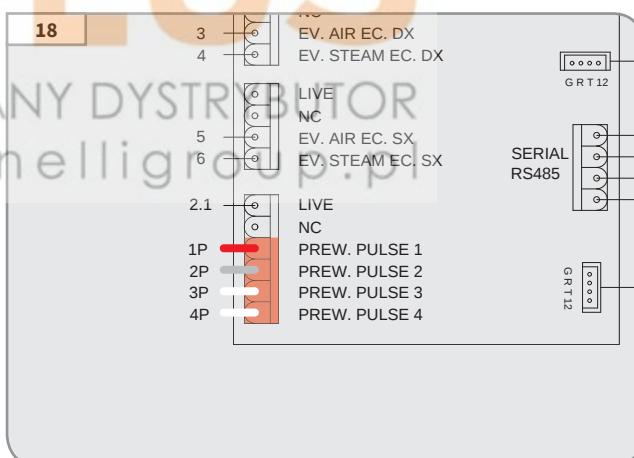
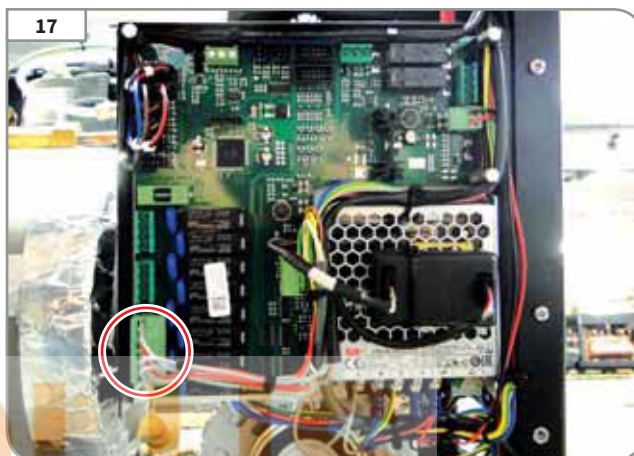


10.4 PULSE JET

If present, connect and set the pulse jet valve for the coffee delivery.

Connection required are:

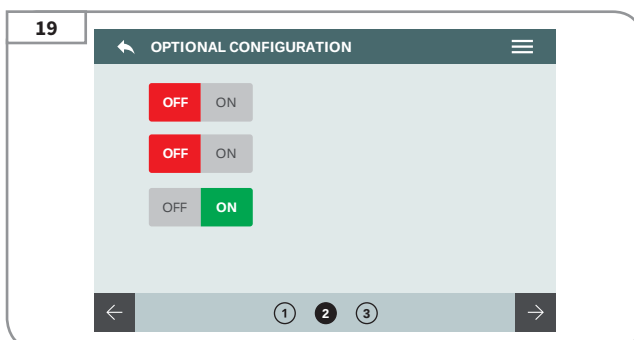
- 1P = Red
- 2P = Grey
- 3P = White
- 4P = White



Set the optional on the display as described on chapter 9.

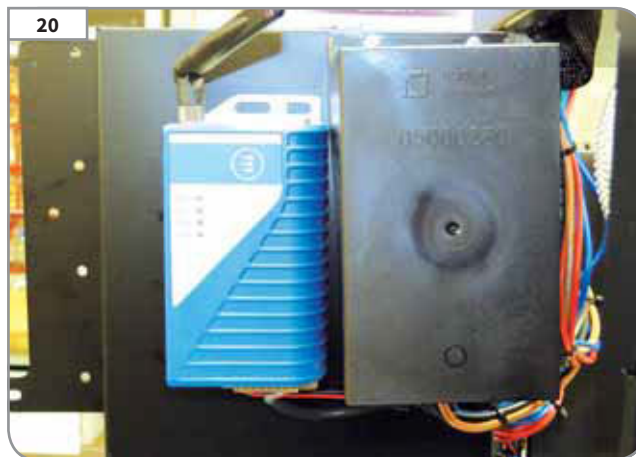
NOTE

The abilitation of this function enable the pulse jet settings on the dose programming.

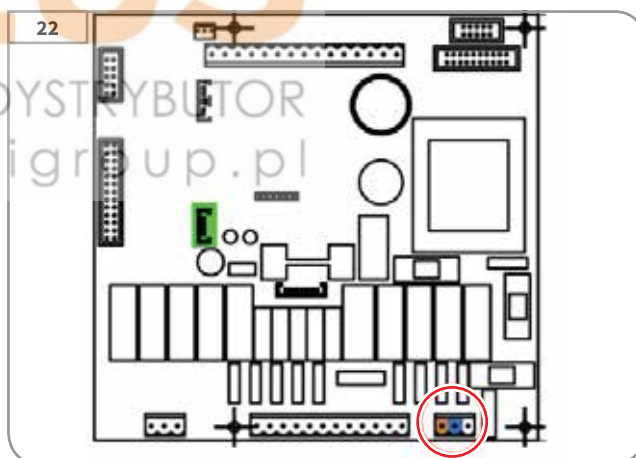


10.5 WI-FI REMOTE CONTROL

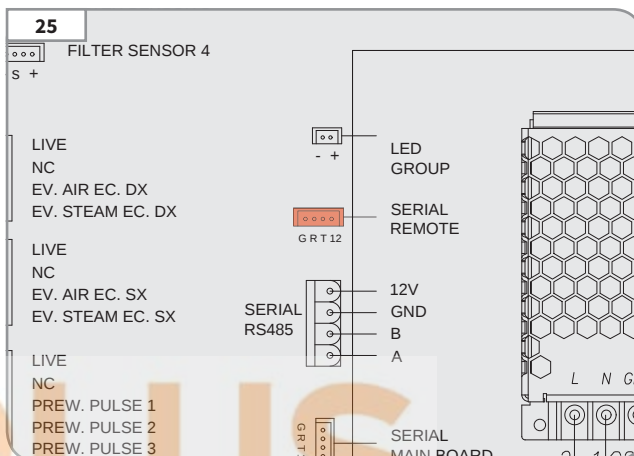
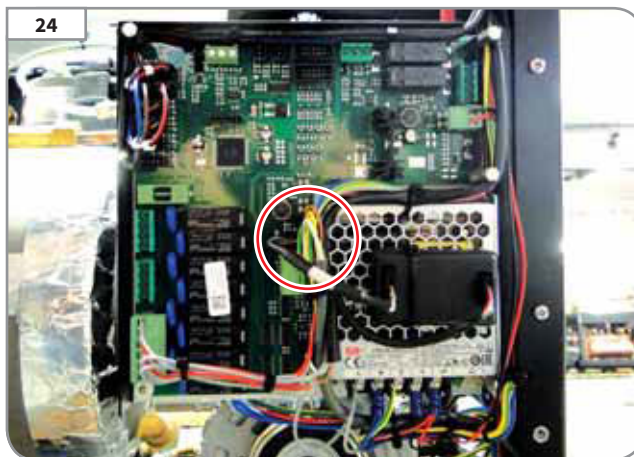
The remote control module is composed of a box with 1 connection with 12V feeding the module and data connections.



To carry out the configuration of the module, connect the power supply on the optional board or at the 12V dedicated transformer.



Connection is made by serial connection.



To configure the module, a portable computer with a WI-FI antenna is necessary.

The module becomes a hotspot as soon as the module is fed from the power supply of the machine, therefore it will be possible to see that between the WI-FI networks available will be one that has the name "NS-XXXXXX", where X represents the MAC address of the module.

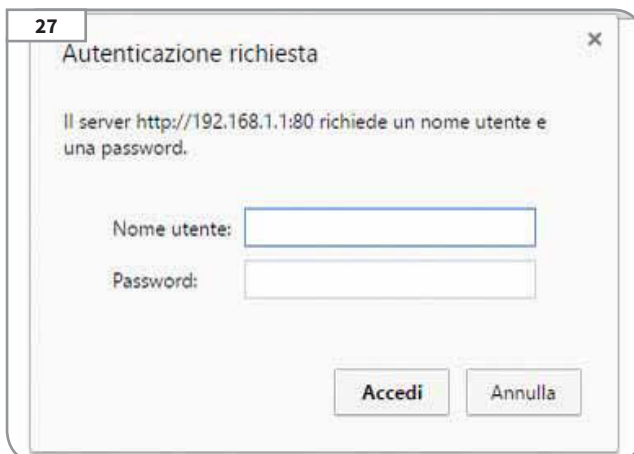
Connect to this network.

Once the PC is connected to the hotspot of the module, open the browser and enter the address <http://192.168.1.1>.

At this point, access the default access credentials that are:

USER: user

PASSWORD: pwd

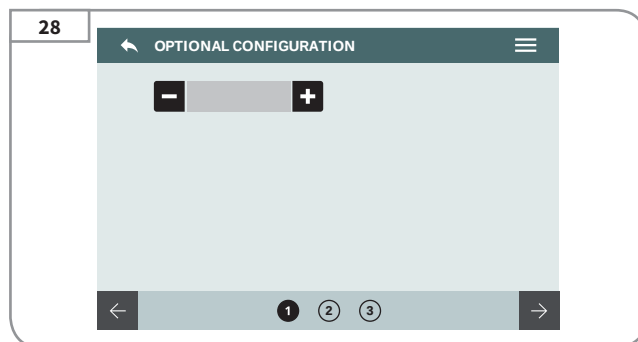


10.6 EASY CREAM

If present, enable the Easy Cream steam wand left and/or right as described on chapter 9.

NOTE

The abilitation of this function enable the Easy Cream settings in the dose programming menu.



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11. ALARMS AND CONTROL OF THE EMERGENCIES



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11. ALARMS AND CONTROL OF THE EMERGENCIES	11.1
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The alarms and the errors signalled by the TFT-series control units are listed below. Please note that some alarm or error messages are significant only from certain releases on.

DISPLAY	CAUSE	POSSIBLE SOLUTIONS
MAINTENANCE ALARM	This alarm signals the need to carry out the machine maintenance.	Access the Maintenance alarm menu as indicated in the chapter 9 and press  to reset the cycle counter.
BATTERY ALARM	This alarm signals the need to change the button cell (model CR2032) of the dosage control unit. This button cell is needed to store meter and date / time information.	Replace the button cell (model CR2032).
EEPROM WRITING ERROR	This error signals a failure of the control unit EEPROM. The EEPROM is written when control unit information are saved: meter updating after a dosage/delivery, setting saving, dose and error programming.	• Check whether the error still occurs by performing programming tests. • Replace the card.
RTC READING ERROR	This error signals a reading error of the control unit RTC (real-time clock). The RTC is read during the loading of a meter or the date/hour.	• Check whether the error still occurs by performing programming tests. • Replace the card.
RTC WRITING ERROR	This error signals a writing error of the control unit RTC. The RTC is written during the saving of a meter (after a delivery/dosage) or of the date/hour.	• Check whether the error still occurs by performing programming tests. • Replace the card.
UNIT DOSAGE ERROR	This error signals that no pulses were received within 3 seconds from the dosage beginning of that unit and it can be due to a failure of the flowmeter or the control unit pulses.	Check the fan and the connections to the control unit.
UNIT DELIVERY ERROR	This error signals that the unit delivery exceeded the limit time of 240 secs. and this can be due to a failure of the fan or the inputs of control unit pulses.	Check the fan and the connections to the control unit.
PRESSURE ERROR	This error signals the pressure detected by the heater pressure switch is above the value of 1.60 Bar.	Check the pressure switch and, if necessary, inspect the heating element or its manual reset.

DISPLAY	CAUSE	POSSIBLE SOLUTIONS
LEVEL ERROR	This error signals that the limit time on the auto-level was reached. This time is 90 secs. when the pump is active with the level, otherwise it is 180 secs. The problem may be caused by a failure of the level probe.	• Turn the machine off and then turn it on again to check whether the problem still occurs. • When the heater was totally empty, it may be necessary to switch the machine off and on again two times. • Check the level probe, the limestone condition and the connection to the control unit.
HEATER PRESSURE SWITCH ERROR	This error signals a problem on the heater pressure switch.	• Should CC be shown, it means the pressure switch shorted. • Should NC be shown, it means the pressure switch is not connected or is deemed to be an open circuit.
ERROR OF CUP WARMER PROBE 1	This error signals a problem on the cup warmer probe 1.	• Should CC be shown, it means the probe shorted and its replacement is to be considered. • Should NC be shown, it means the probe is not connected or it is deemed to be an open circuit; check the connections.
ERROR OF CUP WARMER PROBE 2	This error signals a problem on the cup warmer probe 2.	• Should CC be shown, it means the probe shorted and its replacement is to be considered. • Should NC be shown, it means the probe is not connected or it is deemed to be an open circuit; check the connections.
SERIAL COMMUNICATION ERROR	This error signals a faulty communication between the control unit and the display.	This may be due to the connection wire between the two cards, connectors on wire or on display or control unit not inserted properly. Therefore, check all involved parts.
ERROR OF STEAM PROBE 1 CC	This error signals a short-circuit on the steam probe 1. Should the probe be present but it is not detected, the steam operation is in timed mode instead of auto-steam.	Make sure the probe is not faulty and it is connected properly.
ERROR OF STEAM PROBE 2 CC	This error signals a short-circuit on the steam probe 2. Should the probe be present but it is not detected, the steam operation is in timed mode instead of auto-steam.	Make sure the probe is not faulty and it is connected properly.

DISPLAY	CAUSE	POSSIBLE SOLUTIONS
ERROR OF X UNIT PROBE	This error signals a problem on the X unit probe.	- Should CC be shown, it means the X unit probe shorted. - Should NC be shown, it means the X unit probe is not connected or the control unit sees it as not connected. - Check connections and verify values detected by the probe using a tester. Replace, if necessary.
X HEATER PROBE ERROR	This error signals a problem on the X heater probe.	- Should CC be shown, it means the X heater probe shorted. - Should NC be shown, it means the X heater probe is not connected or the control unit sees it as not connected. - Check connections and verify values detected by the probe using a tester. Replace, if necessary.
WASHING ALARM	It signals the need to wash the units, as the washing alarm threshold was exceeded.	Wash all units. Check settings on Technical settings.
ERROR OF NOT-COMPATIBLE CONTROL UNIT	It signals the machine control unit is not compatible with the display it is connected to. Refer to the document of compatibility of the versions.	Install a compatible control unit or carry out the necessary updates.

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TABLE OF ERROR AND ALARM MESSAGES

Italiano	English	Francais	Deutsch	Espanol
"Allarme manutenzione"	"Maintenance alarm",	"Alarme entretien",	"Alarm Wartung",	"Alarma mantenimiento",
"Allarme pila"	"Battery alarm",	"Alarme pile",	"Alarm Batterie",	"Alarma pila",
"Errore scrittura EEPROM"	"EEPROM write error",	"Erreur écriture EEPROM",	"Fehler Speichern EEPROM",	"Error escritura EEPROM",
"Errore lettura RTC"	"RTC read error",	"Erreur lecture RTC",	"Fehler Auslesen RTC",	"Error lectura RTC",
"Errore scrittura RTC"	"RTC write error",	"Erreur écriture RTC",	"Fehler Speichern RTC",	"Error escritura RTC",
"Errore dosatura gruppo"	"Group dose error",	"Erreur dosage groupe",	"Fehler Dosierung Brühgr.",	"Error dosificación grupo",
"Errore erogazione gruppo"	"Group pour error",	"Erreur extraction groupe",	"Fehler Ausgabe Brühgr.",	"Error dispensación grupo",
"Errore pressione"	"Pressure error",	"Erreur pression",	"Fehler Druck",	"Error presión",
"Errore livello"	"Level error",	"Erreur niveau",	"Fehler Füllstand",	"Error nivel",
"Errore pressostato caldaia"	"Boiler pressure switch error",	"Erreur pressostat chaudière",	"Fehler Drucksch. Boiler",	"Error presostato caldera",
"Errore sonda scaldacqua 1"	"Cup warmer probe 1 error",	"Erreur sonde chauffe-tasses 1",	"Fehler Sonde Tassenwärmer 1",	"Error sonda calienta-tazas 1",
"Errore sonda scaldacqua 2"	"Cup warmer probe 2 error",	"Erreur sonde chauffe-tasses 2",	"Fehler Sonde Tassenwärmer 2",	"Error sonda calienta-tazas 2",
"Errore comunicazione seriale"	"Serial coms error",	"Erreur communication série",	"Fehl.Kommun.serielle Schnittst",	"Error comunicación serial",
"Errore sonda vapore 1 CC"	"CC steam probe 1 error",	"Erreur sonde vapeur 1 CC",	"Fehler Dampfsonde 1 CC",	"Error sonda vapor 1 CC",
"Errore sonda vapore 2 CC"	"CC steam probe 2 error",	"Erreur sonde vapeur 2 CC",	"Fehler Dampfsonde 2 CC",	"Error sonda vapor 2 CC",
"Errore sonda gruppo 1"	"Group probe 1 error",	"Erreur sonde groupe 1",	"Fehler Sonde Brühgr. 1",	"Error sonda grupo 1",
"Errore sonda gruppo 2"	"Group probe 2 error",	"Erreur sonde groupe 2",	"Fehler Sonde Brühgr. 2",	"Error sonda grupo 2",
"Errore sonda gruppo 3"	"Group probe 3 error",	"Erreur sonde groupe 3",	"Fehler Sonde Brühgr. 3",	"Error sonda grupo 3",
"Errore sonda gruppo 4"	"Group probe 4 error",	"Erreur sonde groupe 4",	"Fehler Sonde Brühgr. 4",	"Error sonda grupo 4",
"Errore sonda caldaia 1"	"Boiler probe 1 error",	"Erreur sonde chaudière 1",	"Fehler Sonde Boiler 1",	"Error sonda caldera 1",
"Errore sonda caldaia 2"	"Boiler probe 2 error",	"Erreur sonde chaudière 2",	"Fehler Sonde Boiler 2",	"Error sonda caldera 2",
"Errore sonda caldaia 3"	"Boiler probe 3 error",	"Erreur sonde chaudière 3",	"Fehler Sonde Boiler 3",	"Error sonda caldera 3",
"Errore sonda caldaia 4"	"Boiler probe 4 error",	"Erreur sonde chaudière 4",	"Fehler Sonde Boiler 4",	"Error sonda caldera 4",

12. MAINTENANCE CHECKING



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12.2 WEEKLY MAINTENANCE BY THE BARISTA ..	12.2
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12.5 YEARLY MAINTENANCE KIT	12.4

12.1 DAILY MAINTENANCE BY THE BARISTA

T3 / DIGIT VERSION

Required time 15 minutes.

- ☐ Machine cleaning.
- ☐ Unit washing with blind filter.

12.2 WEEKLY MAINTENANCE BY THE BARISTA

T3 / DIGIT VERSION

Required time 30 minutes.

- ☐ Machine cleaning.
- ☐ Unit cleaning with blind filter and Pulycaff.
- ☐ Wash the black-plastic draining pan (on the stainless steel work surface and the black panel).
- ☐ Cleaning of the coffee bean container of the grinder with a damp cloth.
- ☐ Insert the filter holder and the filters in a solution of Pulycaff and hot water.

12.3 MAINTENANCE EVERY 4-6 MONTHS

Required time 60 minutes.

The required time is approx.ly 1-1.5 continuous hours. The skilled technician should take all the necessary precautions relating to safety measures to insulate the machine from the mains and avoid steam pressure whilst working and the water pressure at zero to prevent flooding. Inform the manager responsible about timing and the need to operate on the electric and water systems of the premises before proceeding to avoid interruptions and complete all procedures easily without further requests. Before proceeding, remove all perimeter coverings and make sure there are no damages or leakages.

- ☐ Check the machine for any sign of leakage.
- ☐ Make sure wires are not damaged.
- ☐ Check pump noise.
- ☐ Check the discharge tank for blocks.
- ☐ Check hot water nozzle for leakages.
- ☐ Check anti-vacuum valve.
- ☐ Check the safety valve.
- ☐ Check automatic filling function.
- ☐ Check steam pressure (____ Bar).
- ☐ Check water pressure (____ Bar).
- ☐ Check pump pressure (____ Bar).
- ☐ Check dosage and quality of all products on each unit.
- ☐ Check water level in the heater.
- ☐ Check valves for any sign of leakage.
- ☐ Make sure the screen is not damaged or faulty.
- ☐ DIGIT VERSION: Check steam heater for leakages.
- ☐ T3 VERSION: Check steam and coffee heaters for leakages.
- ☐ Check and note the number of cycles made by the units G1 ____ G2 ____ G3 ____.
- ☐ Check total counter, if present (Total ____).
- ☐ Replace underpan seals (40200004).
- ☐ Replace coffee-holders (03000066).
- ☐ Insert or replace, if necessary, shims under the seal (02060014).
- ☐ Replace steam nozzle seals (02280014).

NOTE

The water hardness must be below 6° fr (French degree).

The chlorine content must not exceed 100 mg.

12.4 YEARLY MAINTENANCE

Required time 120-150 minutes.

The required time is approx.ly 2-2.5 continuous hours. The skilled technician should take all the necessary precautions relating to safety measures to insulate the machine from the mains and avoid steam pressure whilst working and the water pressure at zero to prevent flooding. Inform the manager responsible about timing and the need to operate on the electric and water systems of the premises before proceeding to avoid interruptions and complete all procedures easily without further requests. Before proceeding, remove all perimeter coverings and make sure there are no damages or leakages.

- ☐ Check the machine for any sign of leakage.
- ☐ Make sure wires are not damaged.
- ☐ Check pump noise.
- ☐ Check the discharge tank for blocks.
- ☐ Check hot water nozzle for leakages.
- ☐ Check anti-vacuum valve.
- ☐ Check the safety valve.
- ☐ Check automatic filling function.
- ☐ Check steam pressure (____Bar).
- ☐ Check water pressure (____Bar).
- ☐ Check pump pressure (____Bar).
- ☐ Check water hardness (____°F).
- ☐ Check dosage and quality of all products on each unit.
- ☐ Check water level in the heater.
- ☐ Check valves for any sign of leakage.
- ☐ Make sure the screen is not damaged or faulty.
- ☐ DIGIT VERSION: Check steam heater for leakages.
- ☐ T3 VERSION: Check steam and coffee heaters for leakages.
- ☐ Check and note the number of cycles made by the units G1 ____ G2 ____ G3 ____.
- ☐ Check total counter (Total ____).
- ☐ Replace underpan seals (40200004).
- ☐ Replace coffee-holders (03000066).
- ☐ Insert or replace, if necessary, shims under the seal (02060014).
- ☐ Replace anti-vacuum valve (01000023).
- ☐ Replace pre-infusion chamber seals (02280012).
- ☐ Replace steam nozzle seals (02280036).
- ☐ Replace the O-rings of the steam tap (02280014).
- ☐ Replace steam nozzle guards (05000001).
- ☐ Replace steam closing piston (98008004).
- ☐ T3 VERSION: Replace the 2-coffee filter (03000073).
- ☐ T3 VERSION: Replace the 1-coffee filter (03000072).
- ☐ Replace steam nozzle seal (02280037).
- ☐ Replace nozzle support seal (02280011).
- ☐ T3 VERSION: Replace coffee heater expansion valves (98120005).
- ☐ T3 VERSION: Replace Teflon injector inside the coffee heater (98030500).
- ☐ T3 VERSION: Replace check valves (98110001).

NOTE

The water hardness must be below 6° fr (French degree).
The chlorine content must not exceed 100 mg.

12.5 YEARLY MAINTENANCE KIT



YEARLY MAINTENANCE KIT

AURELIA WAVE DIGIT

2 groups - Code: 98260000000092

3 groups - Code: 98260000000093

AURELIA WAVE T3

2 groups - Code: 98260000000095

3 groups - Code: 98260000000096

Long life group gasket kit (**6 pcs**) (**Digit - T3**) - **Code:** KRIC0001

SPARE PARTS AVAILABLE IN THE KITS

Bag 4 and 8 months

AURELIA WAVE - 2 groups

2x40200004

2x03000066

4x02280014

AURELIA WAVE - 3 groups

3x40200004

3x03000066

4x02280014

2X

Bag 12 months

AURELIA WAVE - 2 groups

2x40200004

2x03000066

2x02060014

1x01000023

2x02280012

4x02280014

2x02280036

2x05000001

2x98008004

2x02280037

2x02280011

1x03000073 (T3)

1x03000072 (T3)

3x98120005 (T3)

3x98030500 (T3)

3x98110001 (T3)

AURELIA WAVE - 3 groups

3x40200004

3x03000066

3x02060014

1x01000023

2x02280012

4x02280014

2x02280036

2x05000001

2x98008004

2x02280037

2x02280011

1x03000073 (T3)

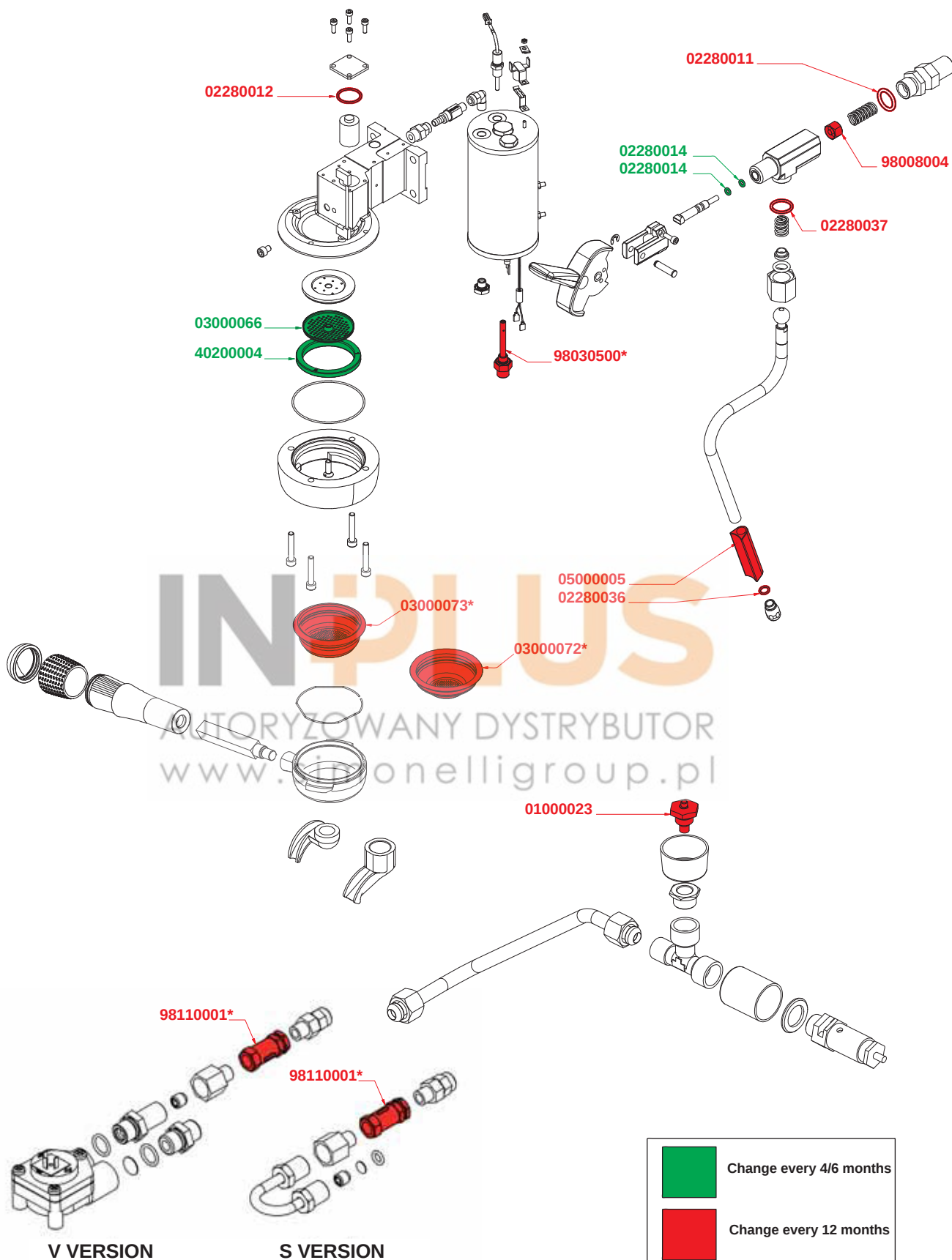
1x03000072 (T3)

3x98120005 (T3)

3x98030500 (T3)

3x98110001 (T3)

1X

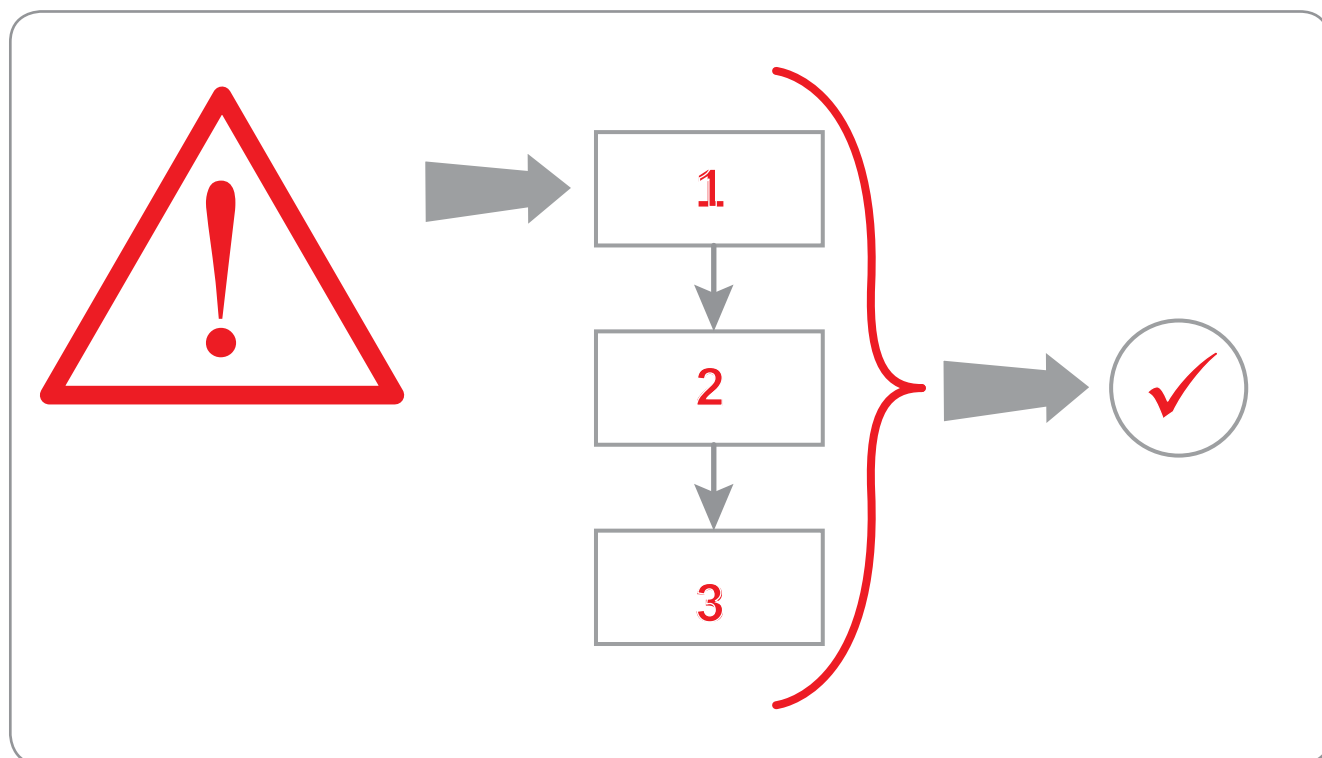


	Change every 4/6 months
	Change every 12 months
*	T3 version only

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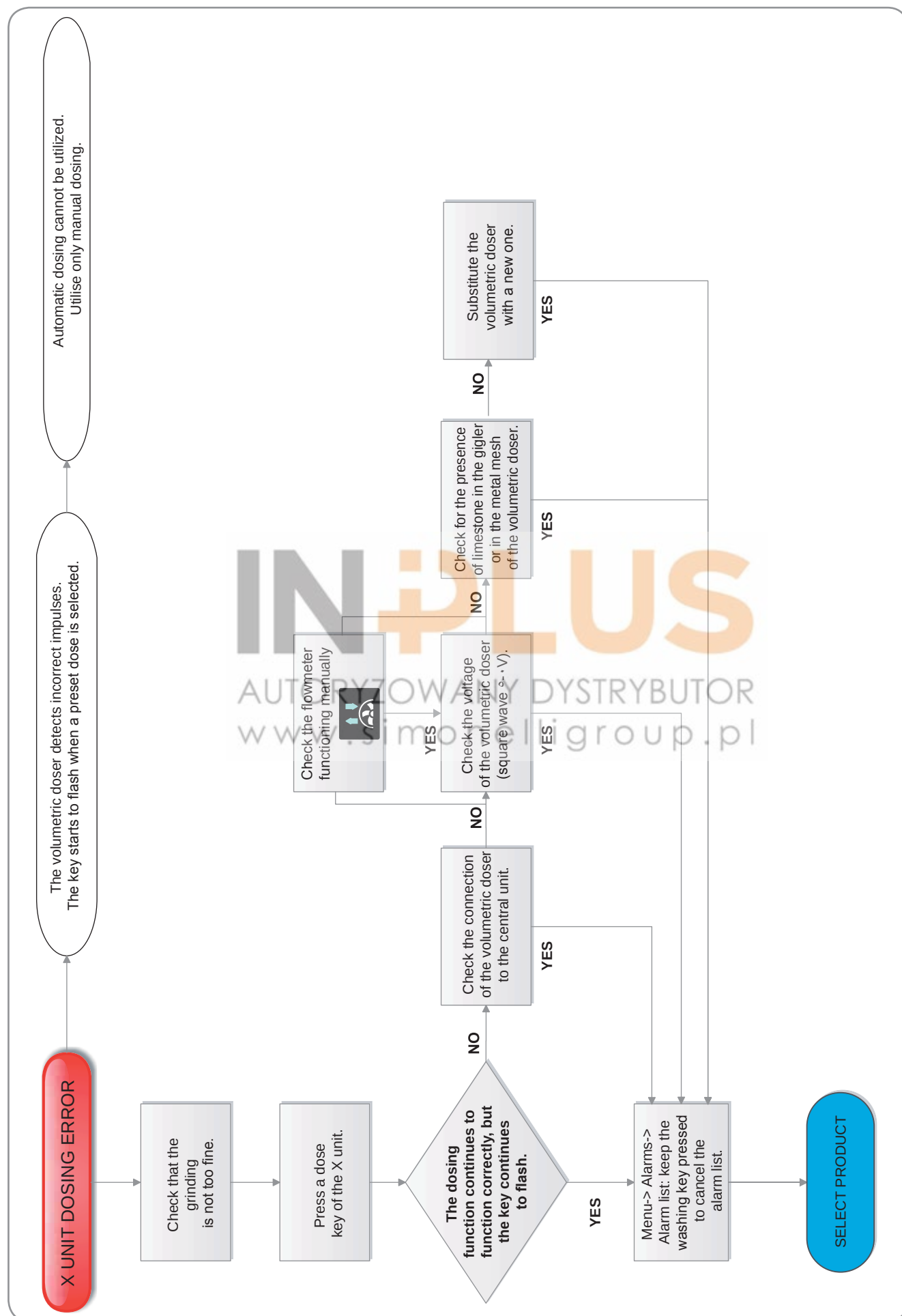
13. TROUBLESHOOTING



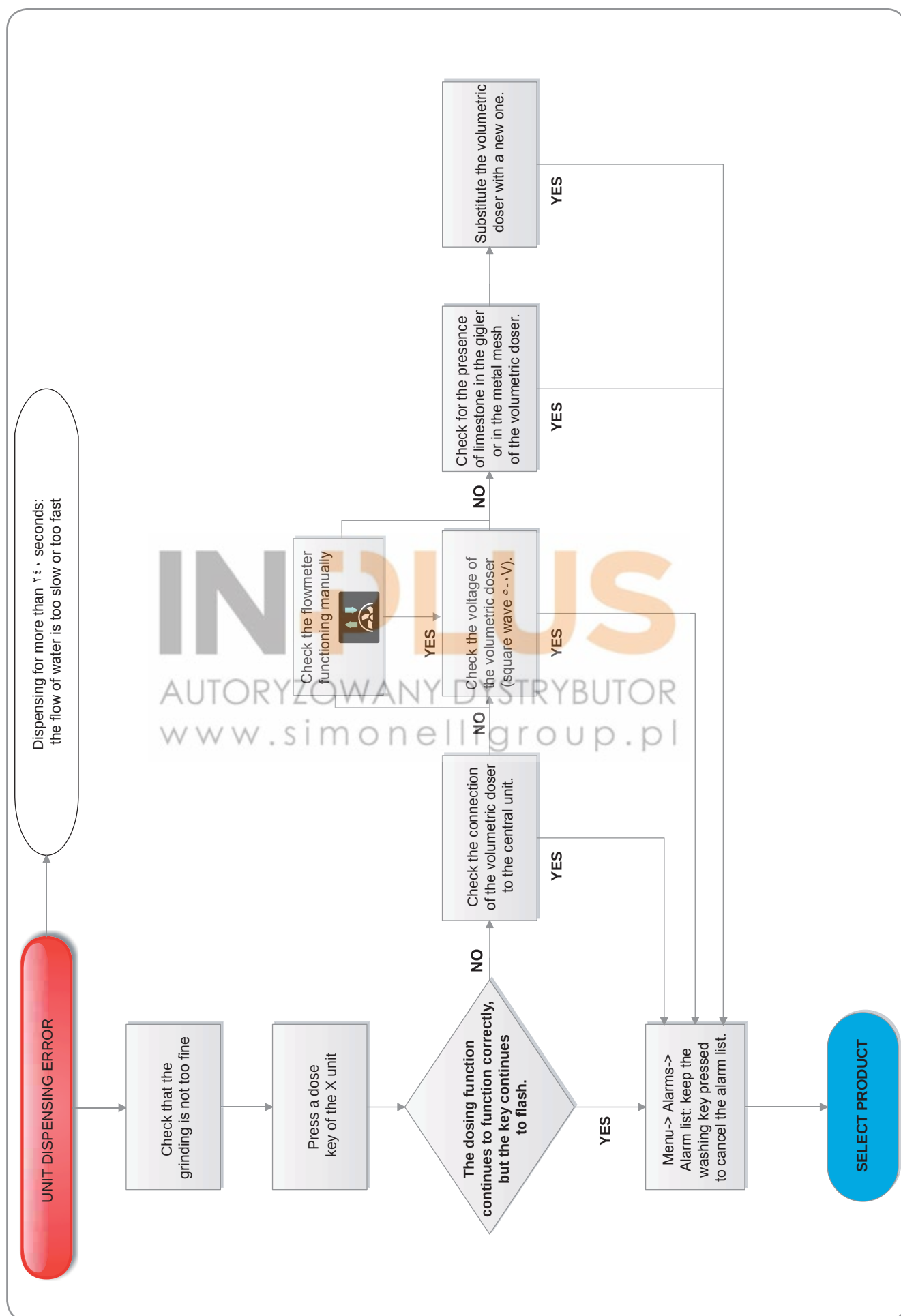
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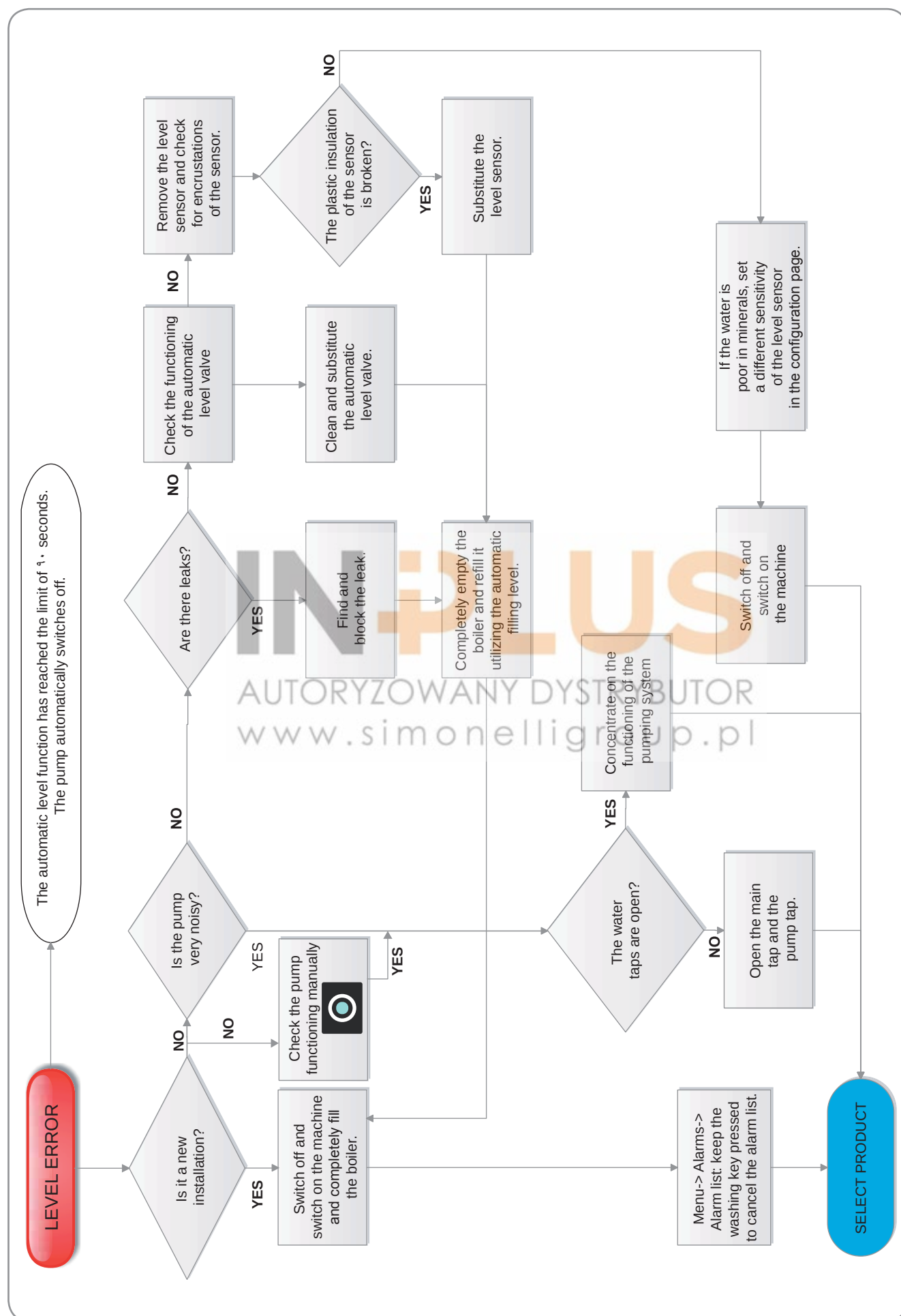
13.1 UNIT DOSAGE ERROR (VERSION DIGIT / T3)



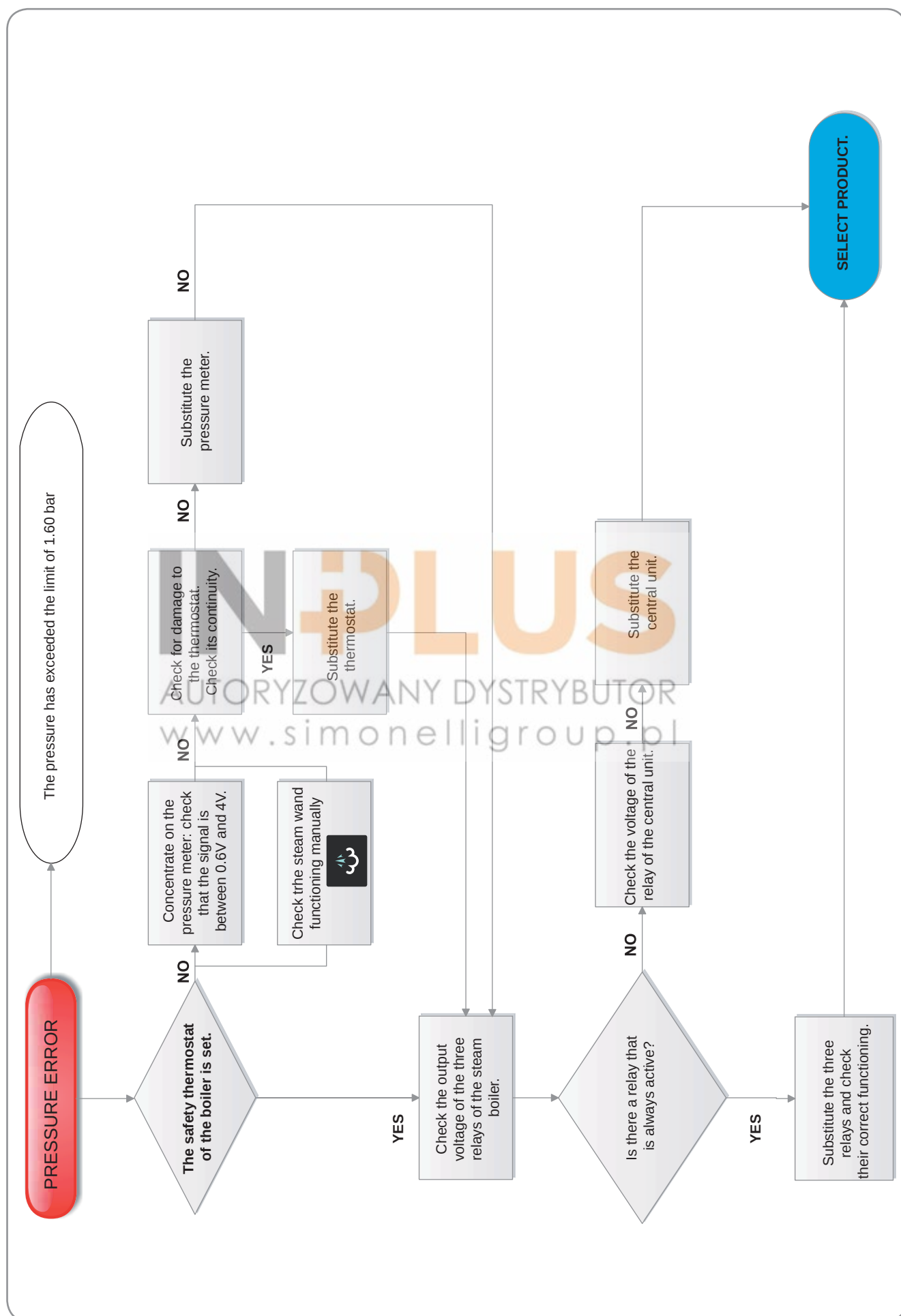
13.2 UNIT DELIVERY ERROR (VERSION DIGIT / T3)



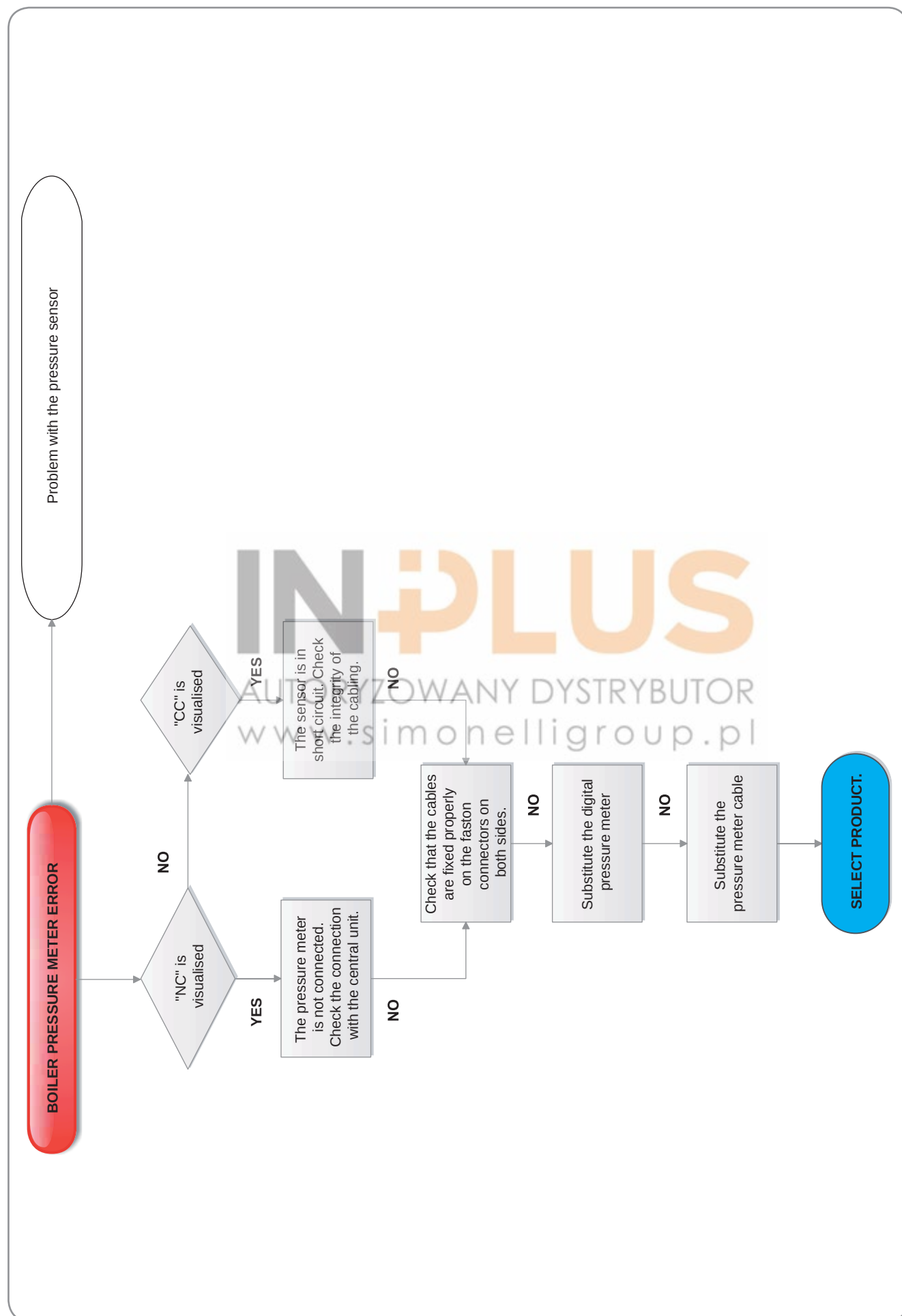
13.3 LEVEL ERROR (VERSION DIGIT / T3)



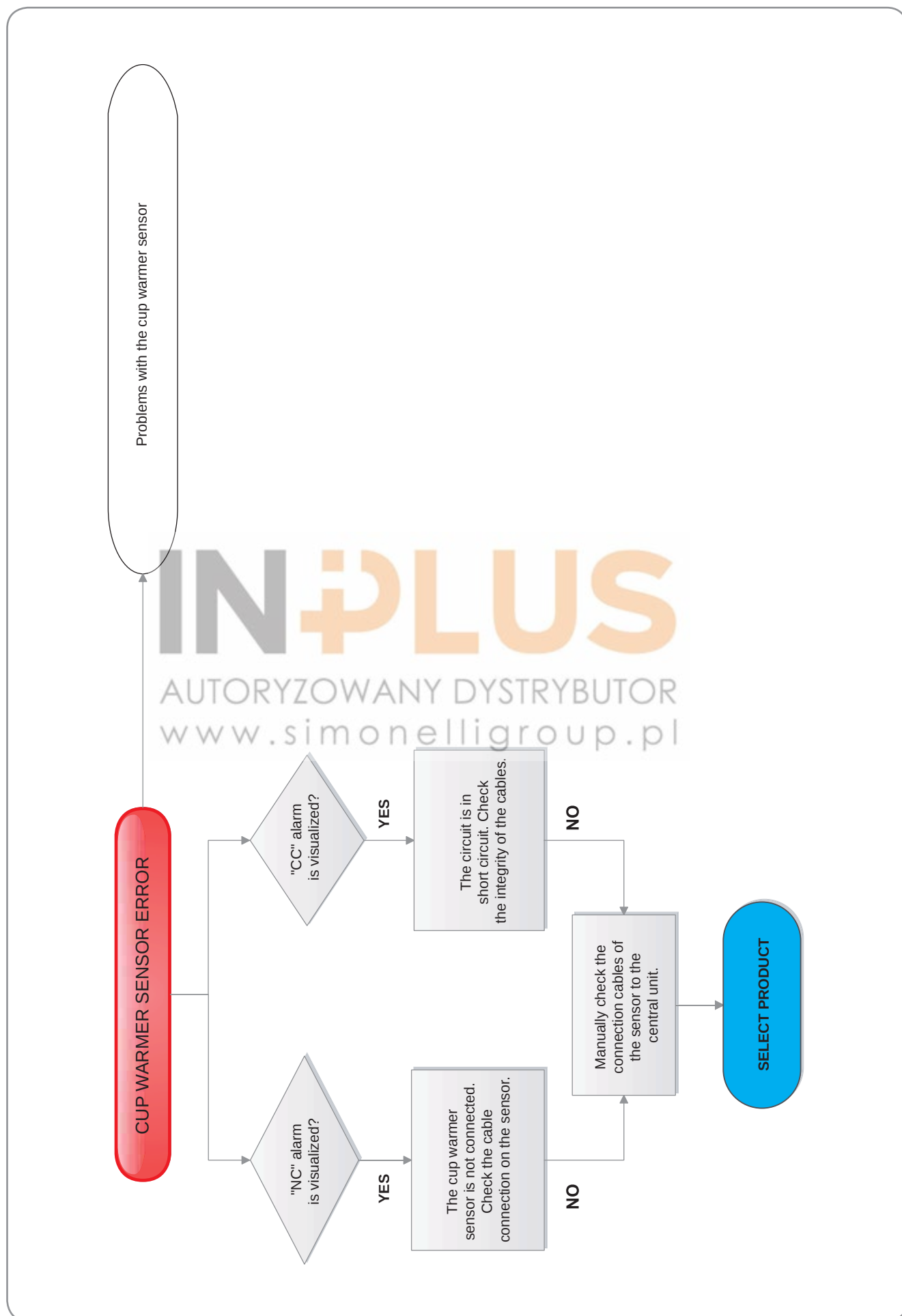
13.4 PRESSURE ERROR (VERSION DIGIT / T3)



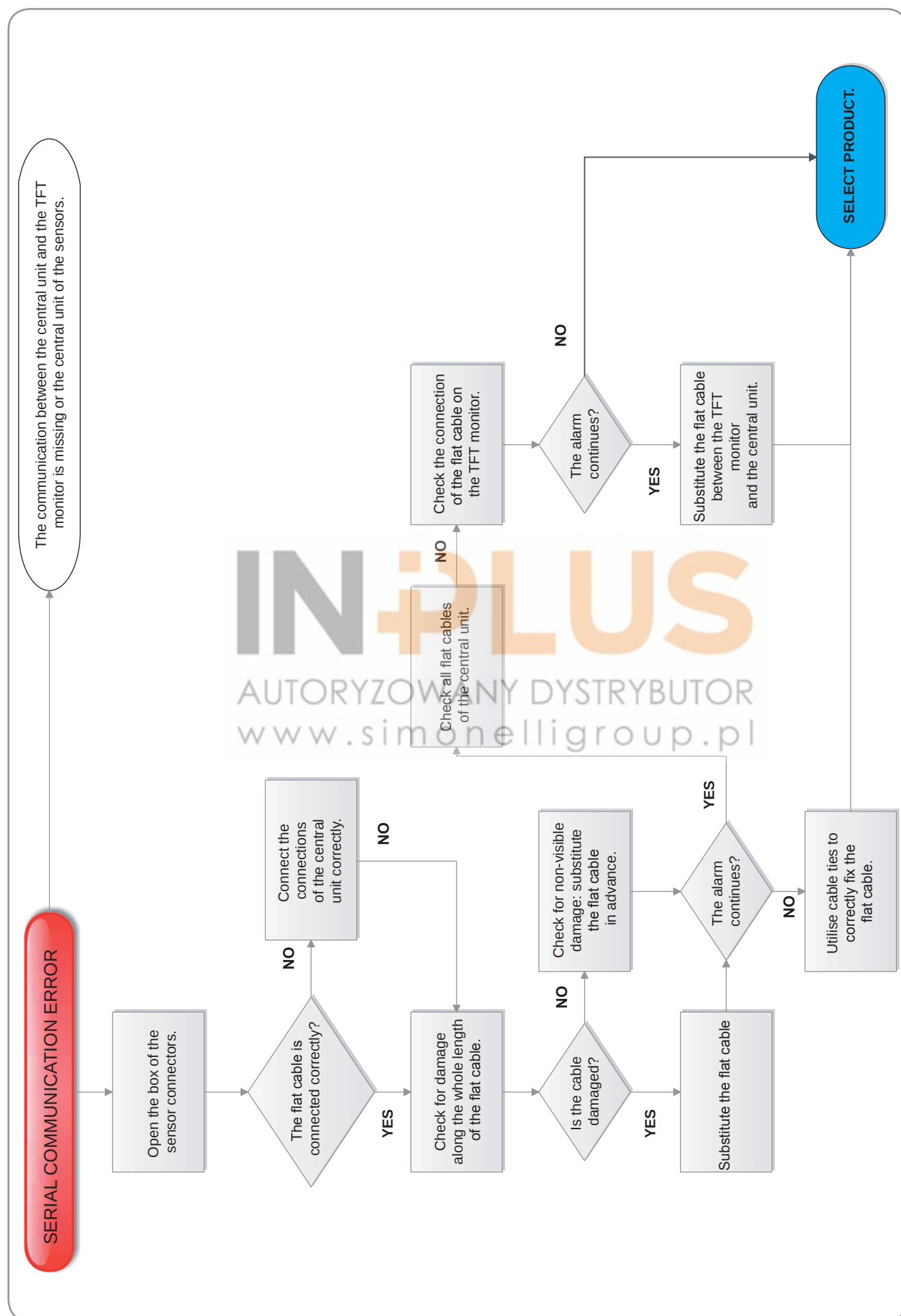
13.5 HEATER PRESSURE SWITCH ERROR (VERSION DIGIT / T3)



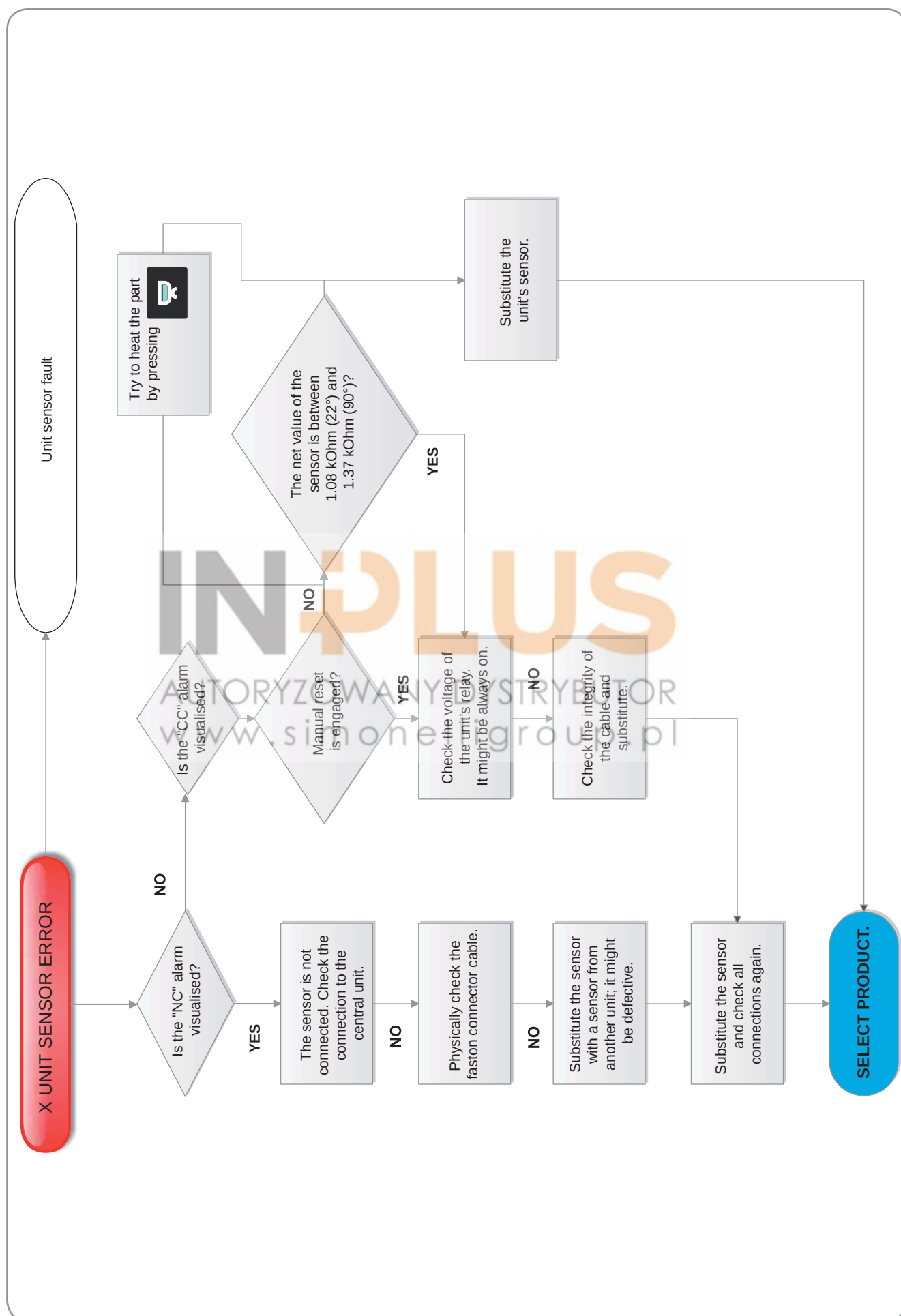
13.6 CUP WARMER PROBE ERROR (VERSION DIGIT / T3)



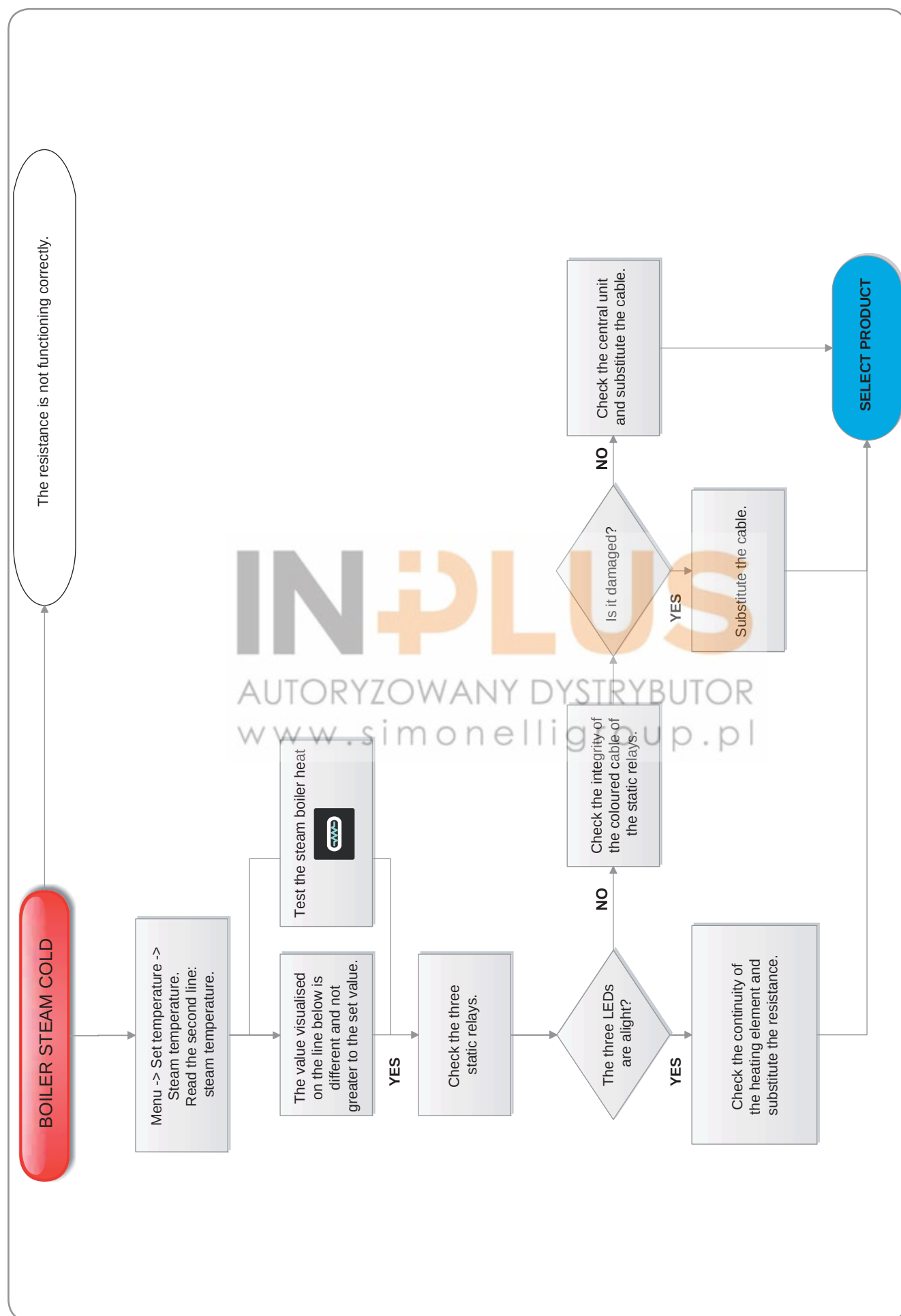
13.7 SERIAL COMMUNICATION ERROR (VERSION T3)



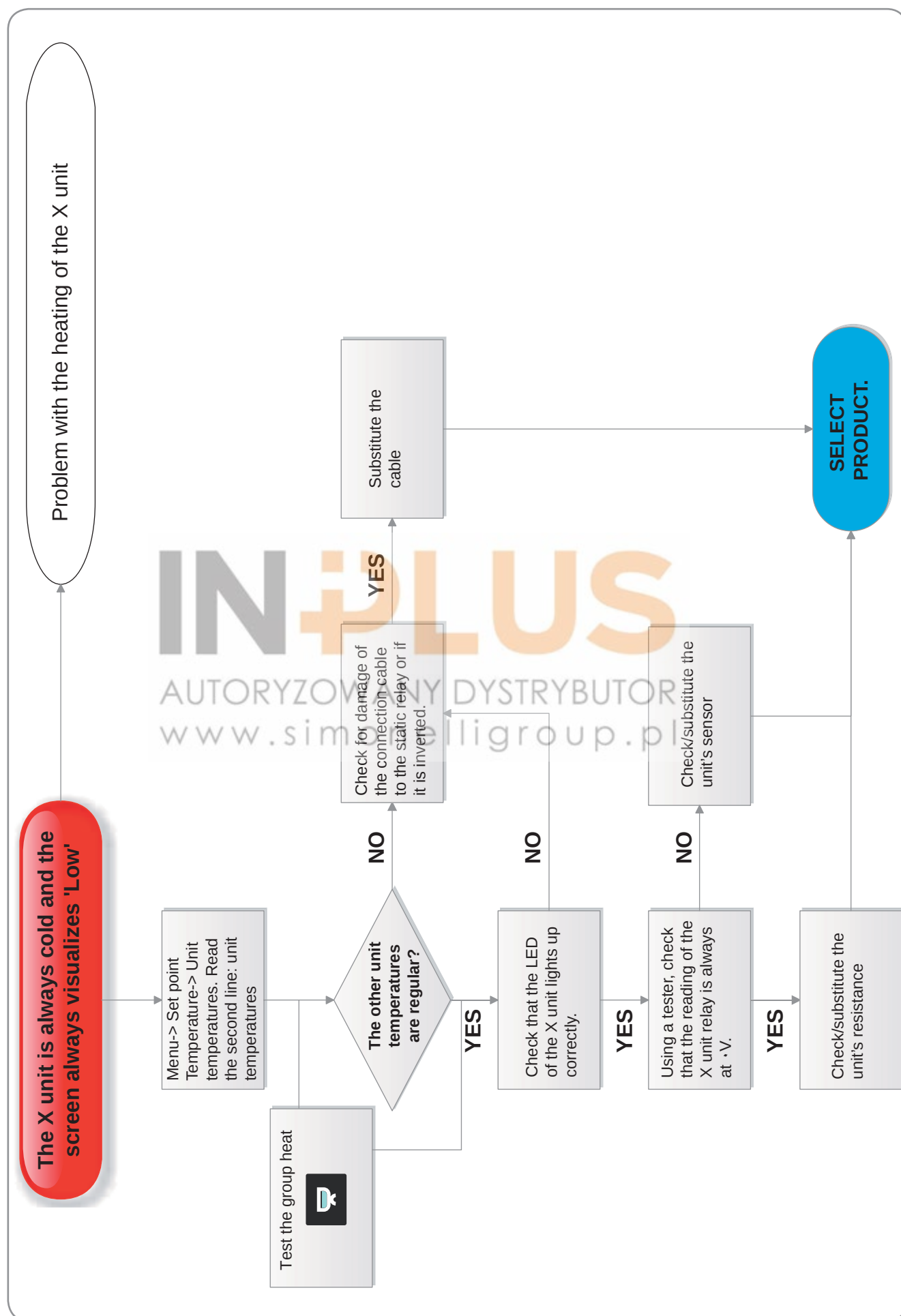
13.8 ERROR OF X UNIT PROBE (VERSION T3)



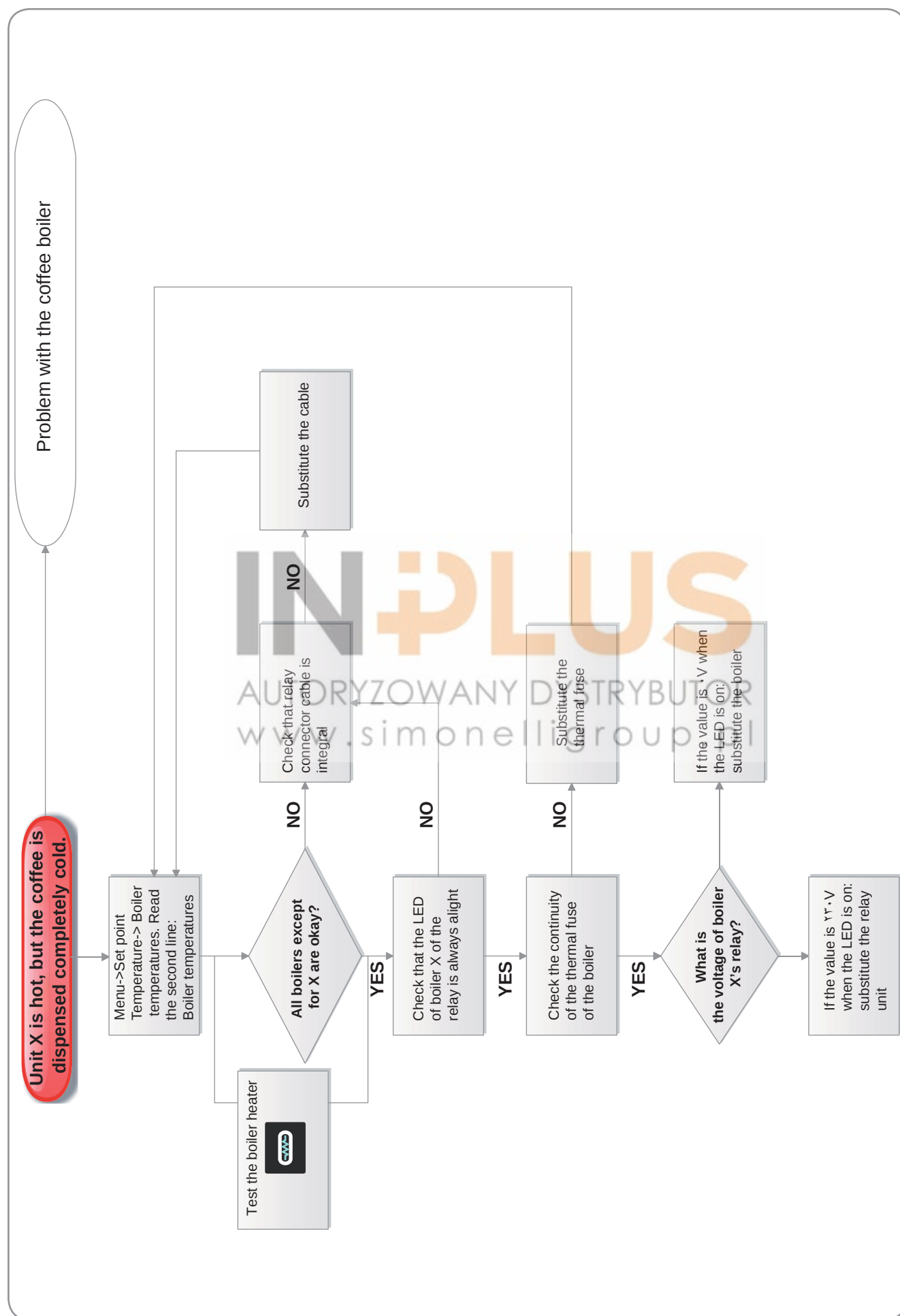
13.9 COLD STEAM HEATER (VERSION DIGIT / T3)



13.10 ERROR OF X UNIT HEATING (VERSION T3)



13.11 HEATER ERROR (VERSION T3)



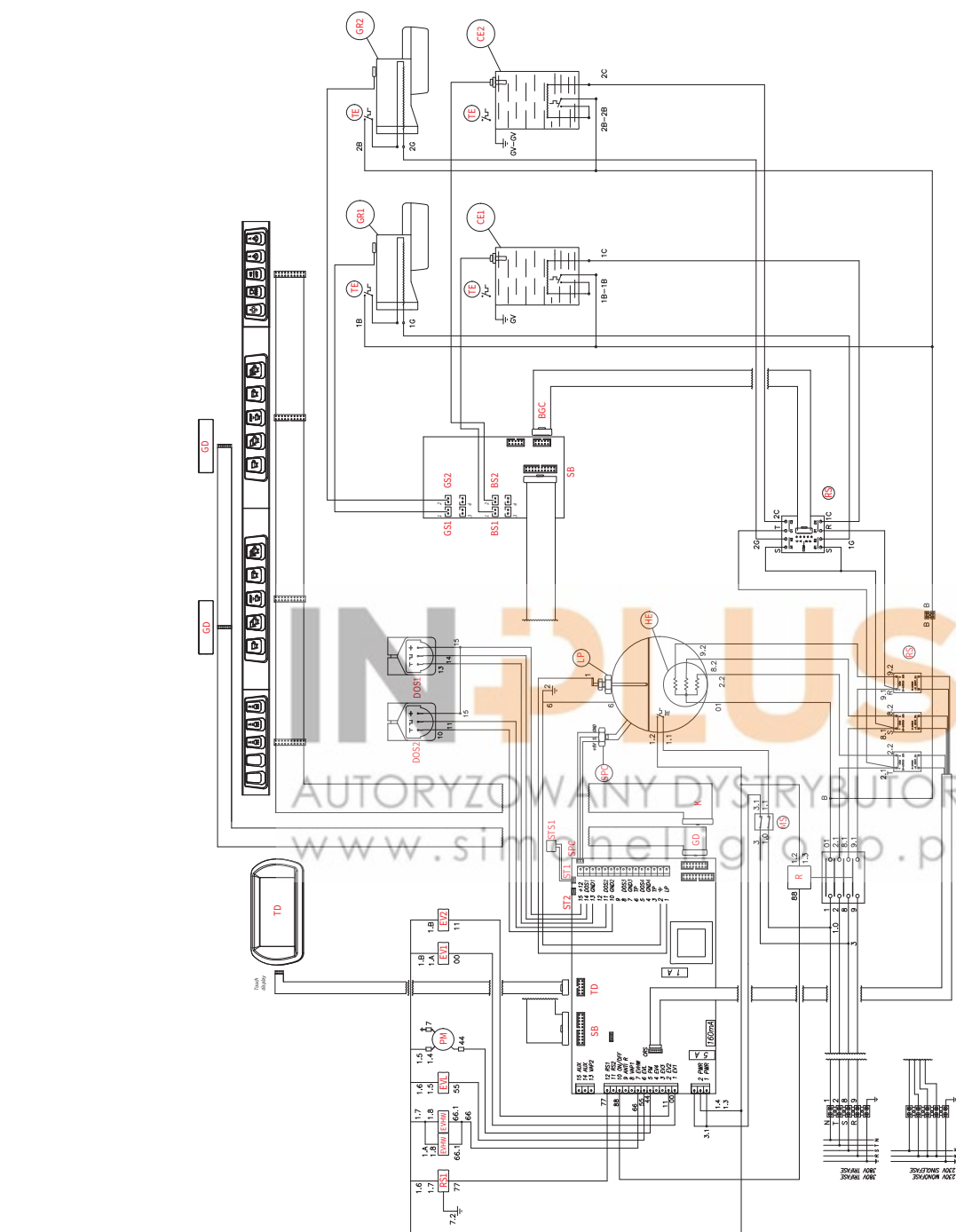
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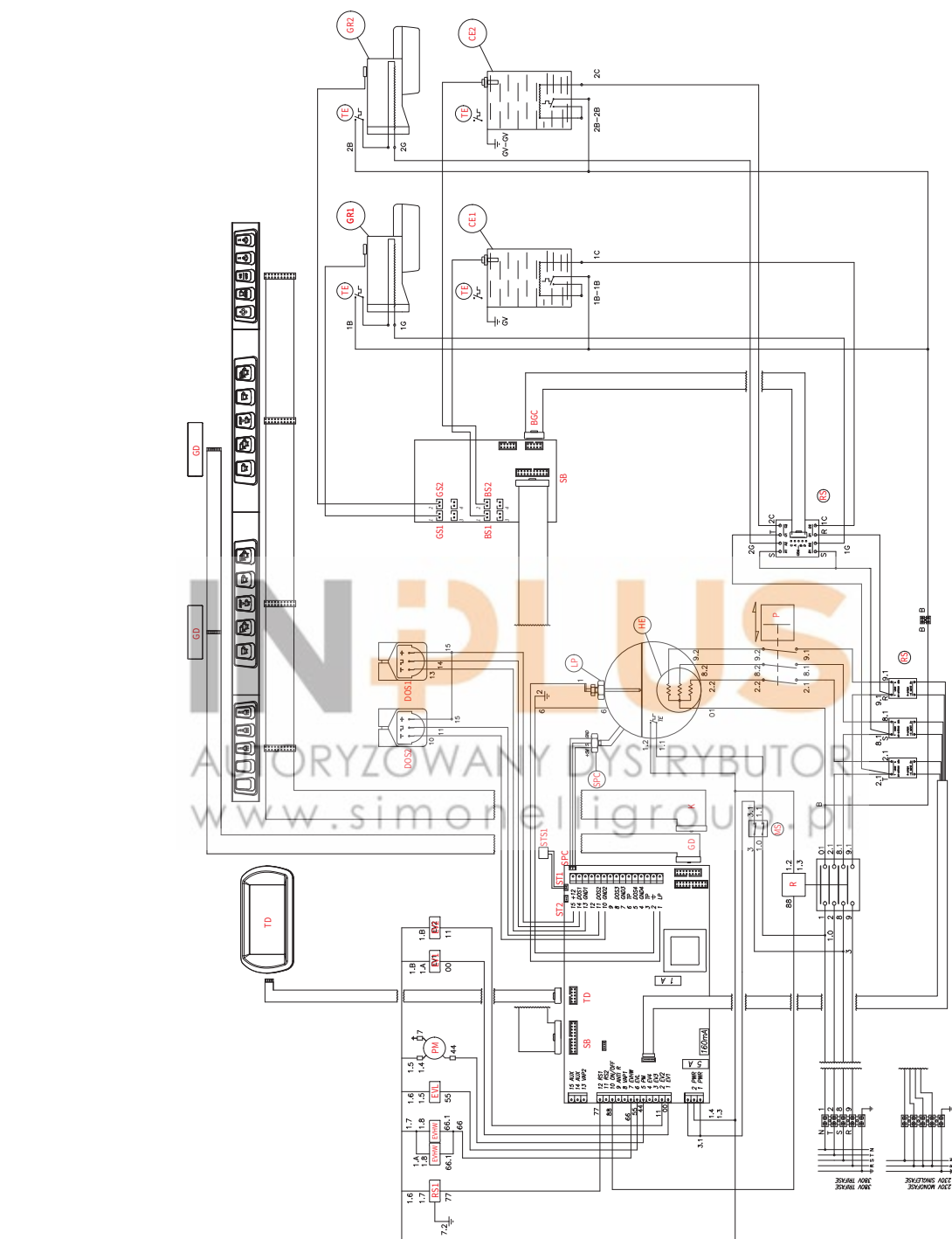
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14.1 ELECTRICAL DIAGRAM 2 GROUPS



- MS Main Switch
- R Relay
- PM Pump Motor
- HE Boiler Heating Element
- TE Thermostat
- EV2 Electrovalve group 2
- EV1 Electrovalve group 1
- LP Level Probe
- EVHW Mixer electrovalve
- RS1 Cupwarmer heating element 1
- EVL Water level elec.
- ST1 Cupwarmer temperature probe 1
- ST2 Cupwarmer temperature probe 2
- STS1 Cupwarmer temperature probe 1
- STS2 Cupwarmer temperature probe 2
- RS Relay
- DOS1 Volumetric doser 1
- DOS2 Volumetric doser 2
- SPC Digital pressostat
- GS1 Sensor of group 1
- GS2 Sensor of group 2
- BS1 Sensor of boiler 1
- BS2 Sensor of boiler 2
- GR1 Group 1
- GR2 Group 2
- CE1 Boiler 1
- CE2 Boiler 2
- TD Touch Screen display
- GD Group display
- SB Sensor board
- BGC Boiler control group

14.2 ELECTRICAL DIAGRAM 2 GROUPS CSA



- MS Main Switch
- R Relay
- PM Pump Motor
- HE Boiler Heating Element
- TE Thermostat
- EV2 Electrovalve group 2
- EV1 Electrovalve group 1
- LP Level Probe
- EVHW Mixer electrovalve
- RS1 Cupwarmer heating element 1
- EVL Water level elec.
- ST1 Cupwarmer temperature probe 1
- ST2 Cupwarmer temperature probe 2
- STS1 Cupwarmer temperature probe 1
- STS2 Cupwarmer temperature probe 2
- RS Relay
- DOS1 Volumetric doser 1
- DOS2 Volumetric doser 2
- SPC Digital pressostat
- P Safety pressure switch
- GS1 Sensor of group 1
- GS2 Sensor of group 2
- BS1 Sensor of boiler 1
- BS2 Sensor of boiler 2
- GR1 Group 1
- GR2 Group 2
- CE1 Boiler 1
- CE2 Boiler 2
- TD Touch Screen display
- GD Group display
- SB Sensor board
- BGC Boiler control group

14.3 ELECTRICAL DIAGRAM 3 GROUPS

- MS

Main Switch
- R

Relay
- PM

Pump Motor
- HE

Boiler Heating Element
- TE

Thermostat
- EV1

Electrovalve group 1
- EV2

Electrovalve group 2
- EV3

Electrovalve group 3
- LP

Level Probe
- EVHW

Mixer electrovalve
- RS1

Cupwarmer heating element 1
- EVL

Water level elec.
- ST1

Cupwarmer temperature probe 1
- ST2

Cupwarmer temperature probe 2
- STS1

Cupwarmer temperature probe 1
- STS2

Cupwarmer temperature probe 2
- RS

Relay
- DOS1

Volumetric doser 1
- DOS2

Volumetric doser 2
- DOS3

Volumetric doser 3
- SPC

Digital pressostat
- GS1

Sensor of group 1
- GS2

Sensor of group 2
- GS3

Sensor of group 3
- BS1

Sensor of boiler 1
- BS2

Sensor of boiler 2
- BS3

Sensor of boiler 3
- GR1

Group 1
- GR2

Group 2
- CE1

Boiler 1
- CE2

Boiler 2
- CE3

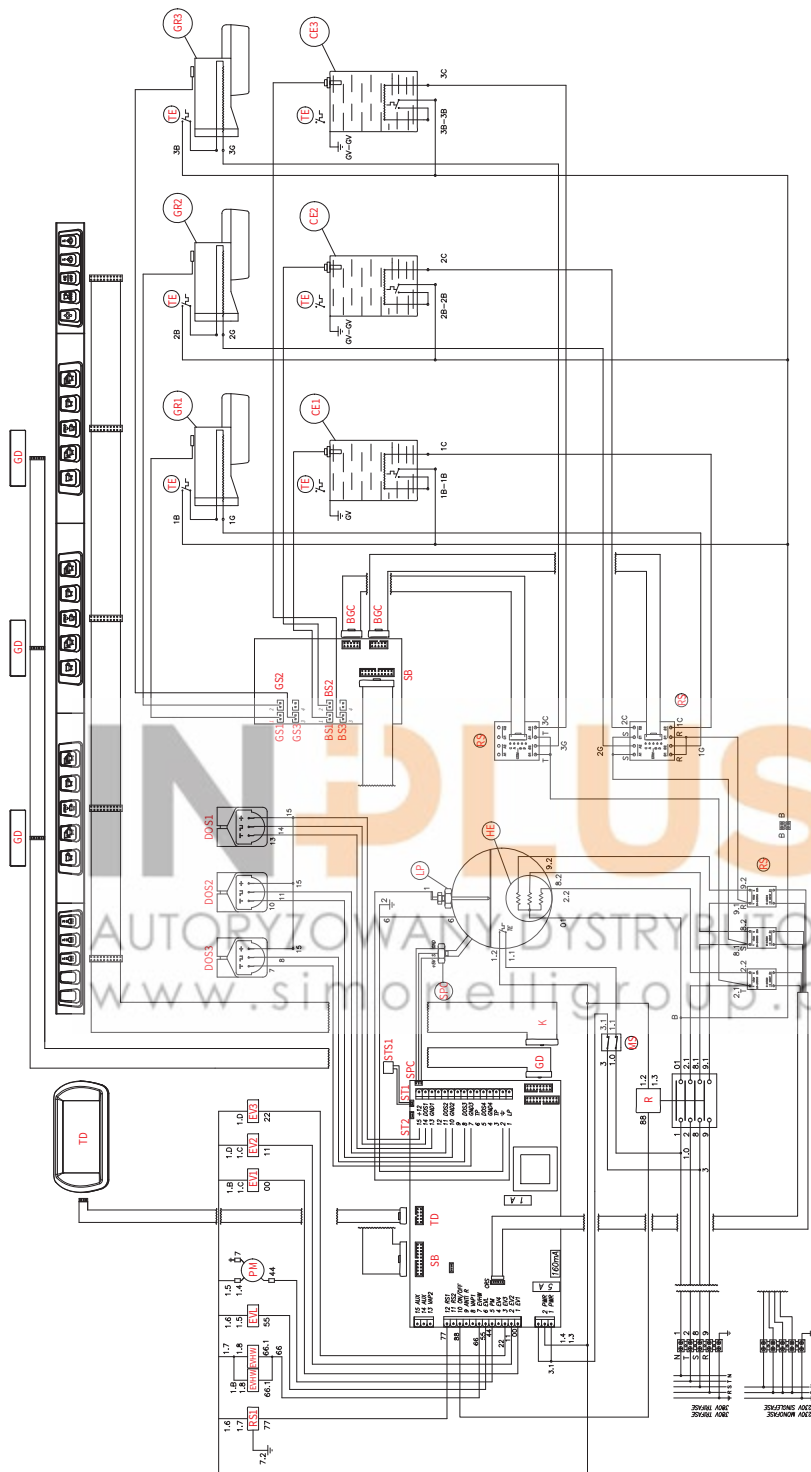
Boiler 3
- TD

Touch Screen display
- GD

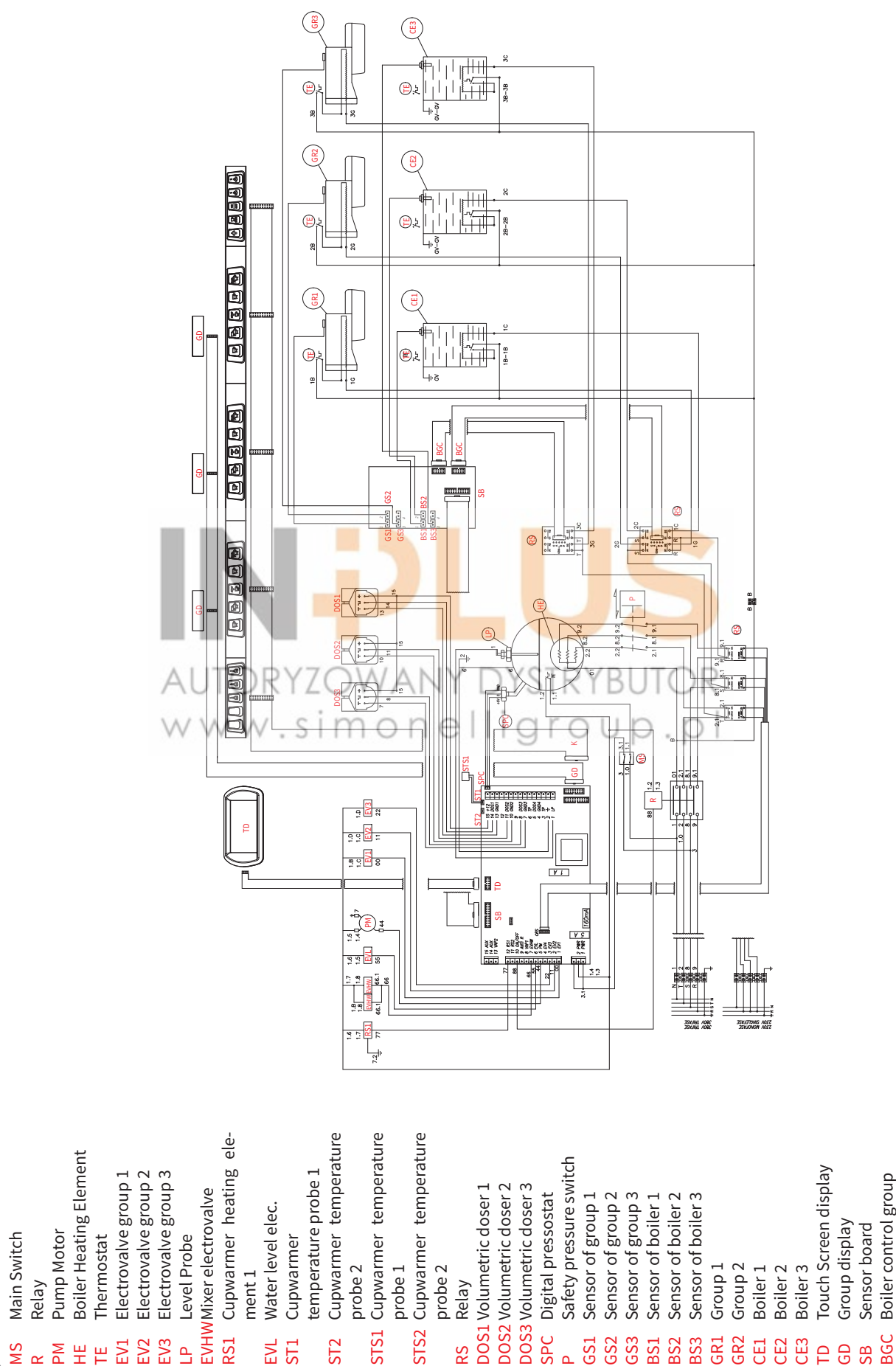
Group display
- SB

Sensor board
- BGC

Boiler control group

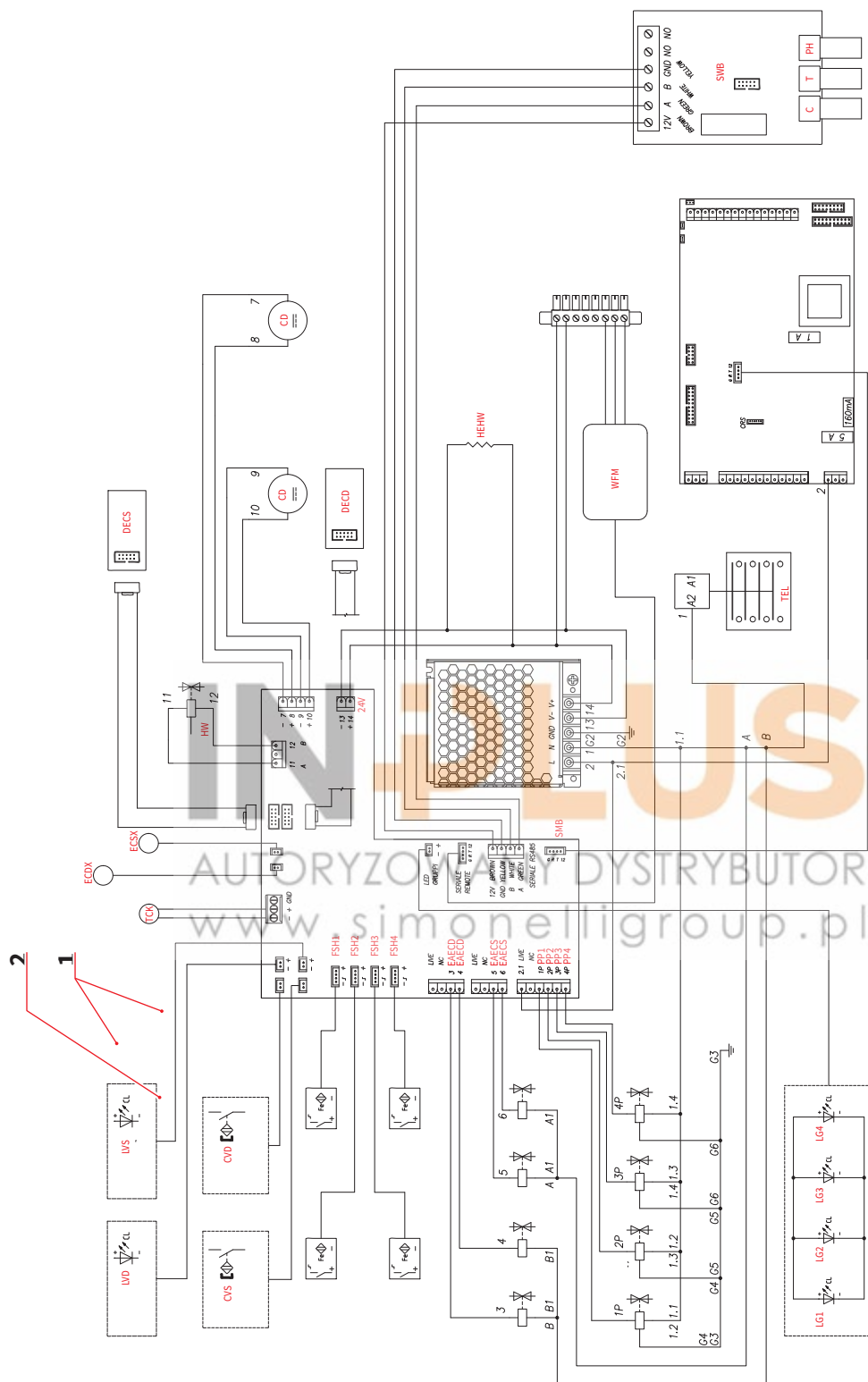


14.4 ELECTRICAL DIAGRAM 3 GROUPS CSA

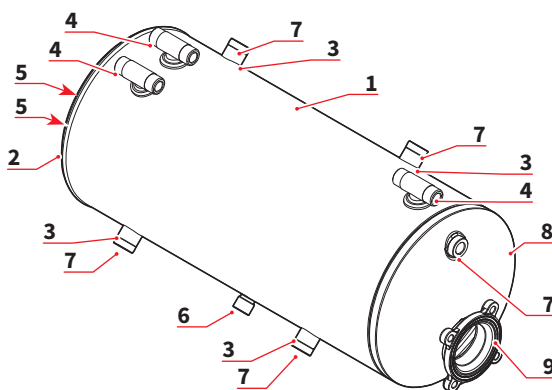


14.5 ELECTRICAL DIAGRAM OPTIONAL

- ECDX Right EasyCream resistive sensor
 ECSX Left EasyCream resistive sensor
 TCK Thermocouple K
 LVD Right steam LED
 LVS Left steam LED
 CVD Right steam contact
 CVS Left steam contact
 FHS1 Sensor of filter holder 1
 FHS2 Sensor of filter holder 2
 FHS3 Sensor of filter holder 3
 FHS4 Sensor of filter holder 4
 EAECD Right EasyCream air el.
 EAECD Left EasyCream air el.
 SMB Main Board Serial
 PP1 Preinfusion Pulse 1
 PP2 Preinfusion Pulse 2
 PP3 Preinfusion Pulse 3
 PP4 Preinfusion Pulse 4
 LG1 LED Group 1
 LG2 LED Group 2
 LG3 LED Group 3
 LG4 LED Group 4
 DECS Left EasyCream display
 DECS Right EasyCream display
 HW Hot water
 CD Right compressor
 CS Left compressor
 24 V Power supply
 HEHW Hot water heating element
 WFM WiFi module
 TEL Contactor
 SWB Smart Water Box
 C Capacity Probe
 T Temperature Probe
 PH Ph Probe



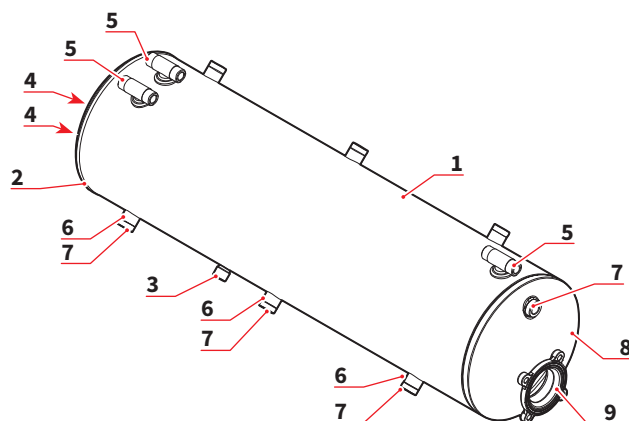
14.6 BOILER DIAGRAM 2 GROUPS



LIST PARTS				
Element	Q.ty	Part Number	Description	Material
1	1	0016130	Aurelia boiler body D.180 2 Gr 2	Cu-DHP 99.9
2	1	00010370	Bevel gear D.180 2 holes	Cu-DHP 99.9
3	2	00161960	Pipe D54X1,5	Cu-DHP 99.9
4	3	00061871	Steam inlet coupling	OT57 CW510L
5	2	00061551	Elbow for welding 3/8 M.	OT57 CW510L
6	1	00030251	Coupling 3/8" Male	OT57 CW510L
7	5	00030271	Coupling G1/4" F through OT57	OT57 CW510L
8	1	00016280	Bevel gear D.180 PR 2015	Cu-DHP 99.9
9	1	00063130	Flange heating element 4 holes 2013	OT57 CW510L
Material			Copper, Brass	

DATA DRAFT DIRECTIVE PED 97/23/CE	
VOLUMES	11 LT
TS	130.5°
P.V.S.	1.8 Bar
PT	2.7 Bar
FLUID	H2O

14.7 BOILER DIAGRAM 3 GROUPS



LIST PARTS

Element	Q.ty	Part Number	Description	Material
1	1	00016100	Shell ring Aurelia D.180 3 Gr 2 cups	Copper Cu-DHP 99.9
2	1	00010370	Bevel gear D.180 2 holes	Copper Cu-DHP 99.9
3	1	00030251	Coupling 3/8" Male	OT57 CW510L
4	2	00061551	Elbow for welding 3/8 M	OT57 CW510L
5	3	00061871	Steam inlet coupling	OT57 CW510L
6	3	00161960	Pipe D20X1	Copper Cu-DHP 99.9
7	7	00030271	Coupling G1/4" F through OT57	OT57 CW510L
8	1	00016280	Bevel gear D.180 PR 2015	Copper Cu-DHP 99.9
9	1	00063130	Flange heating element 4 holes 2013	Brass
Material			Copper, Brass	

DATA DRAFT DIRECTIVE PED 97/23/CE

VOLUMES	17 LT
TS	130.5°
P.V.S.	1.8 Bar
PT	2.7 Bar
FLUID	H2O

14.8 BOILER DIAGRAM

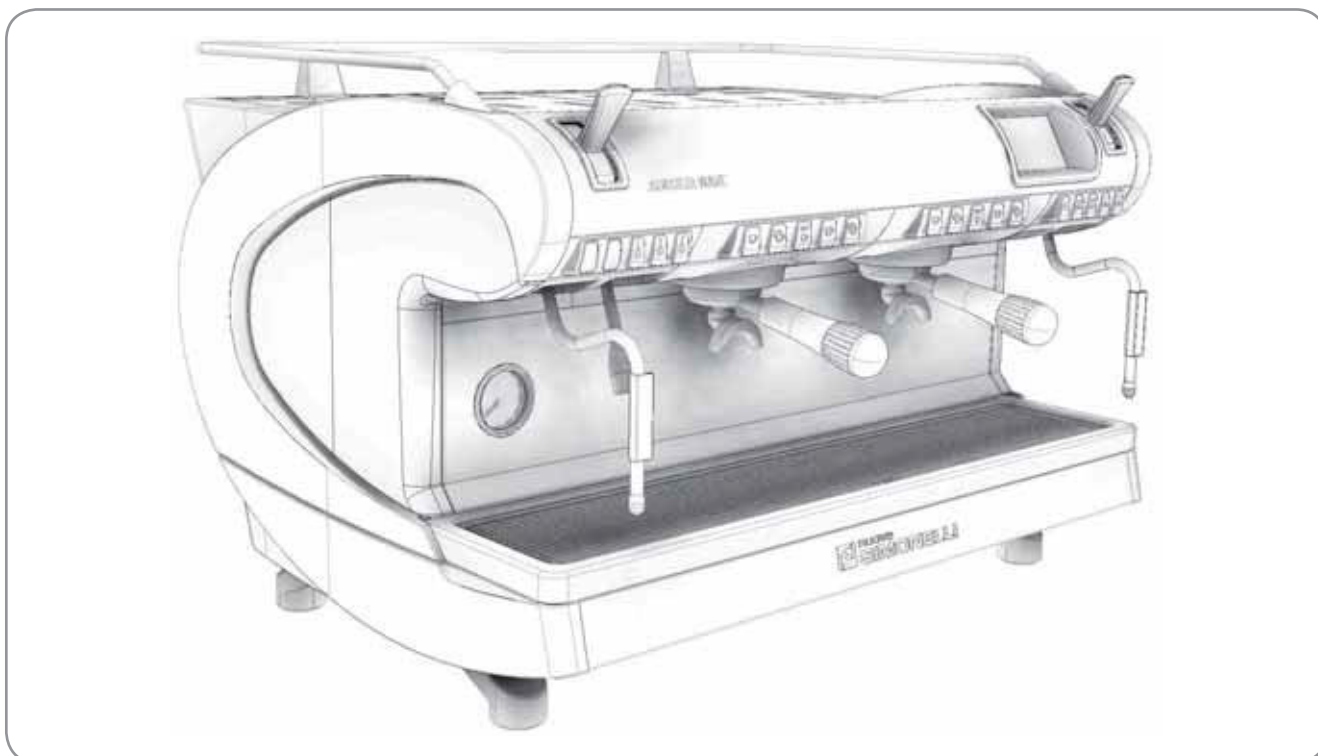


LIST PARTS				
Element	Q.ty	Part Number	Description	Material
1	1	00041002	Flange Pr machined, stainless steel + 1	Copper Cu-DHP 99.9
2	1	00040501	Flange 4 holes machined, stainless steel Microbar	Copper Cu-DHP 99.9
3	1	00042521	Stainless steel pipe D.76.1 sp1.5 Aisi 316L	OT57 CW510L
4	1	00111801	Heating element for welding 1000W 230V Stainless steel version 2009 (Dwg. GGS63597)	OT57 CW510L
5	1	00080800	Stud M3x8 stainless steel	OT57 CW510L
6	1		Bulb support pipe stainless steel	Copper Cu-DHP 99.9
7	2	00081210	Stud M4x15 stainless steel	OT57 CW510L
Material			Copper, Brass	

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15. SPARE PART CATALOGUE



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15.10 T3 VERSION PIPES	15.11
15.11 S-V-DGT VERSION PIPES	15.12
15.12 HYDRAULIC GROUP PARTS	15.13
15.13 BOILER PARTS T3 VERSION	15.14
15.14 BOILER PARTS S-V-DGT VERSION	15.15
15.15 FRAME PARTS	15.16
15.16 EASYCREAM COMPONENTS	15.17
15.17 ELECTRICAL COMPONENTS	15.18
15.18 ELECTRONIC COMPONENTS	15.19
15.19 WATER QUALITY CONTROL COMPONENTS	15.20
15.20 LIGHT COMPONENTS - WIFI KIT	15.21
15.21 CODE AND DESCRIPTION	15.22

NOTE

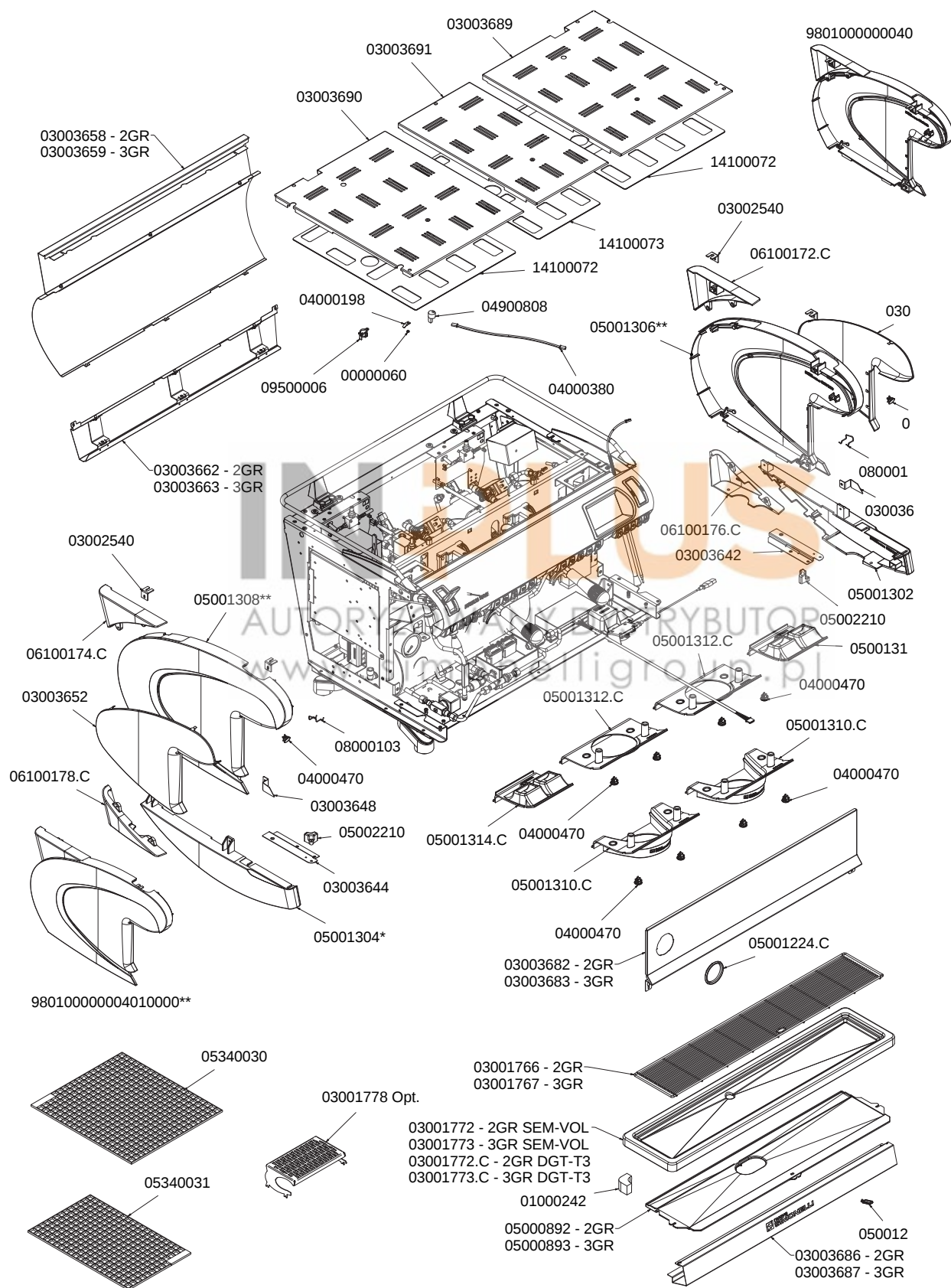
Updated to 05/2019

NOTE

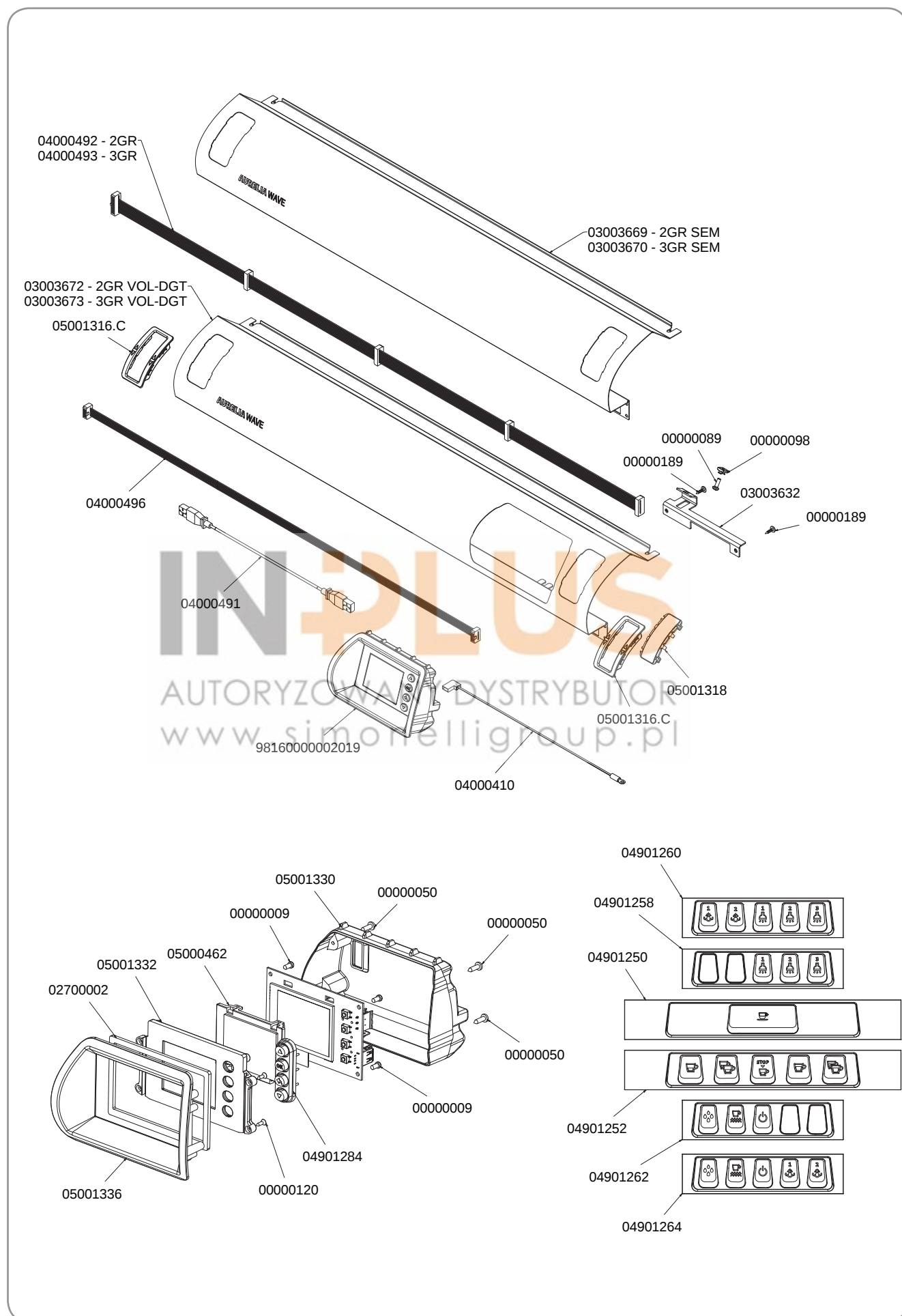
CODES IN BOLD ARE REFERRED TO COMPONENTS CURRENTLY IN USE.

CODES IN ITALIC WITH VALIDITY END DATE ARE REFERRED TO PREVIOUSLY USED COMPONENTS.

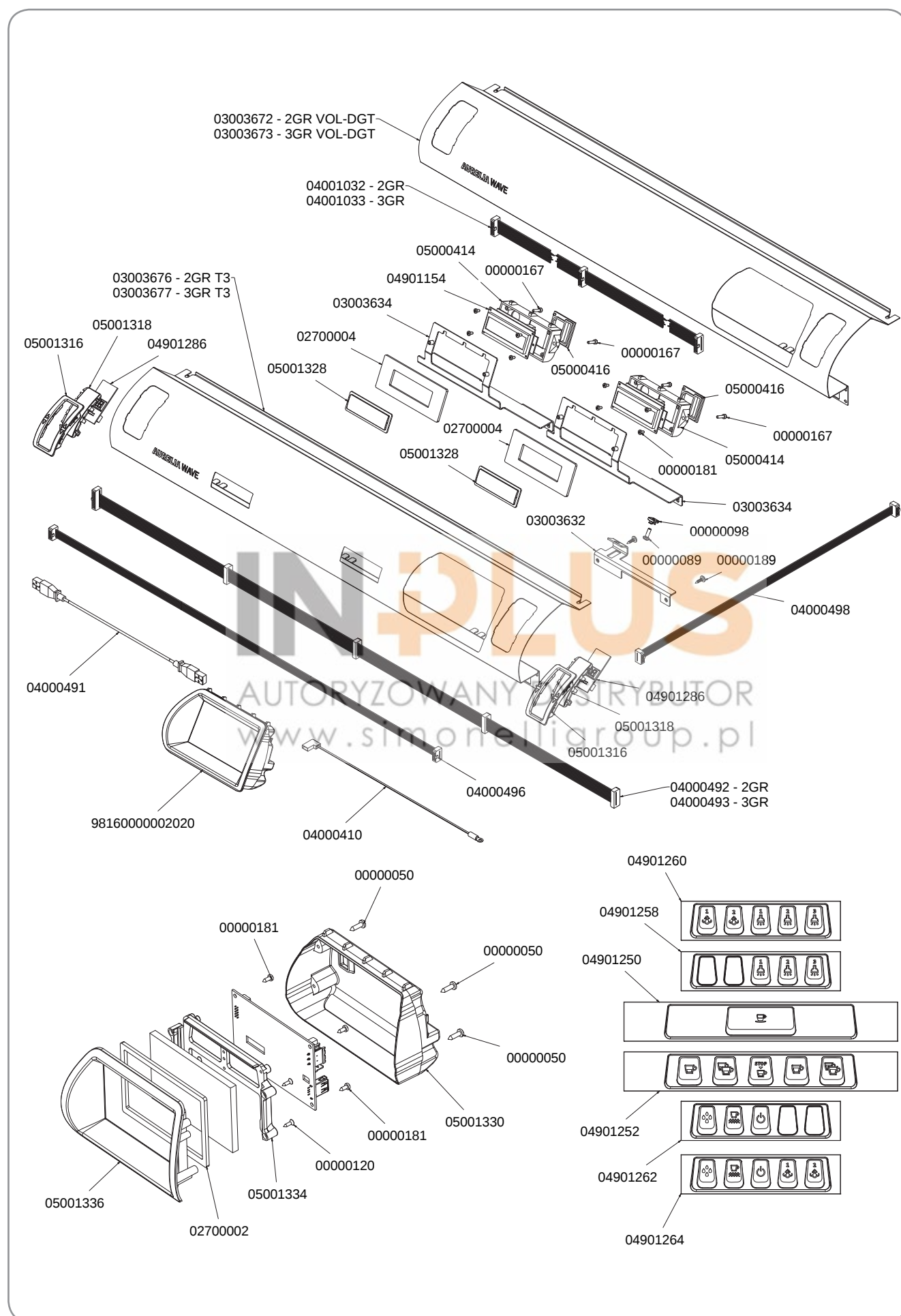
15.1 CABINET PARTS



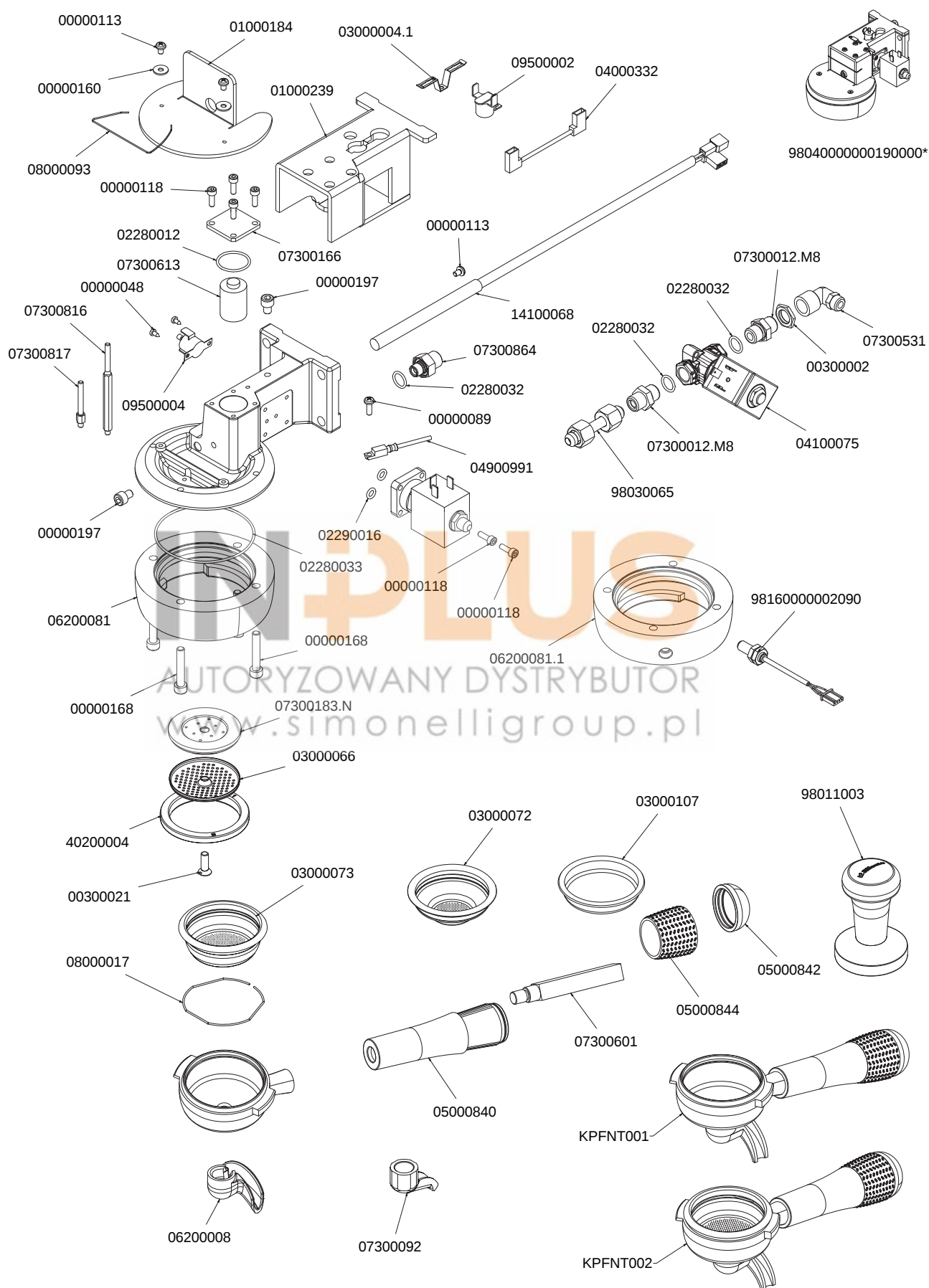
15.2 CONTROL PANEL SEM-VOL VERSION



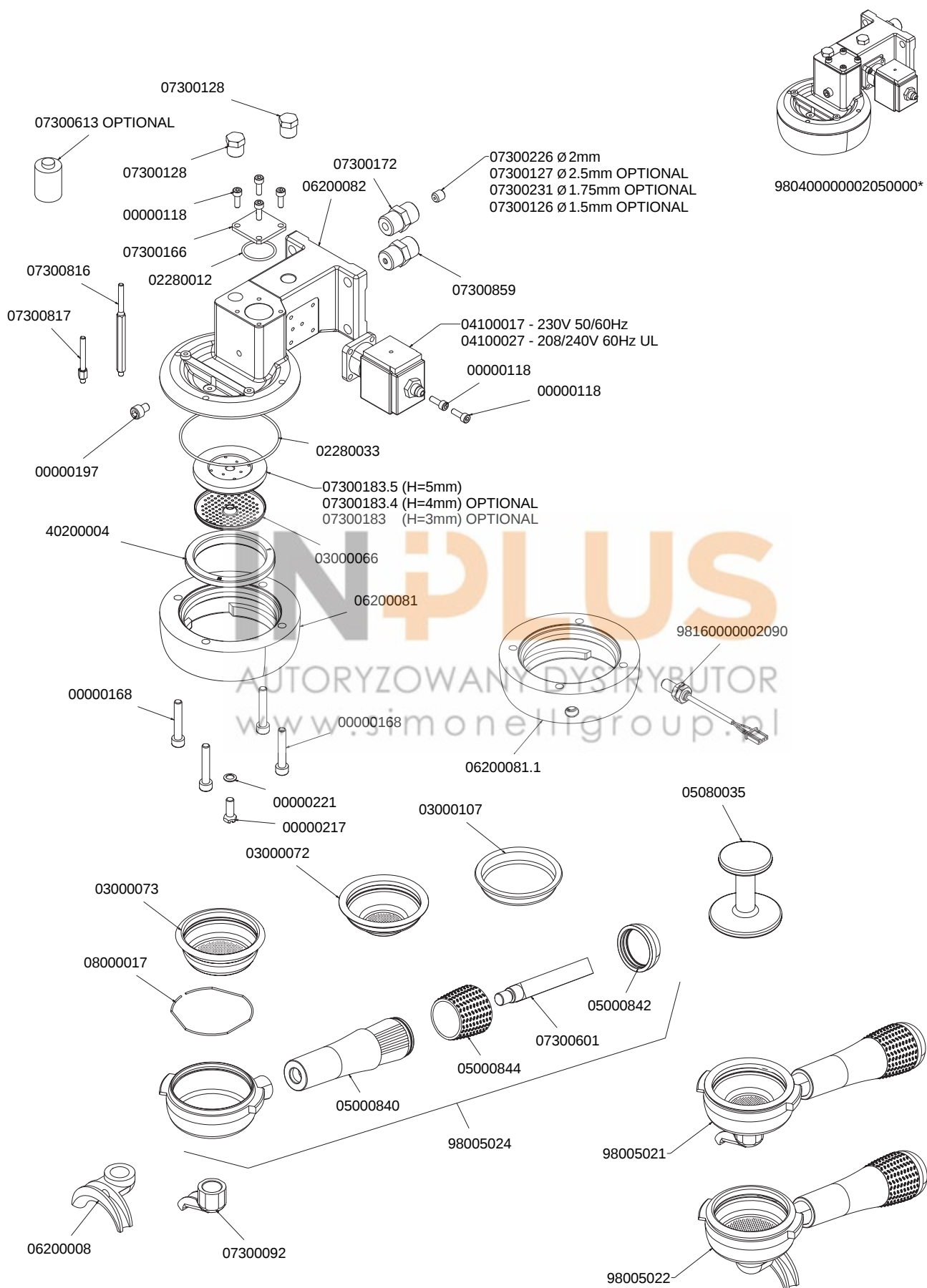
15.3 CONTROL PANEL DGT-T3 VERSION



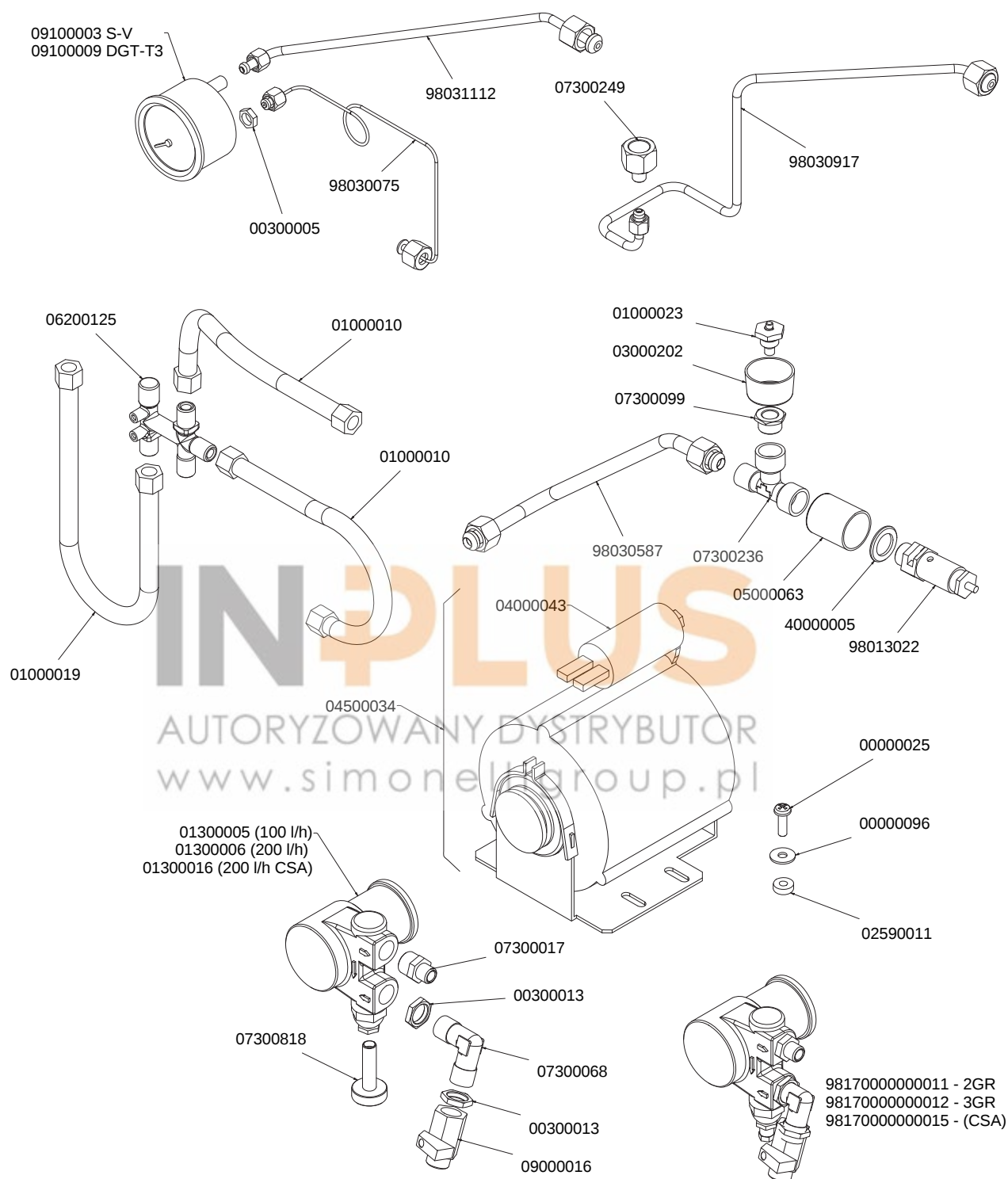
15.4 T3 POURING GROUP



15.5 POURING GROUP

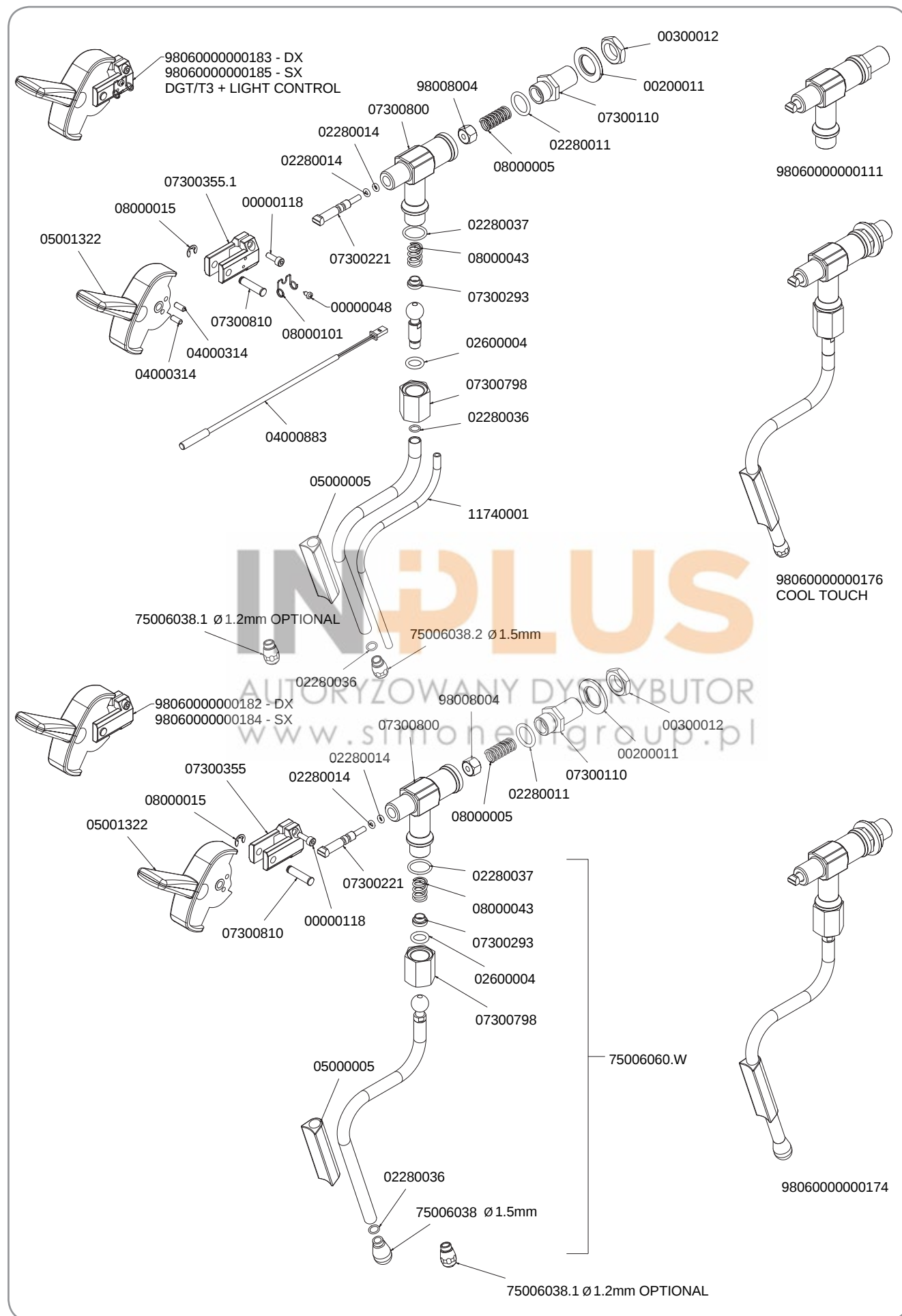


15.6 HYDRAULIC COMPONENTS

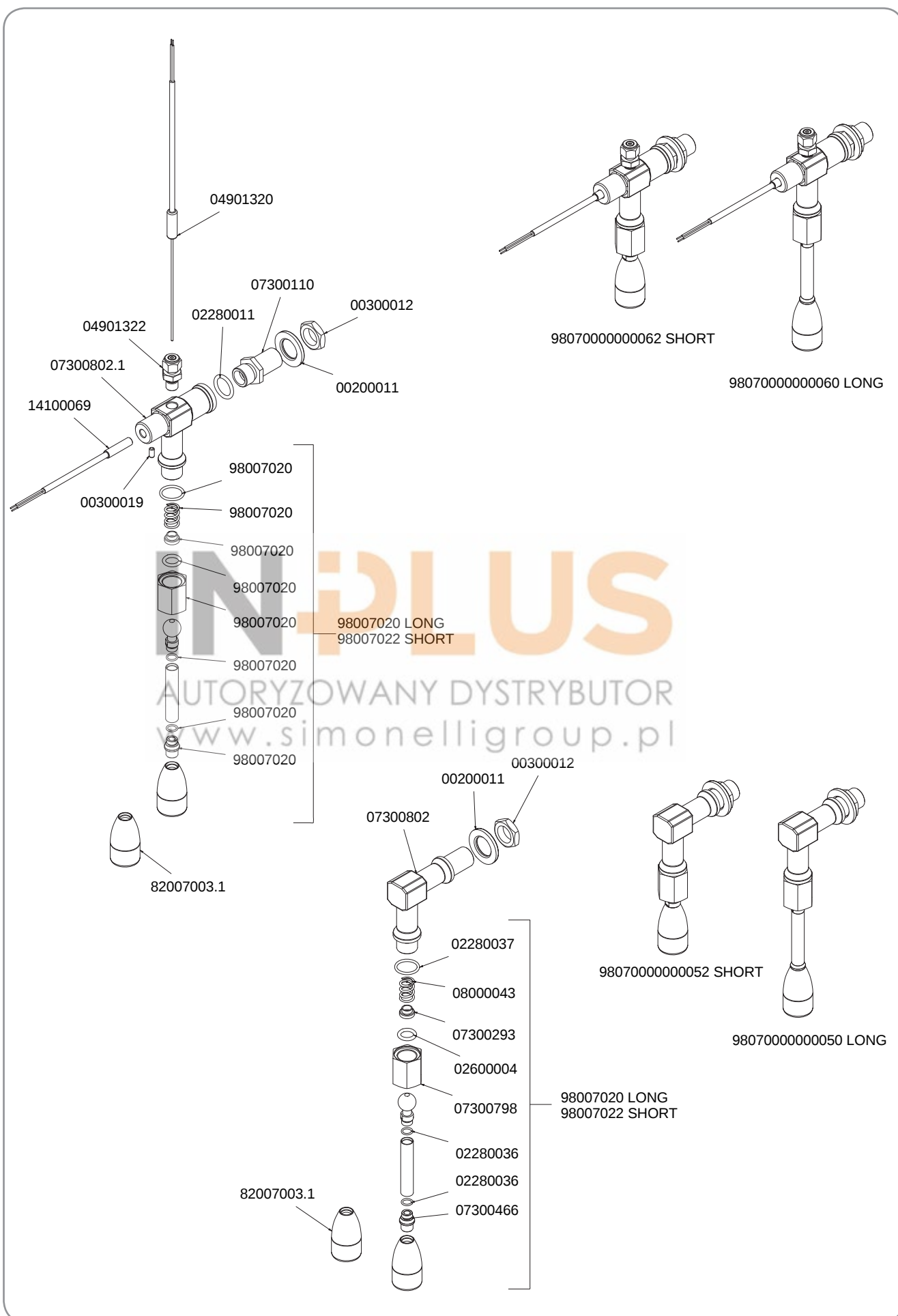


COMPONENTI IDRAULICI - HYDRAULIC COMPONENTS		
CODICE	DESCRIZIONE	DESCRIPTION
01000113	TUBO INGRESSO L=1500	FILLING TUBE L=1500
01000030	TUBO INGRESSO L= 500	FILLING TUBE L= 500
01000127	TUBO SCARICO	DRAINING TUBE
00000133	FASCETTA INOX	STAINLESS STEEL GIRDLE
05000763	RACCORDO G3/4 Fx19mm 90° SCARICO	DRAIN ELBOW G3/4 Fx19mm

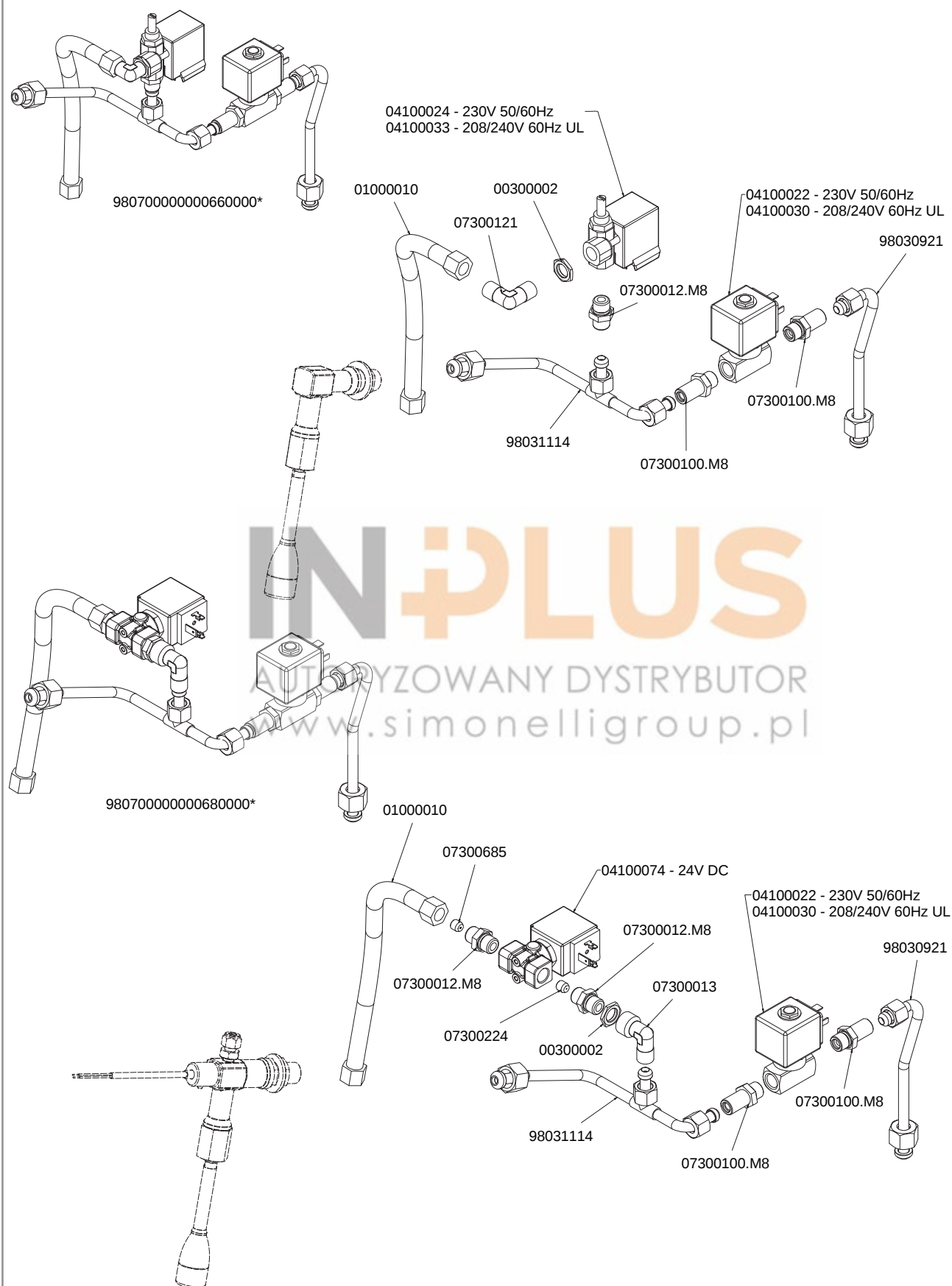
15.7 STEAM VALVE PARTS



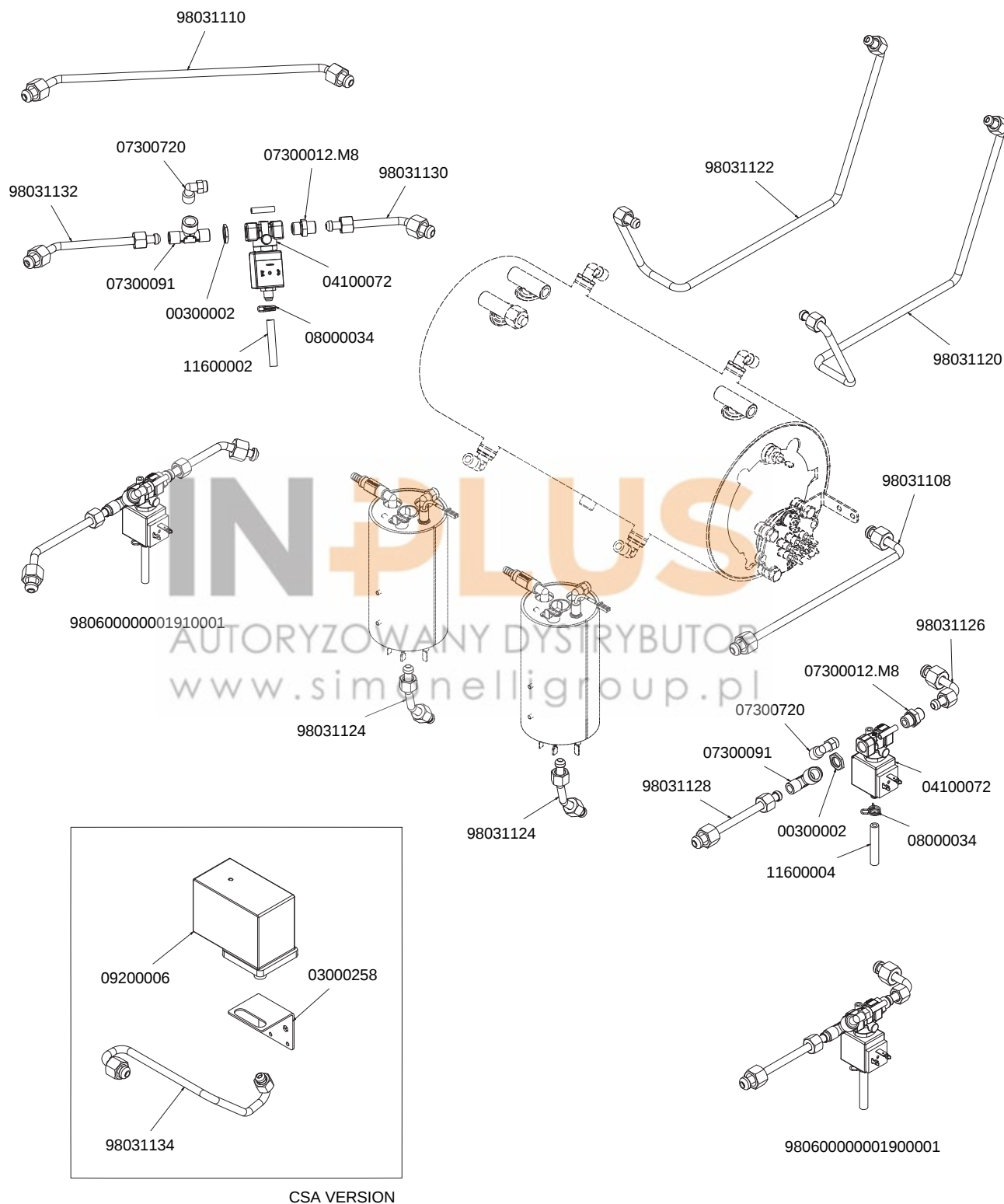
15.8 HOT WATER VALVE PARTS



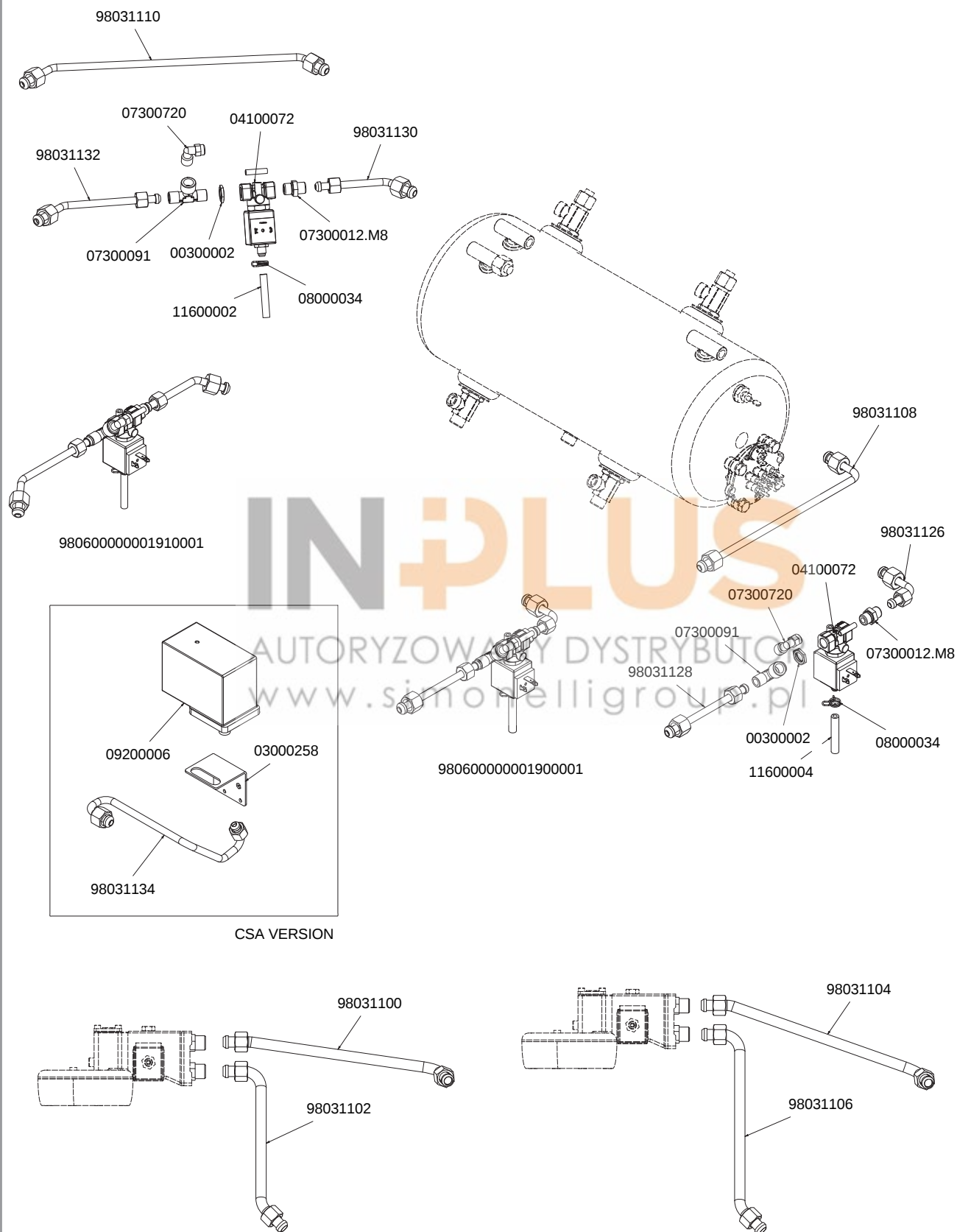
15.9 HOT WATER MIXER PARTS



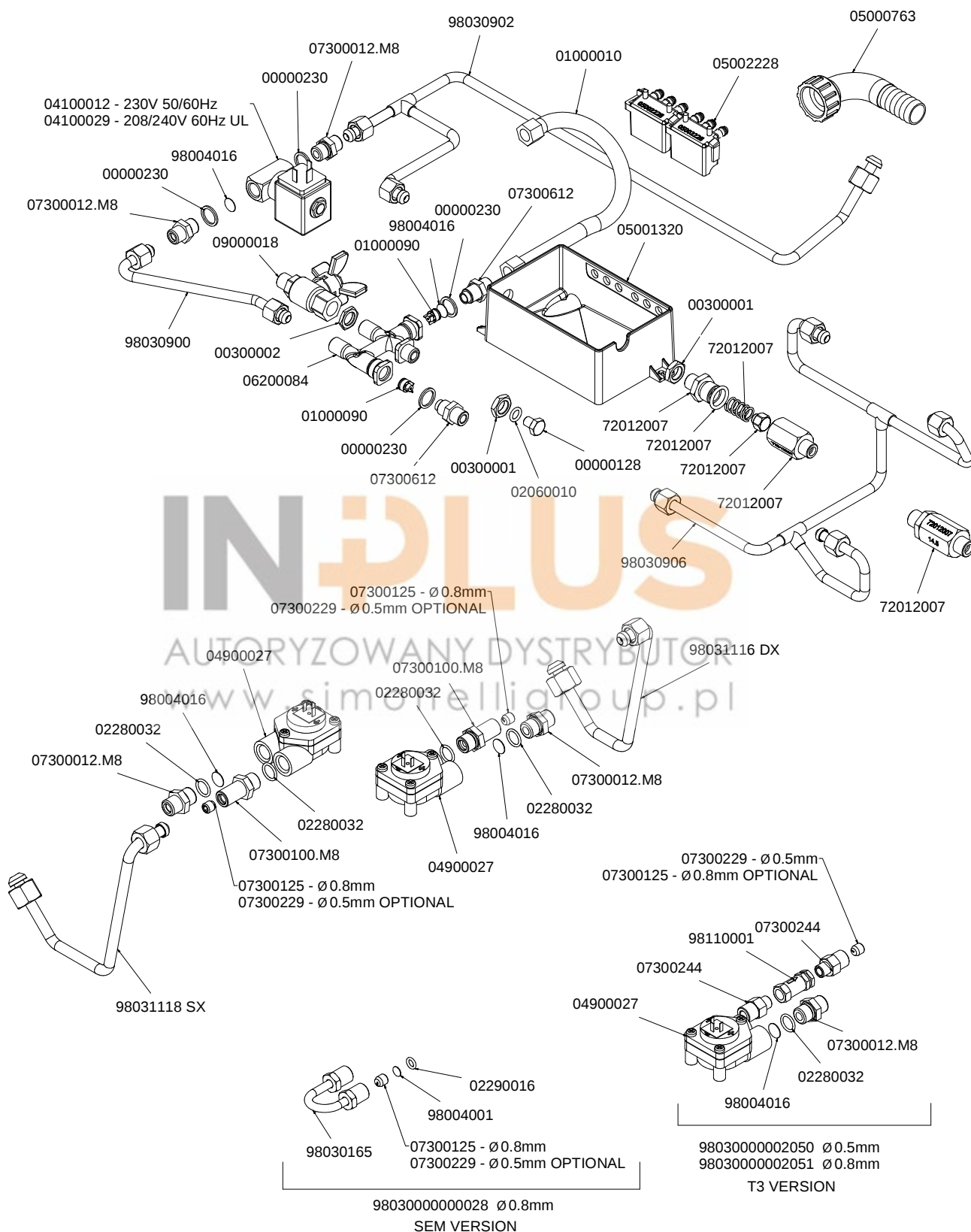
15.10 T3 VERSION PIPES



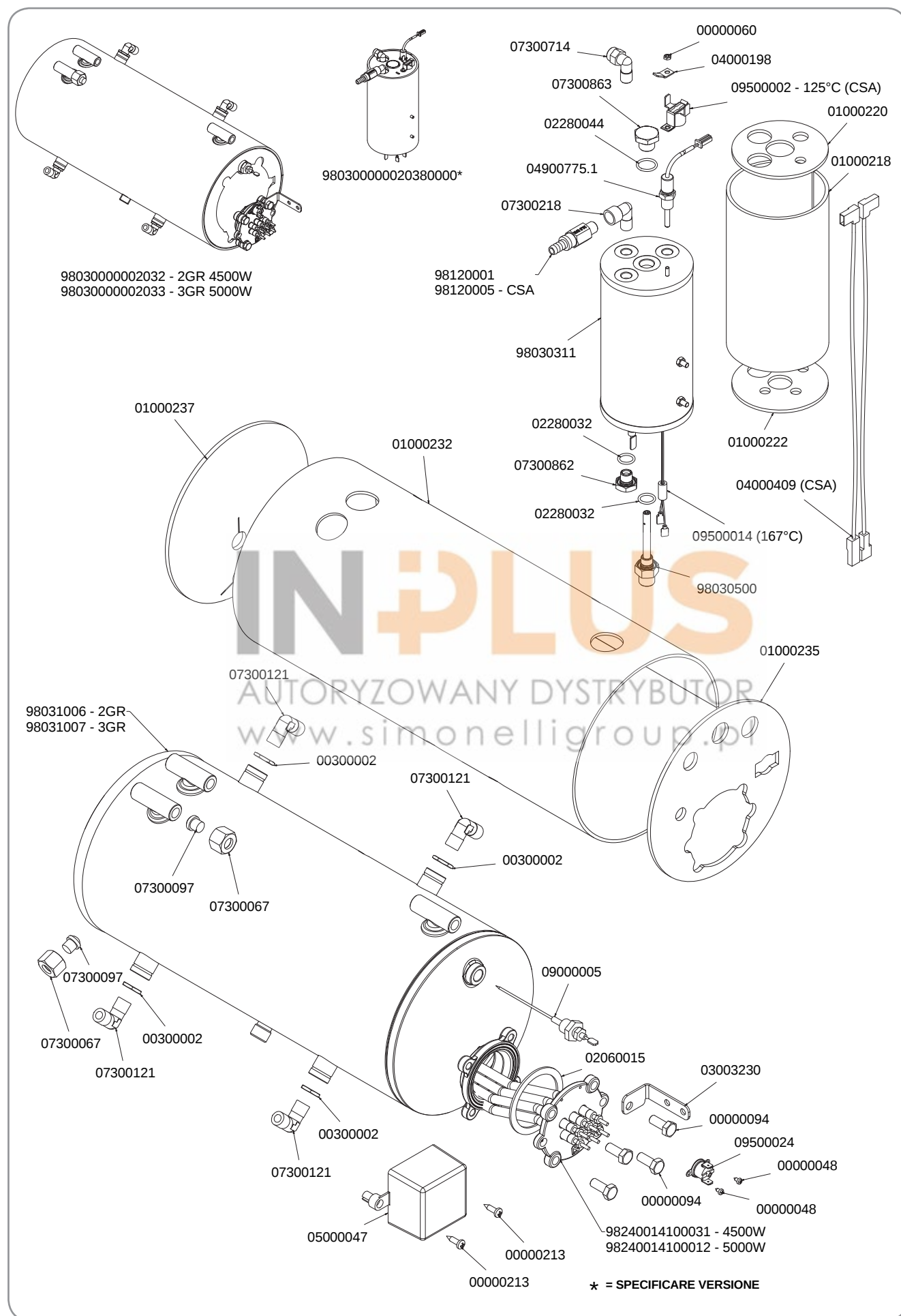
15.11 S-V-DGT VERSION PIPES



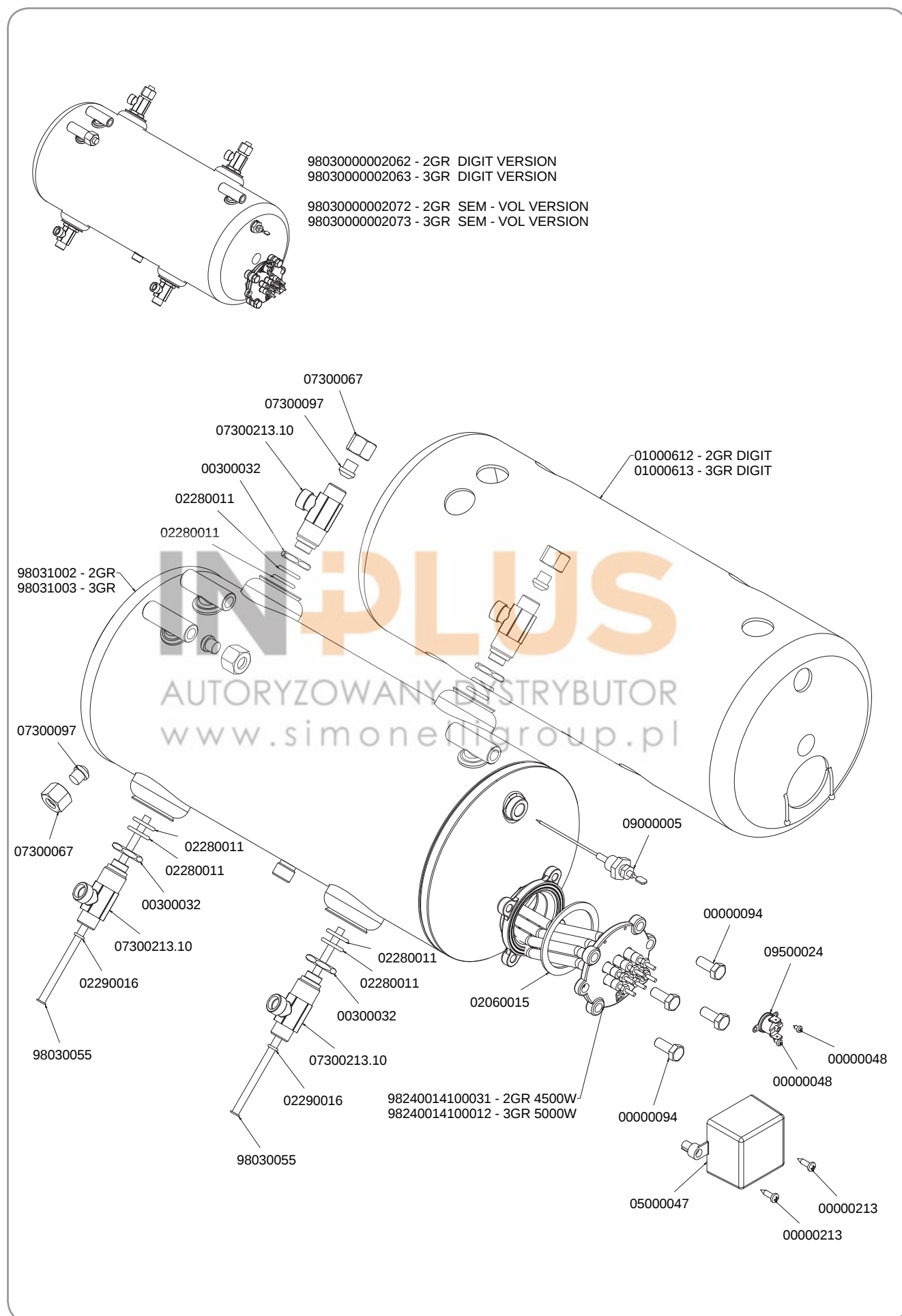
15.12 HYDRAULIC GROUP PARTS



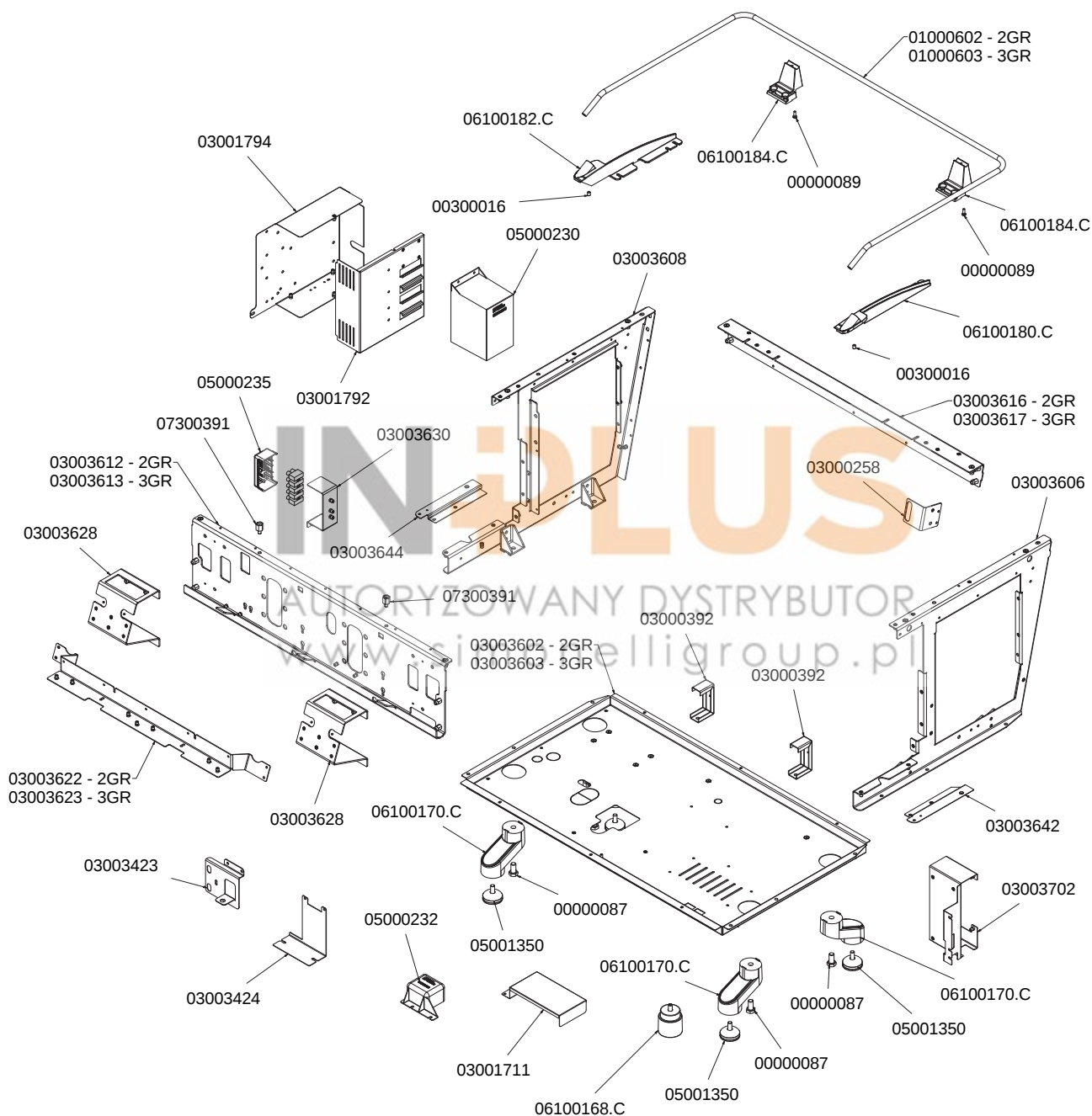
15.13 BOILER PARTS T3 VERSION



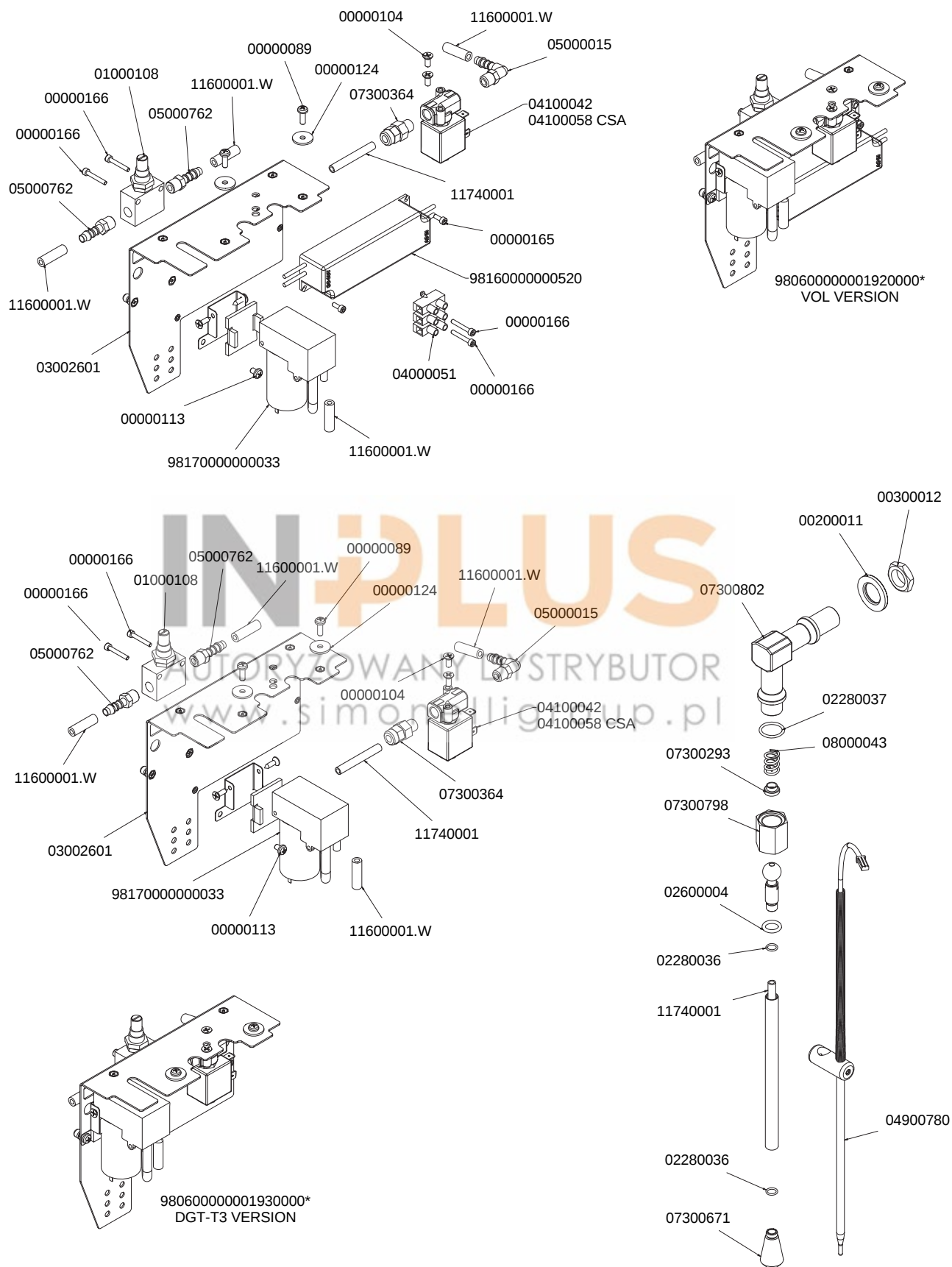
15.14 BOILER PARTS S-V-DGT VERSION



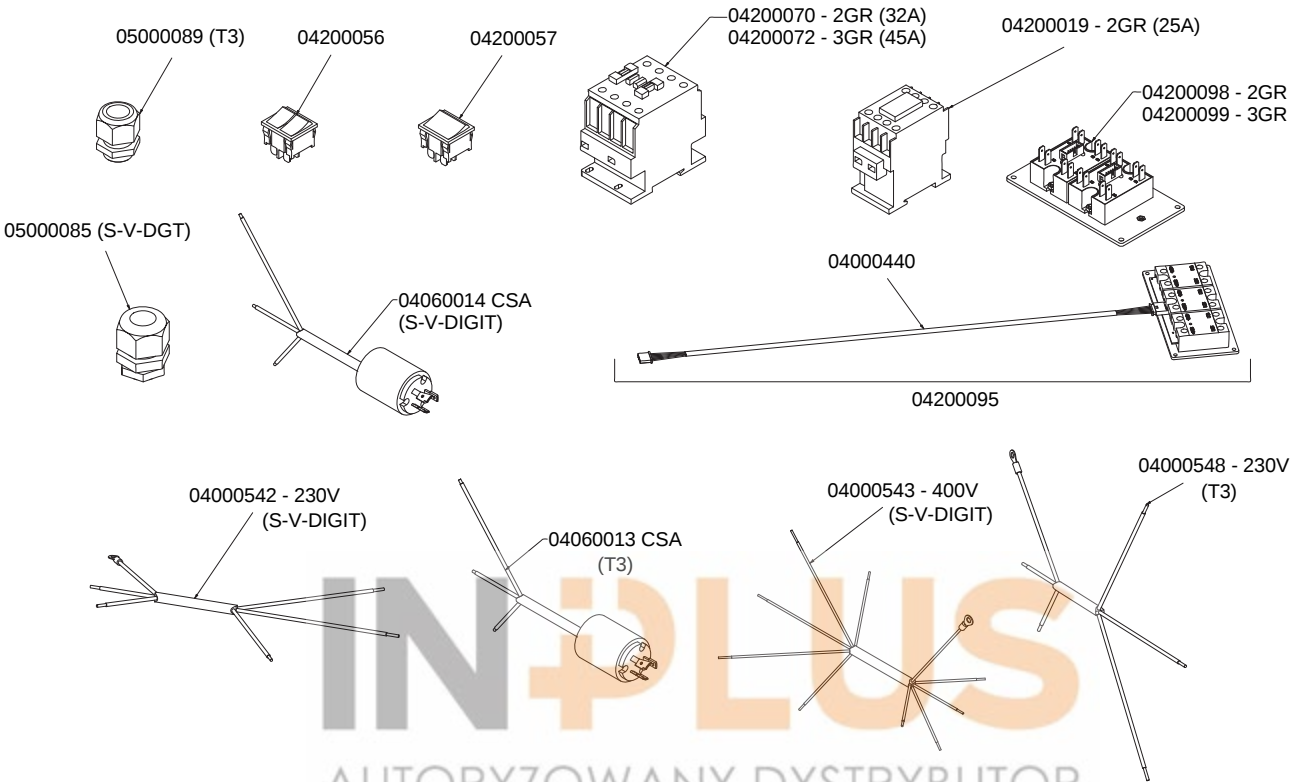
15.15 FRAME PARTS



15.16 EASYCREAM COMPONENTS



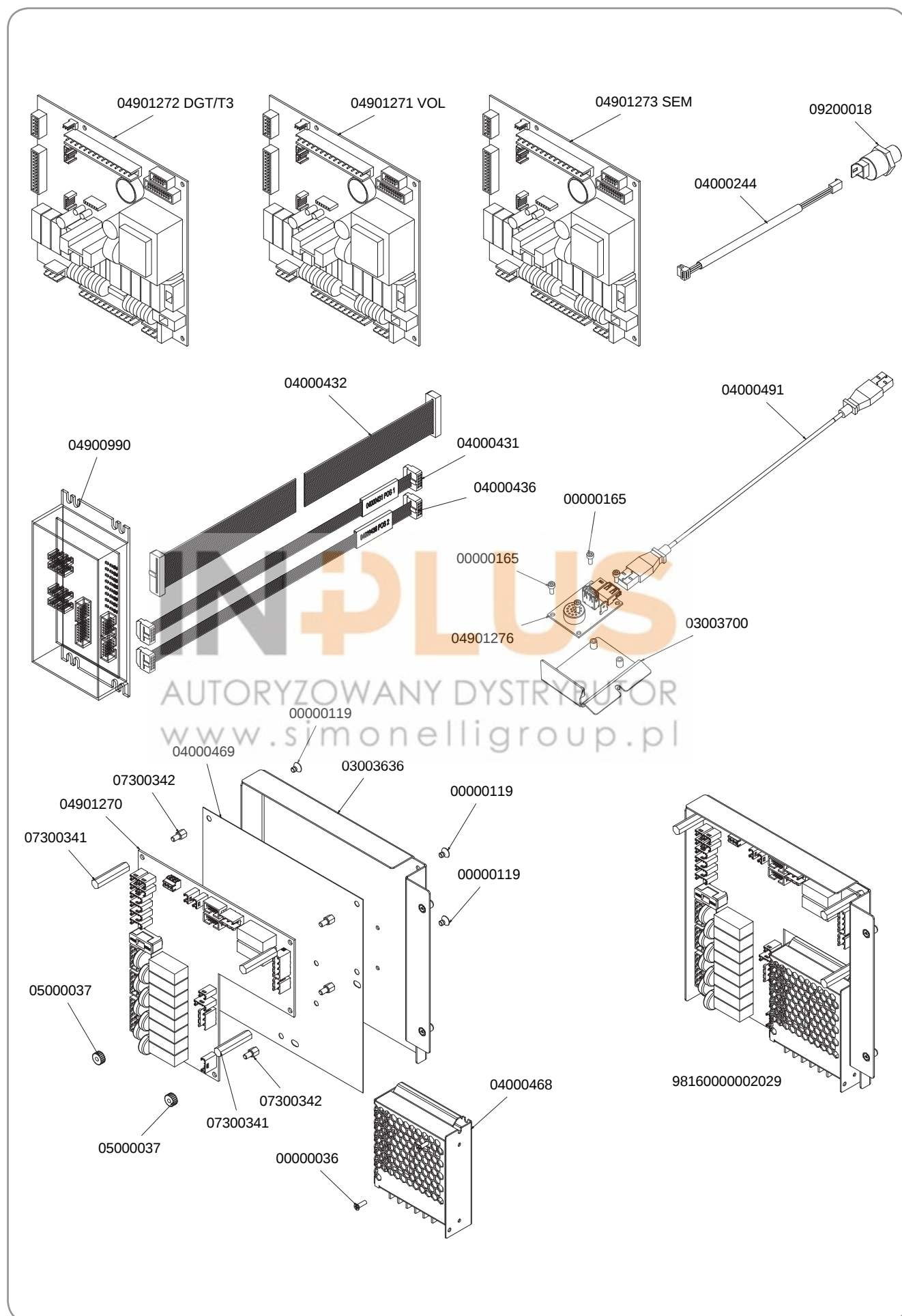
15.17 ELECTRICAL COMPONENTS



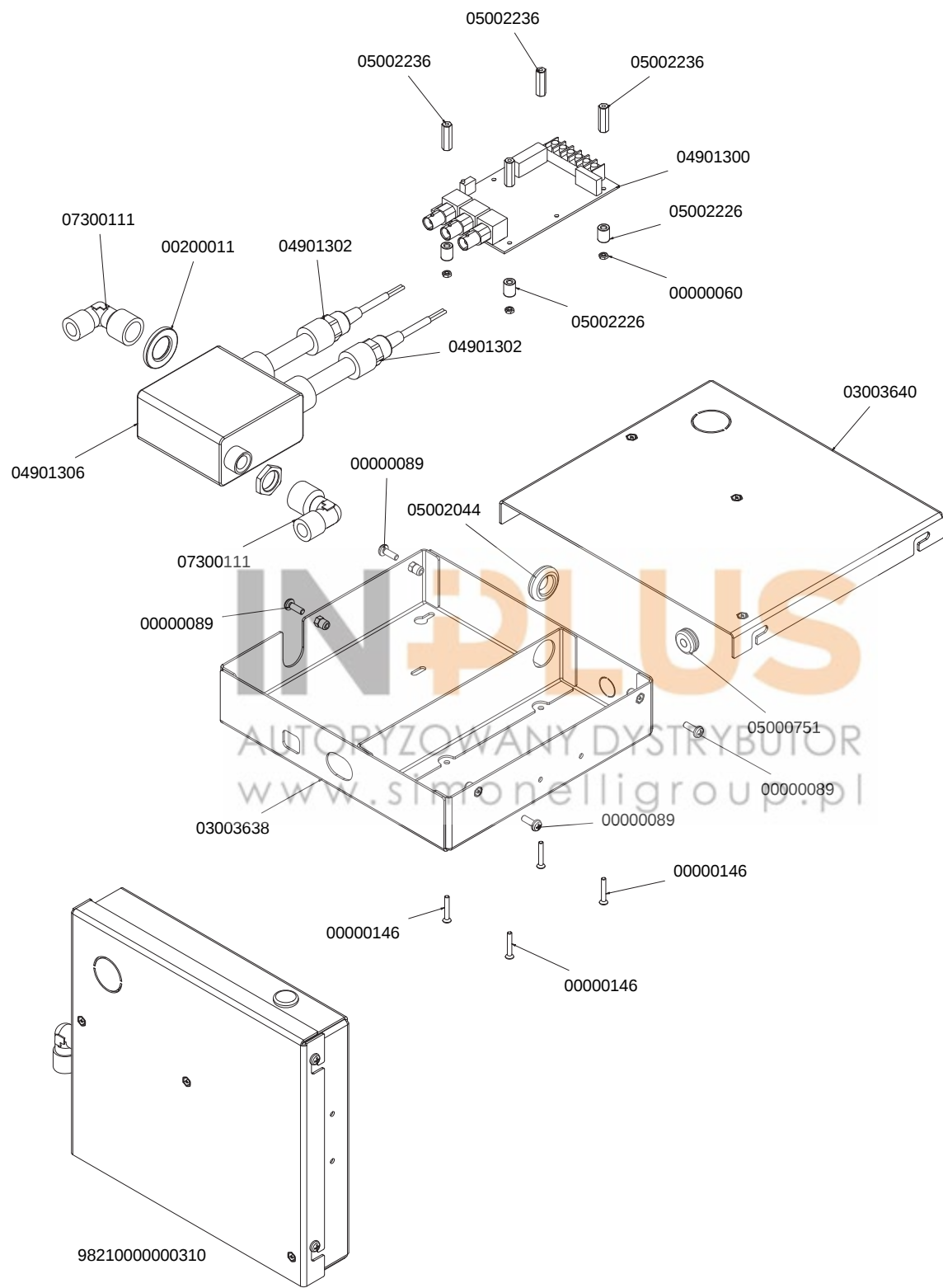
IN+PLUS
AUTORYZOWANY DYSTRYBUTOR
www.simonelligroup.pl

CODICE - CODE	DESCRIZIONE	DESCRIPTION
04000340	PONTICELLO CONVERSIONE 380V/230V	CONVERSION CABLE 400V-230V
04000346	CABL. Elett. SCALDATAZZE ON/OFF 2 GR. AURELIA S-V	CUP WARMER CABLING AURELIA II S-V 2GR.
04000347	CABL. Elett. SCALDATAZZE ON/OFF 3 GR. AURELIA S-V	CUP WARMER CABLING AURELIA II S-V 3GR.
04000386	CABL. Elett. SCALDATAZZE 1 TEMP. 2GR. AURELIA II DIGIT-T3	CUP WARMER CABLING AURELIA II DIGIT-T3 2GR.
04000387	CABL. Elett. SCALDATAZZE 1 TEMP. 3GR. AURELIA II DIGIT-T3	CUP WARMER CABLING AURELIA II DIGIT-T3 3GR.
04000404	SUPPL. CABLAGGIO DOSATORI AURELIA II 2GR.	ADD. FLOWMETER CABLE FOR AURELIA II 2GR.
04000405	SUPPL. CABLAGGIO DOSATORI AURELIA II 3-4GR.	ADD. FLOWMETER CABLE FOR AURELIA II 3-4GR.
04000462	IMPIANTO ELETTRICO UNIFICATO T3 2GR	T3 ELECTRICAL CABLING 2GR
04000463	IMPIANTO ELETTRICO UNIFICATO T3 3GR	T3 ELECTRICAL CABLING 3GR
04000478	CABLAGGIO ALIMENTAZIONE TRASF. LUCI AURELIA WAVE SEM-VOL	LIGHTS POWER SUPPLY WIRING FOR AURELIA WAVE SEM-VOL VERSION
04000480	CABLAGGIO EASYCREAM AURELIA WAVE VERSIONE DIGIT-T3	EASYCREAM WIRING FOR AURELIA WAVE DIGIT-T3 VERSION
04000482	SUPPLEMENTO PER ELETTROVALVOLA PROPORZIONALE	ADD. WIRING FOR PROPORTIONAL VALVE
04000483	CABLAGGIO ELETTROVALVOLE PULSEJET AURELIA WAVE 2GR	PULSEJET VALVE WIRING AURELIA WAVE 2GR
04000484	CABLAGGIO ELETTROVALVOLE PULSEJET AURELIA WAVE 3GR	PULSEJET VALVE WIRING AURELIA WAVE 3GR
04000486	CABLAGGIO SCHEDA CONTROLLO QUALITA' ACQUA	WATER QUALITY CONTROL BOARD WIRING
04000488	CABLAGGIO ALIMENTAZIONE CENTRALINA SERVIZI AURELIA WAVE	POWER SUPPLY WIRING FOR AURELIA WAVE OPTIONAL BOARD
04000490	CAVO SERIALE CENTRALINA POTENZA-CENTRALINA SERVIZI AURELIA WAVE	SERIAL CONNECTION CABLE OPTIONAL BOARD-MAIN BOARD AURELIA WAVE

15.18 ELECTRONIC COMPONENTS

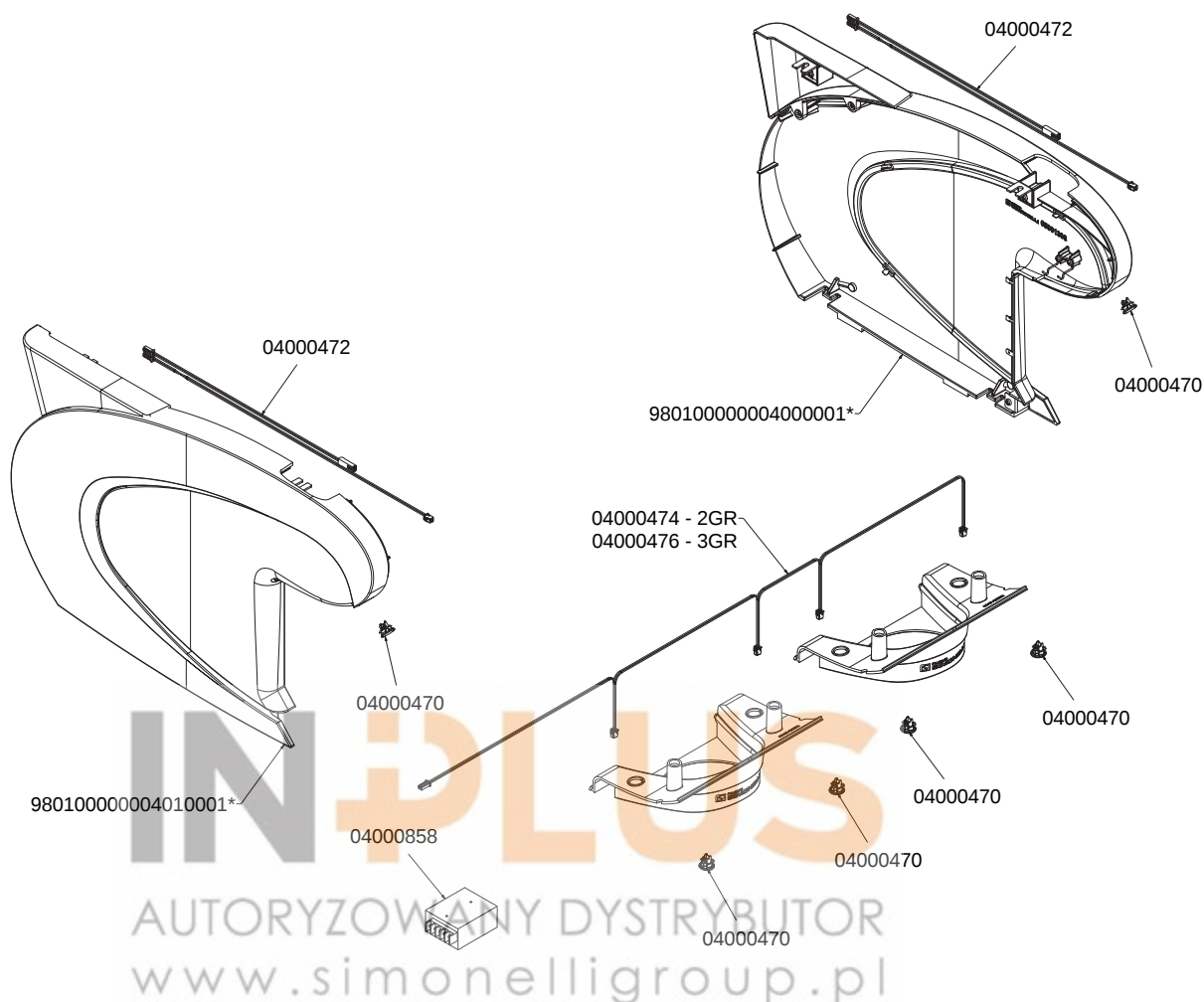


15.19 WATER QUALITY CONTROL COMPONENTS

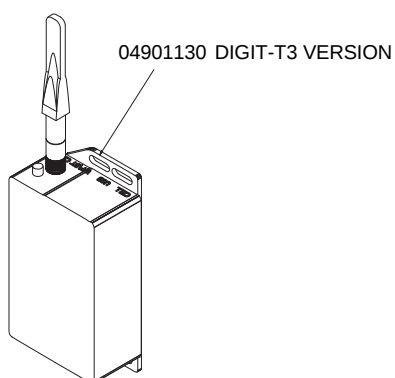


CODICE - CODE	DESCRIZIONE	DESCRIPTION
04000486	CABLAGGIO SCHEDA CONTROLLO QUALITA' ACQUA AURELIA18	WATER QUALITY CONTROL CONNECTION CABLE
40500005	FERMACAVO V.A. 2GR/MONO/FAMILY PG9	PG9 CABLE GLAND

15.20 LIGHT COMPONENTS - WIFI KIT



CODICE - CODE	DESCRIZIONE	DESCRIPTION
04000478	CABLAGGIO ALIMENTAZ.TRASF.LUCI AURELIA18 SEM-VOL	COMPLETE WIRING LIGHTS FOR AURELIA WAVE SEM AND VOL VERSION



CODICE - CODE	DESCRIZIONE	DESCRIPTION
04001150	CABLAGGIO ALIMENTAZIONE MODULO WIFI	WIFI MODULE POWER SUPPLY WIRING
04901146	CAVO SERIALE INTERFACCIA PER MODULO WIFI	WIFI MODULE SERIAL INTERFACE CABLE

15.21 CODE AND DESCRIPTION

COMPONENTS LIST			
CODICE / CODE	DESCRIZIONE	DESCRIPTION	VALIDITY END
00000009	VITE AUTOF 3,5x8 Z.B. HILO TC TCR	GALV. SELF-TAPPING SCREW 3,5x6,5 MUSTAD	
00000011	RONDELLA INOX M4 ZIGRINATA UNI8842/A	STAINLESS STEEL KNURLED WASHER D4	
00000025	VITE AQ M6x20 TC T.CR. ZINC	GALV. CROSS HEAD CAP SCREW AQ M6x20	
00000033	VITE AQ M3x16 T SVP T.CR. ZINC	FLARED HEAD SCREW M3x16 GALVANIZED STEEL	
00000036	VITE AQ M3x10 T SVP T.CR. ZINC	GALV. CROSSHEAD COUNTERSUNK SCREW M3x10	
00000040	VITE AQ 8,8 M6x30 TE ZINC	ZINC HEX-HEAD SCREW M6x30	
00000044	VITE AQ M4x10 TC T.CR. ZINC	SCREW M4x10 AQ TC T.CR. ZINC	
00000048	VITE AUTOF 2,9x4,5 TC/T.CR.	SELF-THREADING SCREW 2.9x4.5 TC/T.CR.	
00000050	VITE AUTOF 3,5x12 TC/T.CR. TRUCIOLARE	SCREW 3,5x12 TC/T.CR.	
00000051	RONDELLA D4x4x8 UNI 6592	WASHER 4x8	
00000054	DADO AQ M4 ALTO ZINCATO	NUT M4 HIGH GALVANISED NUT	
00000060	DADO AQ M3 MEDIO ZINCATO	NUT M3 MEDIUM GALVANISED NUT	
00000063	RONDELLA AQ D 10x21x2 ZN	WASHER AQ D 10x21x2 ZN	
00000087	VITE INOX M10x20 TE UNI 5739	SS HEX-HEAD SCREW M10x20 UNI5739	
00000089	VITE INOX M4x12 TC TCR DIN7985	VITE INOX M4x12 TC TCR DIN7985	
00000094	VITE INOX M8x20 TE 5739	STAINLESS STEEL HEX CAP SCREW M8x20	
00000096	RONDELLA AQ M6 6,6x18x1,5 ZINC	GALVANISED WASHER M6 6,6x18x1,5	
00000098	DADO IN GABBIA M 4 T424	M4 CAGE NUT T424	
00000104	VITE INOX M4x10 TSP TCR DIN965	SS CROSSHEAD COUNTERSUNK SCREW M4x10	
00000106	RONDELLA ZIGRINATA DIAM 6	MILLED WASHER DIAM. 6	
00000113	VITE INOX M4x6 TC T.CR. 7985	SS CROSSHEAD CAP SCREW M4x6	
00000118	VITE INOX M4x12 TCEI 5931	SS HEX SOCKET CAP SCREW M4x12	
00000119	VITE INOX M4x6 TSP/TCR ISO 7046	SS CROSS HEAD COUNTERSUNK SCREW M4x6	
00000120	VITE TRUCIOL 2,5x10 TSP TCR	CROSSHEAD COUNTERS. SELF-TAPPING SCREW 2,5x10	
00000122	VITE AQ 8,8 M6x12 TE FLANG. ZIGR. ZINC. BIANCO	GALV. FLANGED KNURLED HEX CAP SCREW 8.8 M6x12	
00000124	RONDELLA AQ D4.3x16x1,5 ZINC.	GALVANISED WASHER D4 3x16x1,5	
00000128	VITE INOX M8x10 TE TUTTO FIL.	STAINLESS STEEL HEX CAP SCREW M8x10	
00000129	VITE AUTOF INOX 3,5x13 TSP/TCR	SS SELF-TAPPING SLOTTED COUNTERSUNK SCREW 3.5x13	
00000133	FASCETTA INOX WD12 16-25 C7 W2	STAINLESS STEEL GIRDLE WD12 16-25 C7 W2	
00000146	VITE INOX M3x20 TSPEI UNI 5933	SS HEXAGON SOCKET COUNTERSUNK FLATHEAD CAP SCREW M3x20 UNI5933	
00000160	RONDELLA INOX D4x12x1 UNI 6593	STAINLESS WASHER D4x12	
00000165	VITE INOX M3x8 TCEI ISO 4762	STAINLESS STEEL SCREW M3x8 TCEI ISO 4762	
00000166	VITE INOX M3x20 TCEI ISO 4762	STAINLESS STEEL SCREW M3x20	
00000167	VITE INOX M3x12 TCEI ISO 4762	STAINLESS STEEL SCREW M3x12 TCEI ISO 4762	
00000168	VITE INOX M6x35 TCEI 5931	STAINLESS STEEL HEX SOCKET CAP SCREW M6x35	
00000174	VITE INOX M4x16 TC TCR	SS CROSSHEAD CAP SCREW M4x16	
00000175	VITE INOX M4x10 TC TCR	SS CROSS HEAD CAP SCREW M4x10	
00000178	VITE AQ 8,8 M6x16 TE FLANG. ZIGR. ZINC. BIANCO	GALV. FLANGED KNURLED HEX CAP SCREW 8.8 M6x16	
00000181	VITE TCTCR 3x8 DOPPIA ELICA HILO ZINC. UNI9707	REPLACE 00000111 GALVANISED CROSS HEAD CAP SCREW 3x8 DOUBLE SPIRAL UNI 9707	
00000188	GRANO INOX M5x5 PC	STAINLESS STEEL NUT M5x5	
00000189	VITE 3,2x13 PASSO RAPIDO ZINC.TC PIANA D.8	SELF-TAPPING CROSS HEAD CAP SCREW 3,2x13	
00000192	VITE INOX M4x8 TE UNI 5739	STAINLESS STEEL SCREW M4x8 TE UNI 5739	
00000197	VITE INOX M6x8 TCEI ISO 4762	STAINLESS HEX SOCKET CAP SCREW M6x8	
00000199	DADO INOX M4 MEDIO UNI 5588	NUT M4 MEDIUM STAINLESS UNI 5588	
00000213	VITE AUTOF 4,2x16 TC T.CR. ZIN	SCREW AUTO 4,2x16 TC T.CR. ZIN	
00000217	VITE INOX M6 LT=20 TE CH9 + TCx DOCCIA	STAINLESS STEEL SCREW TE CH9 + TC FOR SHOWER	
00000221	RONDELLA DI SICUREZZA INOX M6 SCHNORR CONICA	SECURITY FLAT WASHER INOX M6 CONICAL	
00000230	RONDELLA GUARNIZIONE RAME RICOTTO 14x18x1,5	COPPER WASHER SEAL 14x18x1,5	
00000231	VITE AUTOF INOX 3,9x19 TC T/CR	SS SELF-THREADING SCREW 3,9x22	
00200011	RONDELLA AQ M16 17x30x3 ZINC	GALVANISED WASHER M16 17x30x3	
00300001	DADO OT 1/4 GAS SPESS.5 CH18 *AGG. 22.07.96	BRASS NUT 1/4 GAS SPESSOR 5	
00300002	DADO OT 1/4 SPESS.3 CH18 *AGG. 22.07.96	BRASS NUT 1/4 SPESSOR 3	
00300005	DADO OT 1/8 GAS AGG.22.07.96 *SPESS.4 CH13	BRASS NUT 1/8 GAS SPESSOR 4	
00300012	DADO OT 3/8 GAS CH22 SPESS.6 AGG. 22.07.96	BRASS NUT 3/8 GAS SPESSOR 6 HEX 22	
00300013	DADO OT 3/8 GAS SPESS.4 CH20 AGG.22.07.96	DADO OT 3/8 GAS SPESS.4 CH20 AGG.22.07.96 *KB*	
00300016	GRANO INOX M6x8 5923	SS GRUB SCREW M6x8 5923	
00300019	GRANO INOX M4x8 UNI 5923 PP	STAINLESS STEEL DOWEL M4x8 5923	
00300021	VITE INOX M6x18 TSP TC DIN963	VITE INOX M6x18 TSP TC DIN963	
00300032	DADO 1/2" GAS CH25 SPESS.5 AGG.22.07.96	NUT 1/2 GAS SPESSOR 5 HEX 25	
01000010	TUBO FLESS INOX 1/4 F-F L=320	STAINLESS STEEL FLEXIBLE TUBE 1/4 F-F L.300	
01000023	VALVOLINA SPIATO	ANTI VACUUM VALVE	
01000030	TUBO FLESS INOX 3/8 FF L=500	STAINLESS STEEL FLEXIBLE TUBE 3/8 F-F L.500	
01000086	ROTOLO MOUSSE ADESIVO 3x45mm (1 ROTOLO -> L=10mt)	MOUSSE ROLL ADHESIVE 3x45 mm (1 ROLL-> L= 10 m)	
01000090	VALVOLINA DI RITEGNO D.10	RETAINING VALVE CO10	
01000106	TUBO ISOLANTE 6/8 (DI.8 Sp.6)	INSULATING PIPE 6-8	
01000108	RUBINETTO MRF 1/8 F-F 604	TAP 1/8 F-F	
01000113	TUBO FLESS INOX 3/8 A 90° F. -3/8 F. L=1500	SS FLEXIBLE TUBE 3/8 90° BENDED 3/8 F-F L1500	
01000127	TUBO SCARICO CON MANICOTTO DIRITTO D.19 L= 2 m	TUBO SCARICO CON MANICOTTO DIRITTO D.19 L= 2 m	
01000184	ISOLANTE GRUPPO EROGAZIONE ADONIS	INSULATOR BREWING GR. ADONIS	
01000199	NASTRO ADES. ALLUMINIO 30x50	ALUMINUM ADHESIVE TAPE	
01000218	ISOLANTE CALDAIA D80 155x252,7	BOILER INSULATION D.80 115 x 253	
01000220	ISOLANTE SUPER. D.80 CALDAIA	BOILER UPPER INSULATION D.80	
01000222	ISOLANTE INFER. D.80 CALDAIA	BOILER LOWER INSULATION D.80	
01000232	ISOLANTE CALDAIA 2GR AURELIAI T3	BOILER INSULANT 2GR AURELIA II T3	
01000233	ISOLANTE CALDAIA 3GR AURELIAI T3	BOILER INSULANT 3GR AURELIA II T3	
01000235	ISOLANTE D.180 DX CALDAIA AURELIA II T3	RIGHT BOILER INSULANT AURELIA II T3	
01000237	ISOLANTE D.180 SX CALDAIA AURELIA II T3	LEFT BOILER INSULANT AURELIA II T3	
01000239	ISOLANTE GRUPPO EROG. AURELIA II T3	GROUP INSULANT AURELIA II T3	
01000242	INSERTO ADESIVO PER POSIZIONE PIATTO RACC.ACQUA AURELIA II	ADHESIVE INSERT FOR PLATE AURELIA II	
01000602	TUBO PERIMETRALE SCALDATAZZE AURELIA18 2GR. Aisi304	CUP WARMER TOP PIPE AISI304 AURELIA WAVE 2GR	
01000603	TUBO PERIMETRALE SCALDATAZZE AURELIA18 3GR. Aisi304	CUP WARMER TOP PIPE AISI304 AURELIA WAVE 3GR	
01000612	ISOLANTE CALDAIA 2GR AURELIA18 DIGIT	BOILER INSULATION FOR AURELIA WAVE DIGIT 2GR	
01000613	ISOLANTE CALDAIA 3GR AURELIA18 DIGIT	BOILER INSULATION FOR AURELIA WAVE DIGIT 3GR	
01300005	POMPANTE VOLUMETRICO 100 l/h OT-57	VOLUMETRIC PUMP 100 L/h	
01300006	POMPANTE VOLUMETRICO 200 l/h OT-57	VOLUMETRIC PUMP 200 L/h	
01300016	POMPANTE VOLUMETRICO 200 l/h INOX	VOLUMETRIC PUMP 200 L/h INOX VERSION	
02060010	OR RAME 8,3x13xh1,9 DN8	COPPER GASKET O RING 8.3x13x1.9 ND8	
02060015	GUARNIZIONE PTFE 067x054x2	GASKET FOR HEATING ELEMENT 067x054x2	
02280011	GUARN. OR R11 D19 EP 851	GASKET O RING R11 D19 EP 851	
02280012	GUARN. OR 2093 D.27 VITON DF 801	GASKET O RING 2093 D.27 EP851	
02280014	GUARN. OR D7 AN2/OR102 SILICON7XL1715	GUARN. OR D 7 AN2/OR102 SILIC	
02280032	GUARN. OR 114 D.15 EP 851	GASKET O RING 114 D.15 EP 851	
02280033	GUARN. OR 75,92x1,78 NBR XP70 2300	GASKET O RING 75,92x1,78 NBR XP70	
02280036	GUARN. OR x BECCO LANCIA VAP. DI 6x1,2 EPDM70	GASKET OR x STEAM WAND NOZZLE	
02280044	GUARN. OR 14x1,78 EP851 2056 MS15	GASKET O RING 14x1,78 EP851	
02290016	GUARN. OR D 9,5 R5 SILICONE R.	GASKET OR D 9,5 R5 SILICON RED	
02590010	GUARNIZ. PISTONCINO FKM NERO Sh80	FKM PISTON GASKET BLACK SHA80	
02590011	GUARNIZ. PISTONCINO 14,4x6x4,5 SILICONE ROSSO SR 80	PISTON GASKET 14,4x6x4,5	
02590012	GUARNIZ. PISTONCINO D 12x4 SILICONE ROSSO	EXPAN. VALVE PISTON GASKET D.12x4 RED SILICON	
02700002	GUARNIZIONE FUSTELLATA CORNICE DISPLAY AURELIA18	PUNCHED GASKET FOR MAIN DISPLAY AURELIA WAVE	
02700004	GUARNIZIONE FUSTELLATA DISPLAY GRUPPO AURELIA18 T3	PUNCHED GASKET FOR GROUP DISPLAY AURELIA WAVE	
03000004	STAFFA SINGOLA x TERMOSTATO	STEEL HOLDER FASTOM FOR THERMOSTAT	
03000004.1	STAFFA DOPPIA x TERMOSTATO	DOUBLE BRACKET FOR THERMOSTAT	
03000066	DOCCIA INOX 56x5,5x 6 SALDATA Aisi304	DOCCIA INOX 056x05,5x6 SHOWER	
03000072	FILTRO 1 CAFFE' ALTO 7 gr.	FILTER ONE COFFEE HIGH REPLACE 03000321	
03000073	FILTRO 2 CAFFE' ALTO 14gr.	FILTER TWO COFFEE HIGH REPLACE 03000322	
03000107	FILTRO CIECO	BLIND FILTER	
03000202	VASCHETTA RACC. CONDENSA MASTERAGG. 07.06.97	CONDENSATION TRAY MASTER	
03000258	SUPPORTO PRESSOSTATO P1-MAC1	"PRESSURE SWITCH SUPPORT P1-MAC 1	
03000392	SUPPORTO CALDAIA MAC96 AGG. 13/03/2006	BOILER SUPPORT	
03001711	LAMIERA COPERT. RELE' CALDAIA	STATIC CONTACTORS BOILER COVER	
03001766	RETINA PIANO LAVORO 2 GR.	WORK GRILL 2 GR.	
03001767	RETINA PIANO LAVORO 3 GR.	WORK GRILL 3 GR.	
03001772	PIATTO RACCOGLIACQUA 2 GR.	DRAIN TRAY 2 GR.	

COMPONENTS LIST		
03001772.C	PIATTO RACCOGLIACQUA 2 GR. CON BORDO LUCIDO	DRAIN TRAY 2 GR. POLISH
03001773	PIATTO RACCOGLIACQUA 3 GR.	DRAIN TRAY 3 GR.
03001773.C	PIATTO RACCOGLIACQUA 3 GR. CON BORDO LUCIDO	DRAIN TRAY 3 GR. POLISH
03001778	ALZATINA TAZZINE IN LAMIERA INOX	STAINLESS STEEL SHEET STAND FOR CUPS
03001792	CHIUSURA CENTRALINA AURELIA	CONTROL BOARD COVER
03001794	CONTENITORE CENTRALINA AURELIA	CONTROL BOARD CASE AURELIA
03002120	STAFFA SUPP. COMPRESSORE PER MONTALATTE TALENTO	TALENTO MILKFOAM COMPRESSOR SUPPORT
03002540	LAMIERA L FISSAGGIO FIANCO AURELIA II	L SIDE FRAME FITTING PLATE AURELIAII
03002576	SUPPORTO ALL. RELE' STATICI GR CALDAIE CAFFE' AURELIAII T3	STATIC RELAY SUPPORT FOR GROUPS AND COFFEE BOILERS AURELIA T3
03002601	LAMIERA SUPPORTO COMPRESSORE AURELIA II	COMPRESSOR SUPPORT PANEL AURELIA II
03003230	STAFFA FISSAGGIO CALDAIA VA388	MAIN BOILER BRACKET VA388
03003423	LAMIERA SUPP. MANOMETRO VA358	SUPPORT PLATE PRESSURE GAUGE VA358
03003424	STAFFA SUPP. DOSATORI VA358	DOSER SUPPORT VA358
03003602	BASAM. PORTANTE 2GR. AURELIA18	BASEMENT 2GR AURELIA WAVE
03003603	BASAM. PORTANTE 3GR. AURELIA18	BASEMENT 3GR AURELIA WAVE
03003606	FIANCO DX TELAIO AURELIA18	RIGHT SIDE FRAME AURELIA WAVE
03003608	FIANCO SX TELAIO AURELIA18	LEFT SIDE FRAME AURELIA WAVE
03003612	PARETE PORTAGR. 2GR. AURELIA18	GROUP SUPPORT FRAME AURELIA WAVE 2GR
03003613	PARETE PORTAGR. 3GR. AURELIA18	GROUP SUPPORT FRAME AURELIA WAVE 3GR
03003616	LAMIERA SUPER. POSTERIORE 2GR. AURELIA18	UPPER BACK FRAME AURELIA WAVE 2GR
03003617	LAMIERA SUPER. POSTERIORE 3GR. AURELIA18	UPPER BACK FRAME AURELIA WAVE 3GR
03003622	LAMIERA SUPP.INVOLUCRO COMANDI 2GR. AURELIA18	CONTROL PANEL SUPPORT AURELIA WAVE 2GR
03003623	LAMIERA SUPP.INVOLUCRO COMANDI 3GR. AURELIA18	CONTROL PANEL SUPPORT AURELIA WAVE 3GR
03003628	STAFFA SUPP. RUB. AURELIA WAVE	STEAM SUPPORT FRAME AURELIA WAVE
03003630	STAFFA SUPP. MORSETTIERA AURELIA18	TERMINAL BLOCK SUPPORT AURELIA WAVE
03003632	SUPPORTO DISPLAY AURELIA18	MAIN DISPLAY SUPPORT AURELIA WAVE
03003634	SUPPORTO DISPLAY GRUPPO AURELIA18 T3	GROUP DISPLAY SUPPORT AURELIA WAVE
03003636	SUPPORTO CENTRALINA OPTIONAL AURELIA18	OPTIONAL PCB BOARD SUPPORT AURELIA WAVE
03003638	SCATOLA SUPPORTO SENSORI ACQUA AURELIA18	WATER QUALITY ANALYZER SUPPORT CASE
03003640	COPERCHIO SCATOLA SUPPORTO SENSORI AURELIA18	WATER QUALITY ANALYZER SUPPORT COVER
03003642	LAMIERA POSIZIONE/PROTEZ. DX PIATTO RACC.ACQUA AURELIA18	DRAIN TRAY POSITION/PROTECTION PLATE RIGHT SIDE
03003644	LAMIERA POSIZIONE/PROTEZ. SX PIATTO RACC.ACQUA AURELIA18	DRAIN TRAY POSITION/PROTECTION PLATE LEFT SIDE
03003646	PROTEZIONE INTERNA SUP. FIANCO DX AURELIA18	RIGHT SIDE INTERNAL PROTECTION PLATE AURELIA WAVE
03003648	PROTEZIONE INTERNA SUP. FIANCO SX AURELIA18	LEFT SIDE INTERNAL PROTECTION PLATE AURELIA WAVE
03003650	INSERTO INOX FIANCO DX AURELIA18	RIGHT SIDE STAINLESS STEEL COVER AURELIA WAVE
03003652	INSERTO INOX FIANCO SX AURELIA18	LEFT SIDE STAINLESS STEEL COVER AURELIA WAVE
03003658	LAMIERA RETRO CURVA + PARTE SUPERIORE 2GR. AURELIA18	BACK PANEL AURELIA WAVE 2GR (CURVED AND UPPER PART ASSEMBLY)
03003659	LAMIERA RETRO CURVA + PARTE SUPERIORE 3GR. AURELIA18	BACK PANEL AURELIA WAVE 3GR (CURVED AND UPPER PART ASSEMBLY)
03003662	LAMIERA RETRO INFERIORE 2GR. AURELIA18	BACK PANEL AURELIA WAVE 2GR (LOWER PART)
03003663	LAMIERA RETRO INFERIORE 3GR. AURELIA18	BACK PANEL AURELIA WAVE 3GR (LOWER PART)
03003669	INVOLUCRO COMANDI 2GR. S AURELIA18	CONTROL PANEL HOUSING AURELIA WAVE 2GR SEM VERSION
03003670	INVOLUCRO COMANDI 3GR. S AURELIA18	CONTROL PANEL HOUSING AURELIA WAVE 3GR SEM VERSION
03003672	INVOLUCRO COMANDI 2GR. DIGIT-V AURELIA18	CONTROL PANEL HOUSING AURELIA WAVE 2GR VOL-DIGIT VERSION
03003673	INVOLUCRO COMANDI 3GR. DIGIT-V AURELIA18	CONTROL PANEL HOUSING AURELIA WAVE 3GR VOL-DIGIT VERSION
03003676	INVOLUCRO COMANDI 2GR. T3 AURELIA18	CONTROL PANEL HOUSING AURELIA WAVE 2GR T3 VERSION
03003677	INVOLUCRO COMANDI 3GR. T3 AURELIA18	CONTROL PANEL HOUSING AURELIA WAVE 3GR T3 VERSION
03003682	PARETE FRONTALE 2GR. AURELIA18	FRONT PANEL COVER AURELIA WAVE 2GR
03003683	PARETE FRONTALE 3GR. AURELIA18	FRONT PANEL COVER AURELIA WAVE 3GR
03003686	LAMIERA FRONTALE INFERIORE 2GR AURELIA18	LOWER FRONT PLATE AURELIA WAVE 2GR
03003687	LAMIERA FRONTALE INFERIORE 3GR AURELIA18	LOWER FRONT PLATE AURELIA WAVE 3GR
03003689	PORTATAZZE SUPER. DX AURELIA18	CUP WARMER RIGHT SIDE AURELIA WAVE
03003690	PORTATAZZE SUPER. SX AURELIA18	CUP WARMER LEFT SIDE AURELIA WAVE
03003691	PORTATAZZE SUPERIORE CENTRALE AURELIA18 3-4 GR.	CUP WARMER MID SIDE AURELIA WAVE 3GR
03003700	SUPPORTO SCHEDA USB+ALTOPARL. AURELIA18	USB SUPPORT PLATE AURELIA WAVE
03003702	LAMIERA SUPP. CENTRAL. CALDAIE AURELIA18 T3	SENSORS AND REALY SUPPORT PLATE AURELIA WAVE T3 VERSION
04000043	CONDENSATORE 10UF UL	10UF CAPACITOR UL
04000198	PRESA LAMELLARE M 6,3 d4 2.45"	FOIL HOLDER M 6,3 D 4,2 45°
04000242	TAG RFID D.25 h4,8 PASSIVE RW	TAG PER RFID MACHINE
04000244	CAVO COLL. 3P RAST. 2,5/MOLEX L.800mm x TRASD. PRESS. 09200018	3 POLE CONNECTING CABLE RAST 2.5/MOLEX L = 800mm for PRESSURE SWITCH TRANSDUCER 09200018
04000314	UNITA' MAGNETICA D4x10	MAGNETIC UNIT D4x10
04000332	CAVALLOTTO L=85 + FASTON F-F A BANDIERA AWG18 MARRONE	EXTENSION L=85 + FASTON
04000340	PONTICELLO TRASF. ALIMENTAZ. DA 380V A 230V AURELIA-APPIA	BRIDGE TRASFORMATION FROM 380V TO 220V
04000343.S	SUPPLEMENTO CABLAG ELETTRICO AURELIA08-AURELIA II S 2-3-4GR	ADDITIONAL ELECTRIC WIRING AURELIA S 2-3 GROUP
04000346	CABL.ELETT. SCALDATAZZE ON/OFF 2 GR. AURELIA S-V	CUPWARMER WIRING SYSTEM AURELIA 2 GR.
04000347	CABL.ELETT. SCALDATAZZE ON/OFF 3 GR. AURELIA S-V	CUPWARMER WIRING SYSTEM AURELIA 3 GR.
04000366	PROTEZIONE PVC CENTRALINA AURELIA	PVC SWITCHBOARD PROTECTION AURELIA
04000368	SUPPLEMENTO 4q GRUPPO AURELIA	SUPPLEMENTARY WIRING SYSTEM AURELIA 4° GROUP
04000380	CAVO COLL. SONDA SCALDATAZZE AURELIA L=100cm MOD.2 F-F	CUP WARMER SENSOR CONNECTING CABLE - AURELIA L=100 MOD.2 F-F
04000381	CABLAGGIO AURELIA 09 CSA PRESSOSTATO-RELE'	AURELIA 09 CSA CABLING
04000386	CABLAGGIO SCALDATAZZE 1 TEMP. 2GR. AURELIA II DIGIT-T3	CUP WARMER CABLING 1 TEMP AURELIA II 2GR DIGIT-T3
04000387	CABLAGGIO SCALDATAZZE 1 TEMP. 3GR. AURELIA II DIGIT-T3	CUPWARM WIRING 1 TEMP 3GR.
04000400	CABLAGGIO AURELIA II 2GR. SENZA FUNZIONE VAPORE	BASE WIRING SYSTEM AURELIA II 2GR.
04000401	CABLAGGIO AURELIA II 3-4GR. SENZA FUNZIONE VAPORE	BASE WIRING SYSTEM AURELIA II 3-4GR.
04000404	SUPPL. CABLAGGIO DOSATORI AURELIA II 2GR	FLOWMETER ADDITIONAL WIRING 2GR.
04000405	SUPPL. CABLAGGIO DOSATORI AURELIA II 3-4GR	FLOWMETER ADDITIONAL WIRING 3-4GR.
04000406	SUPPL. CABLAGGIO AURELIA II T3 2GR.	EXTRA WIRING AURELIA II 2GR T3
04000409	CABLAGGIO TERMOSTATO CALDAIA CAFFE' AURELIA II T3 CSA	SAFETY THERMOSTAT MAIN BOILER WIRING AURELIA II T3 CSA
04000410	CAVO COLL. TERRA "DISPLAY A COLORI" AURELIA II	GROUND CONNECTION CABLE AURELIA II 3-1 GR
04000431	CAVO 10 VIE COLL.RELE' CALDAIE- CENTRALINA 2-3GR	FLAT CABLE 10 WAYS CONTROL BOARD-BOILERS SOLID STATE RELAY 2-3GR
04000432	CAVO 26 VIE COLL. CENTR.-CENTR.CALDAIE "DISPLAY A COLORI"	FLAT CABLE 26 WAYS CONTROL BOARD -PID BOARD
04000436	CAVO 10 VIE COLL.RELE' CALDAIE- CENTRALINA 3GR	FLAT CABLE 10 WAYS CONTROL BOARD-BOILERS SOLID STATE RELAY
04000440	CABLAGGIO COLLEG. RELE'	WIRING FOR BOILER SOLID STATE RELAY L=1900
04000444	SUPPL. CABLAGGIO EASYCREAM AURELIA II DIGIT-T3	ADDITIONAL EASYCREAM CABLING FOR AURELIA II DIGIT-T3
04000462	CABLAGGIO UNIFICATO MACCHINE T3 2GR.	COMPLETE WIRING 2GR MACHINES T3 VERSION
04000463	CABLAGGIO UNIFICATO MACCHINE T3 3GR.	COMPLETE WIRING 3GR MACHINES T3 VERSION
04000468	TRASFORMATORE 24V 50W OPTIONALS AURELIA18 LRS 50-24	SWITCHING POWER SUPPLY 24VDC 50W AURELIA WAVE OPTIONALS
04000469	PROTEZIONE PVC CENTRALINA SERVIZI AURELIA18	PVC OPTIONALS BOARD PROTECTION SHEET
04000470	LED AURELIA18 12V	12VDC LED SPOT AURELIA WAVE
04000472	CABLAGGIO COMP. LUCI FIANCO DX E SX AURELIA18	COMPLETE WIRING LEFT AND RIGHT SIDE LIGHTS AURELIA WAVE
04000474	CABLAGGIO LUCI GRUPPI EROGAZ. 2GR. AURELIA18	POURING GROUP LIGHTS WIRING AURELIA WAVE 2GR
04000476	CABLAGGIO LUCI GRUPPI EROGAZ. 3GR. AURELIA18	POURING GROUP LIGHTS WIRING AURELIA WAVE 3GR
04000478	CABLAGGIO ALIMENTAZ.TRASF.LUCI AURELIA18 SEM-VOL	LIGHT WIRING AURELIA WAVE SEM-VOL VERSION
04000480	CABLAGGIO EASY CREAM AURELIA18 DIGIT - T3	EASYCREAM WIRING AURELIA WAVE DIGIT-T3 VERSION
04000482	SUPPL. CABLAGGIO E.V. ACQUA CALDA PROPORZIONALE AURELIA18	ADDITIONAL WIRING FOR WATER TEMPERATURE CONTROL VALVE
04000483	CABLAGGIO E.V. PREINFUSIONE PULSATA AURELIA18 T3 2GR.	PULSEJET WIRING AURELIA WAVE 2GR
04000484	CABLAGGIO E.V. PREINFUSIONE PULSATA AURELIA18 T3 3GR.	PULSEJET WIRING AURELIA WAVE 3GR
04000486	CABLAGGIO SCHEDA CONTROLLO QUALITA' ACQUA AURELIA18	WATER QUALITY CONTROL WIRING AURELIA WAVE
04000488	CABLAGGIO ALIM. CENTRALINA SERVIZI AURELIA18	OPTIONAL PCB BOARD WIRING AURELIA WAVE
04000490	CAVO CENTRALINA - CENTRALINA SERVIZI AURELIA18	SERIAL CABLE MAIN BOARD-OPTIONAL BOARD AURELIA WAVE
04000491	CAVO USB M-M L=1mt	MALE-MALE USB CONNECTION CABLE 1m
04000492	CAVO 16 VIE PULS. AURELIA18 2GR.	FLAT CABLE 16 WAYS AURELIA WAVE 2GR CONTROL PANEL
04000493	CAVO 16 VIE PULS. AURELIA18 3GR.	FLAT CABLE 16 WAYS AURELIA WAVE 3GR CONTROL PANEL
04000496	CAVO 10 VIE DISPLAY AURELIA18	FLAT CABLE 10 WAYS AURELIA WAVE CONTROL PANEL TOUCH DISPLAY
04000498	CAVO 10 VIE DISPLAY EASY CREAM AURELIA18	FLAT CABLE 10 WAYS EASYCREAM DISPLAY AURELIA WAVE T3 VERSION
04000540	CAVO ELETTR. FROR 5x2,5 2mt 450/750V	POWER SUPPLY CABLE FROR 5x2,5 2mt
04000541	CAVO ELETTR. FROR 3x4 2mt 450/750V	POWER SUPPLY CABLE FROR 3x4 2mt

COMPONENTS LIST		
04000542	CAVO ELETTR. 3x4 H07RN-F 2mt450/750V CB -> ICEL <-	3 x 4 H07RN-F, 450/750V CB CABLE
04000543	CAVO ELETTR. 5x2,5 H07RN-F CB450/750V 2,5mt -> ICEL <-	5x2,5 H07RN-F CB 450/750V 2,5mt
04000548	CAVO ELETTR. 3x6 H07RN-F CB L=2,5mt -> ICEL <-	POWER SUPPLY CORD 3x6 H07RN-F 2 mt CB -ICEL-
04000858	TRASF. LED RETRO IN:100/240V OUT:12V CE/UL 15W RS-15-12	BACK LED TRANSFORMER ADONIS
04000883	SENSORE MAGNETICO CILIND.	MAGNETIC REED SENSOR
04000893	CAVO PROLUNGA L=600 CONNETTORI 2VIE TIPO AMP MODI II M-F	EXTENSION CABLE L=600mm AMPMODU MOD II 2 WAYS M-F
04000912	CAVO PROLUNGA L=380 CONNETTORI 2VIE TIPO AMP MODI II M-F	EXTENSION CABLE L=380mm AMPMODU MOD II 2 WAYS M-F
04000913	CAVO PROLUNGA L=780 CONNETTORI 2VIE TIPO AMP MODI II M-F	EXTENSION CABLE L=780mm AMPMODU MOD II 2 WAYS M-F
04001032	CAVO 16 VIE DISPLAY GRUPPI VA388 2GR	16 WAYS FLAT CABLE GROUP DISPLAY VA 388 2 GR
04001033	CAVO 16 VIE DISPLAY GRUPPI VA388 3GR	16 WAYS FLAT CABLE GROUP DISPLAY VA388 3 GR
04001150	CABLAGGIO ALIMENTAZIONE MODULO WIFI - TRASFORMATORE	ADDITIONAL WIRING FOR WIFI AND SWITCHING POWER SUPPLY
04060013	CAVO ALIM. AWG3x10 SJOOW 90°C UL/CSA 2mt SPINA USA ANGOLATA	POWER CABLE AWG3x10 + PLUG 50A
04060014	CAVO ALIM. AWG3x12 SJO 90°C UL/CSA 2mt SPINA USA DRITTA	POWER CABLE AWG3x12 + PLUG 30A
04100012	E.V. NC 2VIE 1/4-1/4 220-230V 50/60HZ VITON F1.5 CE	EV 2W 1/4 1/4 220-230V 50/60HZ VITON F1.5 CE
04100017	E.V. NC 3VIE BASETTA SCAR. 1/8220-230V 50/60Hz RUBY F1.5 CE	EV 3W DOWNL 1/8 220-230V 50/60HZ RUBY F1.5 CE
04100022	E.V. NC 2VIE 1/4-1/4 220-230V 50/60Hz RUBINO F3 CE	ELECTROVALVE 3 WAYS
04100024	E.V. NC 2VIE 1/4 REGOLAT. 90° 230V 50/60Hz F.3 CE	2 WAYS SOLENOID 1/4 F.3 220/230V 50/60Hz
04100027	E.V. NC 3VIE BASETTA SCAR. 1/8208-240V 60Hz RUBY F1.3 UL	2 WAYS EV WITH REGULATOR
04100029	E.V. NC 2VIE 1/4-1/4 208-240V 60Hz VITON F1.5 UL	EV 3W DRAIN 1/8 208-240V 60Hz RUBY D1,3 UL
04100030	E.V. NC 2VIE 1/4-1/4 208-240V 60Hz RUBY F3 UL	E.V. 2VIE AL 208/240V 60Hz VITON
04100033	E.V. NC 2VIE 1/4 REGOLAT. 90° 230/240V 50/60Hz F3 UL	2 WAYS SOLENOID 1/4 F.3 208-240V 60Hz UL
04100042	E.V. NC 3VIE 1/8-1/8 220-230V 50/60Hz VITON F2 CE	EV 2 WAYS 1/4 REGULATING 90° 220V 60Hz D3 UL
04100058	E.V. NC 2VIE 1/8-1/8 208-240V 60Hz VITON F2 UL	2 WAYS VALVE 1/8-1/8 220-230V 50/60Hz VITON F2 CE FIL. 1xM4
04100072	E.V. NC 3VIE 1/4-1/4 SCAR. 1/8 208/240V 50/60Hz F5 INOX	2-WAYS S.V. 1/8-1/8 208-240V 60Hz VITON F2 UL
04100074	E.V. NC 2VIE 1/4-1/4 24V CC PROPORZIONALE	3-WAYS S.V. 1/4-1/4 SCAR. 1/8 208/240 V 50/60 Hz F5 INOX
04100075	E.V. NA 2VIE 1/4-1/4 208-240V 50/60Hz F2 NSF	2 WAYS N.C. G1/4-G1/4 24VDC PROPORTIONAL VALVE
04200019	CONTATTORE QUADRIPOLORE 25A CE/UL BOBINA 230V	2 WAYS N.O. G1/4-G1/4 208-240v 50/60Hz F2 NSF VALVE
04200057	INTERRUT. ACCENSIONE BIPOL. GRANDE 10A UL 22x19 "AURELIA"	ELECTRONIC RELAY 25A 230V UL
04200070	CONTATTORE QUADRIPOLORE 32A CE/UL BOBINA 230V	ON/OFF SWITCH 10A UL 22x19
04200072	CONTATTORE QUADRIPOLORE 45A CE/UL BOBINA 230V	QUADRIPOLORE CONTRACTOR 32 A CE/UL COIL 230V
04200095	RELE' STATICO 25A -250V 3 pz. ASSEMBLATI + CAVO COLL.	CONTRACTOR 45 A CE/UL 230 V
04200097	RELE' STATICO 25A 280V 4out (Celduc)	STATIC CONTACTORS ASSEMBLY 25A - 250V
04200098	RELE' STATICO 25A 280V 1relè ASSEMBLATI CALDAIETTE T3 2GR	SOLID STATE RELAY 4 WAY 25A 280V
04200099	RELE' STATICO 25A 280V 2relè ASSEMBLATI CALDAIETTE T3 3GR	ASSEMBLED STATIC RELAY 25A 280V T3 MACHINE 2GR
04500034	MOTORE ELETTRICO 230V 50/60Hz165W	ASSEMBLED STATIC RELAY 25A 280V T3 MACHINE 3GR
04600020	MICROCOMPRESSORE x EASY CREAM TALENTO / AURELIA II	ELECTR. MOTOR 230 V 50/60 HZ
04900027	DOSATORE VOLUMETRICO OTT. 1/4-1/4GAS -ATT. TEST. 2,8x0,5	MICROCOMPRESSOR "TALENTO CMK"
04900775.1	SONDA TEMPERATURA 150° NTC ATT.1/8 INOX 4x20 Lcavo=500 mm	DOSATORE VOLUMETRICO OTT. 1/4-1/4GAS -ATT. TEST. 2,8x0,5FORO PASSAGGIO 1,2 - "NSF"
04900780	SONDA PT1000 x LANCIA VAPORE "TURBO CREAM" D06 + SUPPORTO	TEMPERATURE PROBE 150°NTC ATT.1/8 SS 4X20
04900808	SONDA TEMPERATURA SCALDATAZZE AURELIA	REPLACE ITEM 04900775
04900990	CENTR. GESTIONE SONDE AURELIA II T3 "DISPLAY A COLORI"	PROBE PT1000 X STEAM WAND "TURBO CREAM" D06
04900991	SONDA TEMPERATURA PT1000 GR. AURELIA II "DISPLAY A COLORI"	CUP WARMER TEMPERATURE SENSOR - AURELIA
04901130	MODULO WI-FI + ANTENNA	PROBES CONTROL BOARD AURELIA II T3 TFT
04901146	CAVO SERIALE INTERFACCIA DIRETTO MODULO WI-FI	GROUP TEMPERATURE PROBE PT1000 FOR AURELIAII TFT
04901154	SCHEDA DISPLAY GRUPPO EROG. VA388	WIFI MODULE COMPLETE WITH ANTENNA
04901250	MODULO SCHEDA EROGAZ. 1 TASTO AURELIA18 S	SERIAL INTERFACE CABLE FOR WIFI MODULE
04901252	MODULO SCHEDA EROGAZ. 5 TASTI AURELIA18 V	SCHEDA DISPLAY GRUPPO EROG. VA388 VADISP
04901258	MODULO SCHEDA SERVIZI SX 2 CHIUSO - AC1 - AC2 - AC3	POURING GROUP DISPLAY CARD
04901260	MODULO SCHEDA SERVIZI SX EC1 - AC2 - AC1 - AC2 - AC3	SINGLE BUTTON MODULE AURELIA WAVE SEM VERSION
04901262	MODULO SCHEDA SERVIZI DX 3 SERVIZI - 2 CHIUSI	FIVE BUTTONS MODULE AURELIA WAVE VOL VERSION
04901264	MODULO SCHEDA SERVIZI DX 3 SERVIZI - EC1 - EC2	LEFT SERVICES MODULE (2 CLOSED-HW1-HW2-HW3)
04901270	CENTR. AURELIA18 SERVIZI	LEFT SERVICES MODULE (EC1-EC2-HW1-HW2-HW3)
04901271	CENTR. AURELIA18 VOL 2-3-4GR.	RIGHT SERVICES MODULE (WASH-CUPWARMER-STANDBY-2 CLOSED)
04901272	CENTR. AURELIA18 DIGIT/T3 VOL 2-3-4GR.	RIGHT SERVICES MODULE (WASH-CUPWARMER-STANDBY-EC1-EC2)
04901273	CENTR. AURELIA18 SEM 2-3-4GR.	OPTIONAL CONTROL BOARD
04901276	SCHEDA USB + ALTOPARLANTE AURELIA18	MAIN CONTROL BOARD AURELIA WAVE VOL VERSION 2-3GR
04901278	SCHEDA CONTROLLER + DISPLAY TOUCH AURELIA18 DIGIT/T3	MAIN CONTROL BOARD AURELIA WAVE SEM VERSION
04901284	TASTI SILICONE DISPLAY AURELIA18	USB SPEAKER BOARD AURELIA WAVE
04901286	DISPLAY EASY CREAM AURELIA18	TOUCH DISPLAY AND CONTROLLER FOR AURELIA WAVE DIGIT/T3 VERSION
04901294	SENSORE INDUTTIVO "PRESENZA PORTAFILTRO" AURELIA18	TFT DISPLAY KEYPAD AURELIA WAVE VOL VERSION
04901296	PROLUNGA SENSORE INDUTTIVO "PRESENZA PORTAFILTRO"	EASYCREAM DISPLAY FOR AURELIA WAVE
04901300	SCHEDA PDB PH-TDS 12V DC POWER SUPPLY + MODBUS RS485	INDUCTIVE SENSOR FOR FILTER HOLDER AURELIA WAVE
04901302	COPPIA SENSORI PH + TDS "WQC" pH PROBE CABLE L=0,6m + TDS	EXTENSION CABLE FOR INDUCTIVE SENSORE AURELIA WAVE
04901306	RACCORDO SENSORI ACQUA "WQC"	WATER QUALITY ANALYZER BOARD 12VDC
04901320	TERMOCOPIA TIPO K "WTC" AURELIA18	WATER QUALITY CONTROL PH AND TDS SENSORS
04901322	RACCORDO PER TERMOCOPIA "WTC" AURELIA18	WATER CIRCULATION CASE FOR WATER QUALITY CONTROL
05000005	GOMMINO PROTEZIONE LANCIA D.10" AURELIA18	K TYPE THERMOCOUPLE FOR WATER TEMPERATURE CONTROL
05000012	RACCORDO PORTATUBO TS 6	SPECIAL FITTING FOR WATER TEMPERATURE CONTROL
05000015	RACCORDO PORTATUBO WES 6R 1/8	THERMOCOUPLE
05000037	GHIERA FILETTATA PER PANNELLI M4x0,7 NYLON BIANCO	RUBBER PROTECTION FOR AURELIA WAVE STEAM WAND
05000047	COPRI RESISTENZA QUADRATA V0	TS 6 HOSE FASTENING
05000063	COPRI VALVOLA SICUREZZA PA6	WES 6R 1/8 HOSE FASTENING
05000085	PRESSACAVO TEC-S M20 D.7-14 CON DADO P-CT M20 Es24	THREADED RING NUT FOR PANELS M4 WHITE
05000089	PRESSACAVO TEC-S M25 CON DADO	HEATING ELEMENT COVER
05000230	COPRI TELERUTTORE	SAFETY VALVE COVER
05000232	COPRI INTERRUTTORE QUADRATO	CABLE GLAND TECH-S M20 D.7-14+ NUT P-CT M20
05000235	COPRI MORSETTO CABLAGGI	STRAIN BELIEF TEC-S M25
05000244	TAPPO COPRIFORO QUADRATO 25x25 NERO STQ 25x25	ELECTRONIC RELAY COVER
05000414	CHIUSURA DISPLAY GR.EROGAZIONE VA388	SWITCH COVER
05000416	PROTEZIONE CAVO DISPLAY GRUPPO VA388	TERMINAL BLOCK PROTECTION
05000751	PASSACAVO PVC NERO D12x17x7 CON MEMBRANA	25 x 25 BLACK CAP TO COVER HOLE
05000462	VETRINO PROTEZIONE DISPLAY TFT VA358	DISPLAY GROUP COVER VA388
05000762	RACCORDO PORTATUBO GES 6 1/8 MASCHIO DIRITTO	SLEEVE PROTECTION DISPLAY CABLE VA 388
05000763	RACCORDO ATT. 3/4Fx19 90° x TUBO DI SCARICO	BLACK PVC GROMMET D12x17x7
05000840	MANOPOLA PORTAFILTRO 2003 NERO	COVER PROTECTION FOR TFT DISPLAY VA358
05000842	CHIUSURA MANOPOLA PORTAFILTRO 2003	STRAIGHT FITTING - PIPE HOLDER 1/8
05000844	RIVESTIMENTO GOMMA NERA MANOPOLA PORTAFILTRO	CONNECTION 3/4 90°F x DRAINING TUBE
05000892	CHIUSURA SICUR. PIANO LAVORO 2 ABS	FILTER HOLDER KNOB 2003 BLACK
05000893	CHIUSURA SICUR. PIANO LAVORO 3 ABS	FILTER HOLDER KNOB LOCK 2003
05001224.C	MOSTRINA MANOMETRO AURELIA II CROMATA	BLACK RUBBER COVER FILTER HOLDER KNOB
05001251	CHIUSURA IN GOMMA PORTA USB AURELIA II	SAFETY COVER 2 GR ABS - STAINLESS STEEL
05001302.BV	FIANCO INF. DX AURELIA18 BIANCO VERNICIATO	REPLACE 03001802
05001302.NOV	FIANCO INF. DX AURELIA18 NERO OPACO VERNICIATO	SAFETY COVER 3 GR ABS - STAINLESS STEEL
05001302.RV	FIANCO INF. DX AURELIA18 ROSSO VERNICIATO	REPLACE 03001803
05001304.BV	FIANCO INF. SX AURELIA18 BIANCO VERNICIATO	WATER MANOMETER CHROMED FRAME AURELIA II
05001304.NOV	FIANCO INF. SX AURELIA18 NERO OPACO VERNICIATO	RUBBER USB COVER AURELIA II TFT
05001304.RV	FIANCO INF. SX AURELIA18 ROSSO VERNICIATO	WHITE PAINTED RIGHT SIDE LOWER PANEL FOR AURELIA WAVE
05001306.BV	FIANCO LAT. DX AURELIA18 BIANCO VERNICIATO	MATTE BLACK PAINTED RIGHT SIDE LOWER PANEL FOR AURELIA WAVE
05001306.NOV	FIANCO LAT. DX AURELIA18 NERO OPACO VERNICIATO	RED PAINTED RIGHT SIDE LOWER PANEL FOR AURELIA WAVE
05001306.RV	FIANCO LAT. DX AURELIA18 ROSSO VERNICIATO	WHITE PAINTED RIGHT SIDE LATERAL PANEL FOR AURELIA WAVE
05001308.BV	FIANCO LAT. SX AURELIA18 BIANCO VERNICIATO	MATTE BLACK PAINTED RIGHT SIDE LATERAL PANEL FOR AURELIA WAVE
05001308.NOV	FIANCO LAT. SX AURELIA18 NERO OPACO VERNICIATO	RED PAINTED LEFT SIDE LOWER PANEL FOR AURELIA WAVE
05001308.RV	FIANCO LAT. SX AURELIA18 ROSSO VERNICIATO	WHITE PAINTED LEFT SIDE LATERAL PANEL FOR AURELIA WAVE
05001310.C	COPRIGRUPPO GR. BASSO AURELIA 18 CON SCRITTA CROMATO	MATTE BLACK PAINTED LEFT SIDE LATERAL PANEL FOR AURELIA WAVE
05001312.C	COPRIGRUPPO GR. ALTO AURELIA18 CROMATO	RED PAINTED LEFT SIDE LATERAL PANEL FOR AURELIA WAVE
		LOW GROUP CHROME PLATED COVER FOR AURELIA WAVE
		HIGH GROUP CHROME PLATED COVER FOR AURELIA WAVE

COMPONENTS LIST		
05001314.C	COPRIGRUPPO SERVIZI AURELIA18 CROMATO	LATERAL SERVICES CHROME PLATED COVER FOR AURELIA WAVE
05001316.C	MOSTRINA MANOPOLA VAPORE AURELIA18 CROMATA	STEAM KNOB CHROME PLATED COVER FOR AURELIA WAVE
05001318	MOSTRINA MANOPOLA VAPORE CHIUSA AURELIA18	STEAM KNOB CLOSED COVER FOR AURELIA WAVE
05001320	VASCHETTA SCARICO AURELIA18	DRAIN BOX FOR AURELIA WAVE
05001322	MANOPOLA VAPORE AURELIA18	STEAM LEVER FOR AURELIA WAVE
05001328	VETRINO PROTEZIONE DISPLAY GRUPPI AURELIA18 T3	GROUPS DISPLAY PROTECTION COVER
05001330	CHIUSURA POSTERIORE DISPLAY AURELIA18	MAIN DISPLAY BACK COVER AURELIA WAVE
05001332	SUPPORTO DISPLAY AURELIA18 VOL	TFT DISPLAY SUPPORT FOR AURELIA WAVE VOL VERSION
05001334	SUPPORTO DISPLAY AURELIA18 DIGIT-T3	TOUCH DISPLAY AND CONTROLLER SUPPORT AURELIA WAVE DIGIT/T3 VERSION
05001336.C	MOSTRINA DISPLAY AURELIA18 CROMATO	MAIN DISPLAY CHROME PLATED COVER FOR AURELIA WAVE
05001350	PIEDE MACCHINA D.40 H=18+COMM. INSERTO M8 MASCHIO	MACHINE FOOT DIAM 40 H18 M8 MALE
05002044	PASSACAVO DKFA D.19 PVC NERO	DKFA BLACK PVC CABLE DUCT Ø19
05002210	SUPPORTO ANGOLARE PIATTO RACCOGLIACQUA	FLAT ANGULAR WATER TRAY SUPPORT ADONIS
05002226	DISTANZIALE DISPLAY NYLON 6x4xh10 ADONIS	NYLON SPACER DISPLAY 6X4XH10 ADONIS
05002228	COLLETTORE SCARICO GRUPPI EROG	POURING UNIT DRAIN MANIFOLD
05002230	TAPPO GOMMA SCARICO D.8 x 05002228	DRAIN RUBBER PLUG
05002236	DISTANZIALE ESAGONO 6 M3 h20	SHIN M3 H20
05080035	PRESSA CAFFE' ABS NERO	PLASTIC COFFEE PRESS
05340013	BASETTA 19x19 PER FASCETTA CON FORO PER VITE M4	SMALL BASE 19X19 FOR BAND WITH SCREW HOLE M4
05340018	TAPPO BIANCO POLIETILENE D. FORO 5,5 5x10	WHITE NYLON CAP 10.3x6.1 HOLE D. 5.5
05340030	GRIGLIA MODULO 370x335	NYLON GRILL 370x335 REPLACE 05340023
05340031	GRIGLIA MODULO 370x230	NYLON GRILL 370x230 REPLACE 05340025
06100168.C	PROLUNGA PIEDE AURELIA 18 CROMATA	MACHINE FOOT CHROME PLATED EXTENSION FOR AURELIA WAVE
06100170.C	PIEDE AURELIA18 CROMATO	MACHINE FOOT CHROME PLATED SUPPORT
06100172.C	INSERTO FIANCO SUPER. POSTER. DX AURELIA18 CROMATO	RIGHT UPPER SIDE CHROME PLATED COVER
06100174.C	INSERTO FIANCO SUPER. POSTER. SX AURELIA18 CROMATO	LEFT UPPER SIDE CHROME PLATED COVER
06100176.C	INSERTO FIANCO INFER. POSTER. DX AURELIA18 CROMATO	RIGHT LOWER SIDE CHROME PLATED COVER
06100178.C	INSERTO FIANCO INFER. POSTER. SX AURELIA18 CROMATO	LEFT LOWER SIDE CHROME PLATED COVER
06100180.C	INSERTO PORTATUBO ANTER. DX AURELIA18 CROMATO	RIGHT LATERAL SIDE CHROME PLATED TUBE SUPPORT
06100182.C	INSERTO PORTATUBO ANTER. SX AURELIA18 CROMATO	LEFT LATERAL SIDE CHROME PLATED TUBE SUPPORT
06100184.C	INSERTO PORTATUBO POSTER. AURELIA18 CROMATO	BACK SIDE CHROME PLATED TUBE SUPPORT
06200008	BECCO DUE VIE OPEN	TWO WAYS SPOUT
06200070	CORPO GR. EROGAZ. AURELIAI T3 OT-57 USA	POURING GROUP FOR AURELIA II T3 VERSION
06200081	ANELLO GRUPPO +SEDE OR CROMATO OT-58	CHROME GROUP RING AURELIA
06200081.1	ANELLO GRUPPO +SEDE OR CROMATO OT-58 PER SENSORE PORTAFILTRO	CHROME PLATED GROUP RING FOR INDUCTIVE SENSOR
06200082	CORPO GR. AURELIA 08/II S-V-D OT-57 USA	GROUP BODY AURELIA
06200084	CROCIERA 5 VIE "AURELIA" OT-57 USA	CROSSPIECE 5 WAYS BRASS "AURELIA"
06200086	CORPO PORTAF. INCLINATO 2003 PERSONALIZZATO N.S.	TILTED FILTER HOLDER BODY 2003
06200100	CORPO PORTAF. INCLINATO SENZA MARCHIO BECCO ORIENTABILE	FILTER HOLDER NO BRAND NAME
06200100.N	CORPO PORTAF. INCLINATO SENZA MARCHIO PER BECCO ORIENTABILE	FILTER HOLDER NO BRAND NAME NANOTECH
06200125	CROCIERA 4 VIE 1/4 M OT-57 USA	CRUSIN FOUR DIRECTION 1/4 M OT-57 USA
07300012.M8	RACC. 1/4 1/4 GAS CON OR F.M8 OT-57 USA	CONNECTION 1/4 1/4 W/OR HOLE M8
07300013	RACCORDO L 1/4 M-F CILIN. OT-58 NICHELATO	CONNECTION L 1/4 M-F CYLIN.
07300017	RACCORDO 1/4M 3/8M GAS OT-57 USA	FITTING 1/4 3/8 GAS OT.
07300034	PISTONCINO OTT. 12x4,5x4	VALVE PISTON 12x4,5x4
07300054	PISTONCINO 012X4 NEPLAX/RIT *AGG. 24.11.93	SMALL PISTON 012X4 NEPLAX/RIT
07300055	TAPPO PORTAMOLLA 3/8"-1/4" *AGG. 14.06.99	SPRING HOLDER PLUG 3/8"-1/4"
07300062	CORPO VALVOLA NEPLAX/RITEGNO AT. DA 1/4 GAS AGG.23.06.97 *	NEPLAX VALVE BODY
07300067	DADO RACCORDO 3/8 GAS D11 AGG. 15.11.84	NUT CONNECTION 3/8 GAS D11
07300068.TEA	RACCORDO L 3/8 M-M CILIN. OT-57 + TEATURA	CYLINDRICAL ELBOW CONNECTION G3/8" M/M
07300091	RACCORDO T 1/4 M-F M CILIN.	T FITTING MFM 1/4
07300092	BECCO UNA VIA CURVO OPEN	SINGLE SPOUT
07300097	TERMINALE CHIUSO D.14 OT-57	TERMINAL D.14
07300099	RIDUZIONE 3/8-1/4 ES.20 AGG. 29.05.96	VACUUM RELIEF VALVE ADAPTER
07300100.M8	ATTACCO SCAR. 1/4-1/4 + INT M8OT-57 USA	FITTING 1/4"M-1/4"M INT. M8
07300110	TAPPO PORTA MOLLA R.V. PR. OT-58	SPRING HOLDER TAP
07300111	RACCORDO L 3/8 M-F 458 AGG. 18.02.97	ELBOW SPRING HOLDER 3/8
07300121	RACCORDO L 1/4 M-M CILINDRICOAGG. 18.02.97	CONNECTION L 1/4 M-M CYLIN.
07300125	GIGLER M8x8 F.0.8 OT-57 +TEA	GIGLEUR M8x8 F.0.8
07300126	GIGLER M8x8 F.1.5 OT-57 +TEA	GIGLER M8x8 F.1.5 OT-57 +TEA
07300127	GIGLER M8x8 F.2.5	GIGLER M8x8 F.2.5
07300128	TAPPO 1/4 GAS AGG.31.01.89 OT-57	CAP 1/4 GAS
07300166	FLANGIA CHIUSURA BLOCCETTO PORTA ELETTROV. AGG.07.07.03	BLOCK LOCK FLANGE SOLENOID VALVE HOLDER
07300172	RACCORDO 3/8 M-3/8 M INT M8 OT-57 USA	PIPE FITTING 3/8"M-3/8"M INT M8
07300183	PADIGLIONE GRUPPO PREMIER2002 h=3 OT-57	GROUP HEAD CAP h=3mm
07300183.4	PADIGLIONE GRUPPO PREMIER2002 h=4	GROUP HEAD CAP h=4mm
07300183.5	PADIGLIONE GRUPPO PREMIER2002 h=5 OT-58	DIFFUSER h=5
07300183.N	PADIGLIONE GRUPPO PREMIER2002 h=3 NANOTECH	PADIGLIONE GRUPPO PREMIER2002 h=3 NANOTECH
07300196	PERNO M4 FIX CARENA ES 6	HINGE M4 FIX BOTTOM ES 6
07300218	RACCORDO L 1/8 M-F 458	L FITTING 1/8 M-F
07300221	ASTA INOX RUBINETTO VAPORE	STEAM VALVE INOX SCREW
07300224	GIGLER M8x8 F.1	GIGLEUR M8x8 F.1
07300226	GIGLER M8x8 F.2.0 OT-57 +TEA	GIGLEUR M8x8 F.2
07300229	GIGLER M8x8 F.0.5 OT-57 +TEA	GIGLEUR M8x8 F.0.5
07300231	GIGLER M8x8 F.1.8	GIGLER M8x8 F.1.8
07300236	RACCORDO A T 3/8 M-F-F	T CONNECTION 3/8 M-F-F 466
07300244	RACCORDO 1/4M 1/8M + FILETT.M8 Aisi303	FITTING 1/4 1/8 GAS Aisi303
07300249	RACCORDO 1/8M L=12 3/8F	UNION 1/8M L= 12 3/8F
07300341	PERNO BLOCC. CENTRAL. VIP INOXNICHELATO L=35 AGG.29.01.98	CENTRAL LOCK VIP NICKEL PLATED L=35
07300342	PERNO SUPPORTO CENTRAL. VIP NICHELATO	NICKEL PLATED CONTROL UNIT SUPPORT PIN
07300355	FORCELLA RUBINETTO '99 OTTONE OT-58	TAP FORK
07300355.1	FORCELLA RUBINETTO '99 OTTONE OT-58 AURELIA18 LUCI DIGIT/T3	STEAM TAP FORK WITH LIGHT SUPPORT FOR AURELIA WAVE DIGIT/T3 VERSION
07300364	RACCORDO DIR. 1/8 M CON. - CALZAM.6 340	STRAIGHT FITTING 1/8 SHEATH TYPE D.6
07300391	PROLUNGA FISSAGGIO SCALDAPAZZE VA358	EXTENSION FOR VA358 CUP WARMER FASTENING
07300531	RACCORDO L 1/4 F CALZAM. 347	CONNECTION L 1/4 F ACTUATOR 347
07300601	INSERTO MANOPOLA PORTAFILTRO 2003 INOX (Aisi303)	FILTER HOLDER KNOB INSERTION 2003 STAINLESS
07300612	RACCORDO 1/4 1/4 GAS CON OR + BLOCCA VALVOLINA RITEGNO	CONNECT. 1/4 1/4 GAS WITH OR + VALVE LOCK
07300613	INSERTO CAMERA PRE-INFUSIONE GR. AURELIA OT-57	PRE INFUSION CHAMBER CAP
07300671	BECCO EASYCREAM 4 FORI TALENTO / AURELIA II	TALENTO EASYCREAM NOZZLE
07300685	GIGLER M8x8 F.1.2	CALIBRATED ORIFICE M8x8 HOLE 1.2mm
07300714	RACCORDO L 1/8 M - CALZAM.6	L FITTING 1/8 SHEAT TYPE D6
07300720	RACCORDO L 1/4 M - CALZAM.	L FITTING 1/4 M SHEAT TYPE
07300800	CORPO RUB.VAPORE AURELIA II OT-57	STEAM TAP
07300802	ATTACCO RUB. ACQUA/AUTOSTEAM AURELIA II OT-57	FASTENING WATER-AUTOSTEAM WAND AURELIA II
07300802.1	ATTACCO RUB. ACQUA CALDA AURELIA18 PER CONTROLLO	HOT WATER TAP FOR AURELIA WAVE WATER TEMPERATURE CONTROL SYSTEM
07300810	SPINOTTO RUB.VAPORE AURELIA II	SPINOTTO RUB.VAPORE AURELIA IIREPLACE 07300104
07300816	DISTANZIALE FISSAGGIO FRONTALE GRUPPO AURELIA II x GR.BASSI	FRONT SPACER FOR LOW GROUPS FIXING AURELIA II
07300817	DISTANZIALE FISSAGGIO FRONTALE GRUPPO AURELIA II x GR.ALTI	FRONT SPACER FOR HIGH GROUPS FIXING AURELIA II
07300818	POMELLO REGISTRO POMPAANTE AURELIA II	PUMP REGISTER KNOB
07300859	RACCORDO 3/8M-3/8M GIGLER F.3 OT-57	G3/8" MALE-MALE FITTING WITH ORIFICE DIAM 3mm
07300862	TAPPO 1/8 GAS Aisi304 + SEDE OR	CAP 1/8 GAS Aisi303 + OR
07300863	TAPPO 1/4 GAS Aisi304 + SEDE OR	CAP 1/4 GAS Aisi303 + OR
07300864	RACCORDO 1/4M 1/8M + FILETT.M6 Aisi304 + SEDE OR	FITTING 1/4 1/8 GAS Aisi303+OR
08000005	MOLLA 6 ST 11,5X8,5X25 RUB.VAPORE	MOLLA 6 ST 11,5X8,5X25 RUB.VAPORE *
08000017	ANELLO SEGER TIPO RS 5 INOX UNI7434 *KB*	SEGER RING RS 5 STAINLESS STEEL
08000026	MOLLA BLOCCA FILTRO ACC.INOX *KB*	FILTER HOLDER SPRING INOX
08000034	MOLLA TARATA D 11.4 F1.5 5.25SVALVOLA NEPLAX 95	CALIBRATED SPRING D 11.4 F1.5 NEPLAX VALVE
08000093	FASCETTA STRINGITUBO D12 *KB*	HOSE CLAMPS D12
08000101	MOLLA FISSAGGIO ISOLANTE GR. EROGAZ. AURELIA II	INSULATION SHEET SPRING DELIVERY GROUP AURELIA II
08000103	MOLLA SONDA LUCI AURELIA18	LIGHT SENSOR SUPPORTO SPRING
09000005	MOLLA Sonda FIANCO AURELIA WAVE	LATERAL SIDE COVER SPRING
09000016	SONDA AUTOLIVELLO COMP. L=130	LEVEL PROBE L= 130
09000018	RUBINET. SFERA ALLACCIO RETE 3/8 M-F MINI	TAP CONNECTION SUPPLY 3/8 M-F
09000018	RUBINET. SFERA DISTRIBUTORE 1/4 M-F A FARFALLA	DISPENSER TAP 1/4 M-F

COMPONENTS LIST		
09100003	MANOMETRO DOPPIA SCALA 2.5:15 D.60	DOUBLE SCALE GAUGE
09100009	MANOMETRO D.60 0-16 BAR 1/8" WBC	PRESSURE GAUGE AURELIA WBC
09200006	PRESSOSTATO MACCHINA CE/UL TRIF. 30A 400V	PRESSOSTAT CE/UL 30A 400V
09200018	TRASDUTTORE DI PRESSIONE R1 (SENZA CAVETTO 04000244)	PRESSURE TRANSDUCER R1 WITHOUT LEAD
09500002	TERMOSTATO RIARMO AUTO. 125°C	AUTOMATIC RESET THERMOSTATE 125°
09500006	TERMOSTATO R.AUT. 55°C	THERMOSTAT 261 R.AUT. 55 C
09500014	TERMOPROTEETTORE x RESISTENZA G5 167°C 16A 250V UL	THERMO PROTECTOR
09500024	TERMOSTATO R.MAN. 135°C TRIPFREE	MANUAL THERMOSTAT 135°C TRIPFREE
11600001.W	TUBO SILICONE BIANCO4x7,5 60Sh(1mt=41gr) PLATINICO SEMITRASP	WHITE SILICON PIPE 4x7.5 60 ShSEMI-TRANSPARENT
11600002	TUBO SILICONE 5x8 60Sh PEROX (1mt=37gr) TRASPARENTE	SILICONE TUBE 5x8 (1 mt. = 37 gr.)
11600004	TUBO SILICONE 5x9 60Sh PEROX BIANCO SEMITRASPARENTE	SILICON PIPE WHITE 5x9 60Sh SEMI-TRANSPARENT (1 MT= 50 GR.)
11740001	TUBO TEFLON 6/4	TEFLON PIPE 4x6
11740003	TUBO TEFLON 6/4 CALIBRATO	CALIBRATED TEFLON TUBE 6/4mm
14100066	RESISTENZA A CARTUCCIA D10x115 300W 230V	CARTRIDGE WARMER D10x115
14100069	RESISTENZA A CARTUCCIA D6,5x26 10W 24V	HEATING CARTRIDGE DIAM6,5x26mm 10W 24V
14100072	RESISTENZA ADESIVA IN SILICONESCALDATAZZE LATER. AURELIA18	ADHESIVE SILICON HEATING ELEMENT FOR LATERAL SIDE CUP WARMER AURELIA WAVE
14100073	RESISTENZA ADESIVA IN SILICONE SCALDATAZZE CENTR. AURELIA18	ADHESIVE SILICON HEATING ELEMENT FOR CENTRAL SIDE CUP WARMER AURELIA WAVE
40000005	RONDELLA OT 27x17x2 GREZZA	BRASS BUSHING
40000010	DADO AQ M6 RONDELLA SALDATA ZINCATO *KB*	NUT M6 WITH WELD ZINCKED WASHER
40200004	GUARNIZ. SOTTOCOPPA CONICA 82/84 Sha	CUP GASKET CONICAL 82/84 SHA
40500005	FERMACAVO V.A. 2GR/MONO/FAMILYPG9	CABLE GLAND V.A. 2GR/MONO/FAMILY
72012007	VALVOLA NEPLAX COMPLETA 14,5BAR	EXPANSION VALVE
75006038.1	BECCO VAPORE M8,65x0,75 F. 1,2 ESAG.12	STEAM NOOZLE M8, 65X0,75 F1,2 ESAG.1,2 07300670
75006060.W	KIT LANCIA VAPORE SNODATA INOX CON BECCO 1.5 E DADO ALTO	STEAM WAND WITH 1.5mm NOZZLE HOLES
75006060.WF	KIT LANCIA VAPORE SNODATA INOX FREDDA BECCO 1.5 E DADO ALTO	STEAM WAND COOL TOUCH VERSION WITH 1,5mm NOZZLE HOLES
82007003.1	ROMPIGETTO ACQUA CALDA D.23,5 F 1/8" CON AERATORE INOX	HOT WATER STAINLESS STEEL AERATOR DIAM 23.5 G1/8"
98004001	FILTRO INOX DIAM. 8	FILTER INOX DIAM. 8
98004016	FILTRO INOX DIAM. 12	STAINLESS FILTER DIAM. 12
98005023.N	CORPO PORTAFILTRO NANOTECH SENZA ANELLO + MANOPOLA NERO	FILTER HOLDER NANOTECH VERSION WITH BLACK HANDLE
98005024	CORPO PORTAFILTRO INCLINATO + MANOPOLA N.S.	TILTED FILTERHOLDER +HANDLE
98006026	LANCIA VAPORE "EASYCREAM" DADO ALTO AURELIA II	EASY CREAM STEAM WAND
98007020	KIT LANCIA ACQUA C. INOX L=100 DADO ALTO COMPLETO DI	KIT HOT WATER WAND INOX L=100 HIGH NUT WITH TAP AERATOR
98007022	KIT LANCIA ACQUA C. INOX L=70 DADO ALTO COMPLETO DI	KIT HOT WATER WAND INOX L=70 HIGH NUT WITH TAP AERATOR
98008004	PISTONCINO CHIUSURA COMPLETO	COMPLETE STEAM VALVE PISTON
98011003	PRESSA CAFFE' ANOD.ROSSO N.S.'09 - CONFEZIONATO	RED ANODISED COFFEE TAMPER - N.S.'09
98013022	VALVOLA SICUREZZA C10 1.8 BAR 3/8" VITON 97/23/CE CAT.IV H1	C10 3/8 SAFETY VALVE SET TO 1.8 BAR 97/23/EC
98030055	TUBO TEFLON INT. SCAMBIATORE D.6 x 180 mm.	INT. TEFLON TUBE EXCHANGER D.6 X 180 MM.
98030065	TUBO D.8 1/4 1/4 L=59.5	TUBE D.8 1/4 1/4 L=50
98030075	TUBO CAPILLARE 1/8-1/4 0.9x2x400 MANOMETRO- POMPA	CAPILLARY TUBE 1/8-1/4 0.9X2X400 MANOM.-PUMP
98030165	TUBO 1/4 1/4 MODIFICA SEMIAUT APPIA 1-2-3 GR.	TUBE 1/4 1/4 SEM CHANGE APPIA 1-2-3 GR
98030224	ASSIEME DOSATORE VA358 DIGIT AURELIA18 V-DGT GIGLER F.0,8	COMPLETE FLOWMETER ASSEMBLY FOR VA358-AURELIA WAVE VOL-DIGIT GIGLEUR 0.8mm
98030311	CALDAIA SALD. ACCIAIO AISI316 MICROBAR II 230V 700W	WELDED COFFEE BOILER AISI316 230VAC 700W
98030500	ASSIEME TUBO TEFLON INTERNO CALDAIA CAFFE' T3 "TUBI RAME"	COMPLETE ASSEMBLY TEFLON INJECTOR FOR T3 COFFEE BOILER
98030582	TUBO E.V. - LANCIA VAPORE DX EASY CREAM AURELIA II	TUBE RIGHT EASY CREAM AURELIA II
98030583	TUBO E.V. - LANCIA VAPORE SX EASY CREAM AURELIA II	TUBE LEFT EASY CREAM AURELIA II
98030587	TUBO VALVOLA SICUREZZA AURELIA II CALDAIA DOPPIA COPPA	TUBE SAFETY VALVE "DUBLE CUP"
98030900	TUBO E.V. LIVELLO-CROCIERA VA358	AUTO REFILL VALVE-CROSS INPUT PIPING VA358
98030902	TUBO CARICO CALDAIA VA358	BOILER FILLING PIPE VA358
98030906	CROCIERA 2GR. VA358	CROSS 2 GR. VA358
98030907	CROCIERA 3GR. VA358	CROSS 3 GR. VA358
98030917	TUBO CALDAIA - SENSORE DI PRESSIONE VA358	BOILER-PRESSOSTAT PIPE VA358
98030918	TUBO CALDAIA - PRESSOSTATO VA358 SOLO CSA	PRESSOSTAT-BOILER PIPE VA358 CSA ONLY
98030921	TUBO CALDAIA -E.V. ACQUA CALDA VA358	BOILER-E.V. HOT WATER VA358
98031002	CALDAIA 2GR D.180 L111 DOPPIA COPPA	BOILER 2GR. D.180 L111 "DUBLE CUP"
98031003	CALDAIA 3GR D.180 L117 DOPPIA COPPA	BOILER 3GR. D.180 L117 "DUBLE CUP"
98031006	CALDAIA 2GR T3 D.180 L111 DOPPIA COPPA	WELDED BOILER 2GR. T3 D.180 L111 "VER COPPER PIPE"
98031007	CALDAIA 3GR T3 D.180 L117 DOPPIA COPPA	WELDED BOILER 3GR. T3 D.180 L117 "VER COPPER PIPE"
98031100	TUBO SUP. GR. BASSO AURELIA18	UPPER TUBE FOR LOW GROUPS VERSION AURELIA WAVE
98031102	TUBO INF. GR. BASSO AURELIA18	LOWER TUBE FOR LOW GROUPS VERSION AURELIA WAVE
98031104	TUBO SUP. GR. ALTO AURELIA18	UPPER TUBE FOR HIGH GROUPS VERSION AURELIA WAVE
98031106	TUBO INF. GR. ALTO AURELIA18	LOWER TUBE FOR HIGH GROUPS VERSION AURELIA WAVE
98031108	TUBO LANCIA VAP DX AURELIA18	RIGHT STEAM WAND TUBE
98031110	TUBO LANCIA VAP SX AURELIA18	LEFT STEAM WAND TUBE
98031112	TUBO CALDAIA - MANOMETRO AURELIA18	BOILER-PRESSURE GAUGE TUBE FOR AURELIA WAVE
98031114	CROCIERA MISCELATORE ACQUA CALDA AURELIA18	DISTRIBUTOR TUBE FOR AURELIA WAVE HOT WATER MIXER
98031116	TUBO DOSATORE DX - CALDAIA AURELIA18	RIGHT FLOWMETER TO BOILER EXCHANGER TUBE FOR AURELIA WAVE
98031118	TUBO DOSATORE SX - CALDAIA AURELIA18	LEFT FLOWMETER TO BOILER EXCHANGER TUBE FOR AURELIA WAVE
98031120	TUBO DOSATORE DX - CALDAIA AURELIA18 T3	RIGHT FLOWMETER TO COFFEE BOILER TUBE FOR AURELIA WAVE T3 VERSION
98031122	TUBO DOSATORE SX - CALDAIA AURELIA18 T3	LEFT FLOWMETER TO COFFEE BOILER TUBE FOR AURELIA WAVE T3 VERSION
98031124	TUBO CALDAIA - CALDAIA CAFFE' AURELIA18 T3	EXCHANGER TO COFFEE BOILER TUBE FOR AURELIA WAVE T3 VERSION
98031126	TUBO CALDAIA-E.V. EASY CREAM DX AURELIA18	BOILER TO STEAM VALVE TUBE RIGHT EASYCREAM WAND FOR AURELIA WAVE
98031128	TUBO E.V. EASY CREAM - LANCIA DX AURELIA18	STEAM VALVE TO STEAM WAND RIGHT EASYCREAM WAND FOR AURELIA WAVE
98031130	TUBO CALDAIA-E.V. EASY CREAM SX AURELIA18	BOILER TO STEAM VALVE TUBE LEFT EASYCREAM WAND FOR AURELIA WAVE
98031132	TUBO E.V. EASY CREAM - LANCIA SX AURELIA18	STEAM VALVE TO STEAM WAND LEFT EASYCREAM WAND FOR AURELIA WAVE
98110001	VALVOLA RITEGNO COMPL. 1/8 F-FOT-58	RETAIN VALVE 1/8 F-F
98120001	VALVOLA NEPLAX VITON 16,5 BAR 1/8 - PORTAGOMMA	VALVOLA NEPLAX VITON 16BAR 1/8 - PORTAGOMMA REPLACE 73012002
98120005	VALVOLA NEPLAX VITON 12BAR 1/8 - PORTAGOMMA	NEPLAX VITON 12 BAR VALVE 1/8 HOSE CLAMP
98030000000028	ASS. TUBO COLL. GR. IDRAULICO-CALDAIA APPIA GIGLER F.0,8	COMPLETE ASSEMBLY DISTRIBUTOR-BOILER APPIA WITH 0,8mm GIGLEUR
98030000001004	ASS. TUBO COLL. GR.IDRAULICO - CALDAIA T3 "PER TUBI RAME" F0.8mm	ASSEMBLY CONN. BOILER HEAT EXCH. -STOP VALVE- GIGLER F0,8
98030000002032	ASSIEME CALDAIA 2GR. AURELIA18 T3	COMPLETE 2GR BOILER ASSEMBLY AURELIA WAVE T3 VERSION
98030000002033	ASSIEME CALDAIA 3GR. AURELIA18 T3	COMPLETE 3GR BOILER ASSEMBLY AURELIA WAVE T3 VERSION
98030000002050	ASSIEME DOSATORE T3 AURELIA18 - VA358 GIGLER 0,5	COMPLETE FLOWMETER ASSEMBLY WITH 0,5mm GIGLEURVA358-AURELIA WAVE T3 VERSION
98030000002051	ASSIEME DOSATORE T3 AURELIA18 - VA358 GIGLER 0,8	COMPLETE FLOWMETER ASSEMBLY WITH 0,8mm GIGLEURVA358-AURELIA WAVE T3 VERSION
98030000002062	ASSIEME CALDAIA AURELIA18 2GR DIGIT	COMPLETE BOILER ASSEMBLY AURELIA WAVE 2GR DIGIT VERSION
98030000002063	ASSIEME CALDAIA AURELIA18 3GR DIGIT	COMPLETE BOILER ASSEMBLY AURELIA WAVE 3GR DIGIT VERSION
98030000002072	ASSIEME CALDAIA AURELIA18 2GR S-V	COMPLETE ASSEMBLY BOILER AURELIA WAVE 2GR SEM-VOL VERSION
98030000002073	ASSIEME CALDAIA AURELIA18 3GR S-V	COMPLETE ASSEMBLY BOILER AURELIA WAVE 3GR SEM-VOL VERSION
98060000000111	ASS. RUBINETTO VAPORE SENZA LANCIA AURELIA II - APPIA II	COMPLETE ASSEMBLY STEAM TAP WITHOUT WAND
98060000000142	ASS. ATTACCO + LANCIA EASY CREAM CON SONDA AURELIA II	COMPLETE ASSEMBLY TAP AND EASYCREAM WAND WITH TEMPERATURE PROBE FOR AURELIA II
98060000000174	ASS. RUBINETTO VAPORE + LANCIA VAPORE AURELIA18	COMPLETE ASSEMBLY TAP AND STEAM WAND FOR AURELIA WAVE
98060000000176	ASS. RUBINETTO VAPORE + LANCIA VAPORE FREDDA AURELIA18	COMPLETE ASSEMBLY TAP AND COOL TOUCH WAND FOR AURELIA WAVE
98060000000182	ASSIEME MANOPOLA VAPORE DX AURELIA18	COMPLETE ASSEMBLY RIGHT STEAM LEVER FOR AURELIA WAVE
98060000000183	ASSIEME MANOPOLA VAPORE DX AURELIA18 DIGIT-T3 + LUCI	COMPLETE ASSEMBLY RIGHT STEAM LEVER FOR AURELIA WAVE DIGIT-T3 WITH LIGHTS
98060000000184	ASSIEME MANOPOLA VAPORE SX AURELIA18	COMPLETE ASSEMBLY LEFT STEAM LEVER FOR AURELIA WAVE
98060000000185	ASSIEME MANOPOLA VAPORE SX AURELIA18 DIGIT-T3 + LUCI	COMPLETE ASSEMBLY LEFT STEAM LEVER FOR AURELIA WAVE DIGIT-T3 WITH LIGHTS

COMPONENTS LIST			
98070000000050	ASSIEME ATTACCO + LANCIA ACQUA CALDA L=100 CON DADO ALTO	ASSEMBLY CONNECTION + HOT WATER WAND L=100 WITH HIGH NUT	
98070000000052	ASSIEME ATTACCO + LANCIA ACQUA CALDA L=70 CON DADO ALTO	ASSEMBLY CONNECTION + HOT WATER WAND L=70 WITH HIGH NUT	
98070000000060	ASS. ATTACCO +LANCIA ACQUA C. L=100 DADO ALTO+CONTROLLO TEMP	ASSEMBLY CONNECTION + HOT WATER WAND L=100 HIGH NUT WITH WATER TEMPERATURE CONTROL	
98070000000062	ASS. ATTACCO +LANCIA ACQUA C. L=70 DADO ALTO+CONTROLLO TEMP	ASSEMBLY CONNECTION + HOT WATER WAND L=70 HIGH NUT WITH WATER TEMPERATURE CONTROL	
98080000000040	ASS. SCALDATAZZE AURELIA18 S-V 2GR. ON/OFF + CAB.ELETT.	COMPLETE ASSEMBLY CUP WARMER AURELIA WAVE 2GR SEM-VOL VERSION ON-OFF WITH WIRING	
98080000000041	ASS. SCALDATAZZE AURELIA18 S-V 3GR. ON/OFF + CAB.ELETT.	COMPLETE ASSEMBLY CUP WARMER AURELIA WAVE 3GR SEM-VOL VERSION ON-OFF WITH WIRING	
98080000000043	ASS. SCALDATAZZE AURELIA18 DGT-T3 2GR. 1 TEMP.+ CAB.ELET	COMPLETE ASSEMBLY CUP WARMER AURELIA WAVE 2GR DGT-T3 VERSION SINGLE TEMP. WITH WIRING	
98080000000044	ASS. SCALDATAZZE AURELIA18 DGT-T3 3GR. 1 TEMP.+ CAB.ELET	COMPLETE ASSEMBLY CUP WARMER AURELIA WAVE 3GR DGT-T3 VERSION SINGLE TEMP. WITH WIRING	
98130000000009	ASSIEME VALVOLA SICUREZZA AURELIA II-AURELIA18	SAFETY VALVE ASSEMBLY FOR AURELIA II - AURELIA WAVE	
98160000000019	ASSIEME DISPLAY TFT AURELIA18 VOL + TASTI	COMPLETE ASSEMBLY TFT DISPLAY FOR AURELIA WAVE VOL VERSION	
98160000000020	ASSIEME DISPLAY TOUCH AURELIA 18 DIGIT-T3	COMPLETE ASSEMBLY TOUCH DISPLAY FOR AURELIA WAVE DIGIT-T3 VERSION	
98160000000029	ASSIEME SUPPORTO + CENTRALINA SERVIZI AURELIA18	COMPLETE ASSEMBLY OPTIONAL PCB BOARD AND SUPPORT FOR AURELIA WAVE	
9816000000002090	SENSORE PRESENZA PORTAFILTRO AURELIA18 COMPL. DI CONNETTORI	FILTER HOLDER SENSOR FOR AURELIA WAVE	
981700000000011	ASSIEME POMPANTE OT 100lit + RACCORDI	COMBINED VOLUMETRIC PUMP 100lit	
981700000000012	ASSIEME POMPANTE OT 200lit + RACCORDI	COMBINED VOLUMETRIC PUMP 200lit	
981700000000015	ASSIEME POMPANTE INOX 200lit + RACCORDI	COMBINED VOLUMETRIC PUMP 200lit STAINLESS STEEL VERSION	
981700000000033	ASSIEME SUPPORTO + MICROCOMPRESSORE TALENTO	MICROCOMPRESSOR TALENTO + SUPPORT ASSEMBLY	
9821000000000300	ASSIEME E.V. PREINFUSIONE PULSATA AURELIA18	COMPLETE PULSEJET VALVE ASSEMBLY FOR AURELIA WAVE	
9821000000000310	ASSIEME KIT CONTROLLO QUALITA' ACQUA AURELIA18	COMPLETE WATER QUALITY CONTROL FOR AURELIA WAVE	
98240014100012	RESISTENZA 5000W PR/3-4 GR.	HEATING ELEM. 5000W	
98240014100031	RESISTENZA 4500W 220/380 L350	HEATING ELEMENT 4500W	
980100000004000001	ASSIEME FIANCO DX COMPLETO AURELIA18 NERO CON LUCI	COMPLETE ASSEMBLY RIGHT LATERAL COVER AURELIA WAVE BLACK WITH LIGHTS	
980100000004000002	ASSIEME FIANCO DX COMPLETO AURELIA18 NERO	COMPLETE ASSEMBLY RIGHT LATERAL COVER AURELIA WAVE BLACK	
980100000004000003	ASSIEME FIANCO DX COMPLETO AURELIA18 BIANCO	COMPLETE ASSEMBLY RIGHT LATERAL COVER AURELIA WAVE WHITE	
980100000004000004	ASSIEME FIANCO DX COMPLETO AURELIA18 BIANCO CON LUCI	COMPLETE ASSEMBLY RIGHT LATERAL COVER AURELIA WAVE WHITE WITH LIGHTS	
980100000004000005	ASSIEME FIANCO DX COMPLETO AURELIA18 ROSSO CON LUCI	COMPLETE ASSEMBLY RIGHT LATERAL COVER AURELIA WAVE RED WITH LIGHTS	
980100000004000006	ASSIEME FIANCO DX COMPLETO AURELIA18 ROSSO	COMPLETE ASSEMBLY RIGHT LATERAL COVER AURELIA WAVE RED	
980100000004010001	ASSIEME FIANCO SX COMPLETO AURELIA18 NERO CON LUCI	COMPLETE ASSEMBLY LEFT LATERAL COVER AURELIA WAVE BLACK WITH LIGHTS	
980100000004010002	ASSIEME FIANCO SX COMPLETO AURELIA18 NERO	COMPLETE ASSEMBLY LEFT LATERAL COVER AURELIA WAVE BLACK	
980100000004010003	ASSIEME FIANCO SX COMPLETO AURELIA18 BIANCO	COMPLETE ASSEMBLY LEFT LATERAL COVER AURELIA WAVE WHITE	
980100000004010004	ASSIEME FIANCO SX COMPLETO AURELIA18 BIANCO CON LUCI	COMPLETE ASSEMBLY LEFT LATERAL COVER AURELIA WAVE WHITE WITH LIGHTS	
980100000004010005	ASSIEME FIANCO SX COMPLETO AURELIA18 ROSSO CON LUCI	COMPLETE ASSEMBLY LEFT LATERAL COVER AURELIA WAVE RED WITH LIGHTS	
980100000004010006	ASSIEME FIANCO SX COMPLETO AURELIA18 ROSSO	COMPLETE ASSEMBLY LEFT LATERAL COVER AURELIA WAVE RED	
9803000000020380000	ASSIEME CALDAIA CAFFE' AURELIA18 T3	COMPLETE ASSEMBLY COFFEE BOILER AURELIA WAVE T3 VERSION	
9803000000020520000	ASSIEME GRUPPO IDRAULICO 2 GR. AURELIA18	COMPLETE HYDRAULIC GROUP AURELIA WAVE 2GR	
9803000000020530000	ASSIEME GRUPPO IDRAULICO 3 GR. AURELIA18	COMPLETE HYDRAULIC GROUP AURELIA WAVE 3GR	
9804000000001900000	ASS. GRUPPO EROGAZ. AURELIA18 T3 "WBC"	COMPLETE POURING GROUP AURELIA WAVE T3 VERSION	
9804000000002050000	ASSIEME GR. EROGAZIONE AURELIA18	COMPLETE POURING GROUP AURELIA WAVE	
9806000000001900001	ASS. E.V. + TUBI VAPORE DX AURELIA18	COMPLETE ASSEMBLY RIGHT EASYCREAM VALVE FOR AURELIA WAVE	
9806000000001910001	ASS. E.V. + TUBI VAPORE SX AURELIA18	COMPLETE ASSEMBLY LEFT EASYCREAM VALVE FOR AURELIA WAVE	
9806000000001920000	ASS. SUPPORTO+ E.V. EASY CREAM AURELIA18 VOL	COMPLETE SUPPORT AND AIR VALVE EASYCREAM AURELIA WAVE VOL VERSION	
9806000000001930000	ASS. SUPPORTO+ E.V. EASY CREAM AURELIA18 DIGIT-T3	COMPLETE SUPPORT AND AIR VALVE EASYCREAM AURELIA WAVE DIGIT-T3 VERSION	
9807000000000660000	ASSIEME E.V. ACQUA CALDA+E.V. MISCELAT. AURELIA18	COMPLETE ASSEMBLY HOT WATER VALVE + MIXER AURELIA WAVE	
9807000000000680000	ASSIEME E.V. ACQUA CALDA+E.V. MISCELAT. AURELIA18+WTC	COMPLETE ASSEMBLY HOT WATER VALVE + MIXER AURELIA WAVE WITH WATER TEMP CONTROL	

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