<table>
<thead>
<tr>
<th>Edition</th>
<th>Date</th>
<th>Modifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>12/2015</td>
<td>First Edition</td>
</tr>
<tr>
<td>02</td>
<td>09/2016</td>
<td>Wiring diagram tank version updated</td>
</tr>
</tbody>
</table>
INDEX

1. MACHINE DESCRIPTION ........ 1.1
   1.1 DESCRIPTION ................... 1.2
   1.2 KEYBOARD DESCRIPTION
      (Standard configuration) ........... 1.3
   1.3 SAFETY REGULATIONS ........... 1.4
   1.4 MACHINE IDENTIFICATION ......... 1.7
   1.5 TRANSPORT ....................... 1.8
      1.5.1 HANDLING ..................... 1.8

2. FIRST INSTALLATION AND
   PRELIMINARY OPERATIONS ....... 2.1
   2.1 FIRST INSTALLATION ............. 2.2
      2.1.1 WEIGHT AND DIMENSIONS .... 2.2
      2.1.2 CONNECTION TO THE
         WATERLINE AND DRAINAGE
         SYSTEM ........................ 2.3
      2.1.3 TECHNICAL SPECIFICATIONS .. 2.4
      2.1.4 CONNECTION TO THE POWER
         LINE ................................ 2.4
      2.1.5 PROCEDURE OF FIRST
         INSTALLATION .................... 2.4
   2.2 ACCESSORIES BOX ................. 2.5
      2.2.1 FITTING THE FILTER HOLDER .... 2.5
   2.3 PROGRAMMING DOSES .............. 2.6

3. REMOVAL OF THE
   EXTERNAL SURFACE .......... 3.1
   3.1 REMOVAL OF WATER TANK .... 3.2
   3.2 REMOVAL OF THE CUP
      HOLDER SURFACE .................... 3.3
   3.3 REMOVAL OF THE SIDE PANELS ... 3.4
   3.4 REMOVAL OF THE REAR PANEL ... 3.4
   3.5 TANK TO COLLECT WATER FILED ... 3.4
   3.6 REMOVAL OF THE FRONT PANEL ... 3.5
      3.6.1 REMOVAL OF KEYBOARD .... 3.6

4. INFUSION UNIT ............... 4.1
   4.1 REMOVAL OF SHOWER
      AND SEAL .......................... 4.2
   4.2 COFFEE VALVE .................... 4.3
   4.3 EXPANSION VALVE ................. 4.5

5. HEATER ......................... 5.1
   5.1 EMPTYING THE HEATER .......... 5.2
   5.2 REMOVAL OF THE HEATER ........ 5.4
   5.3 HEATING ELEMENT AND
      HEAT PROTECTION .................. 5.5
   5.4 REPLACEMENT OF THE
      LEVEL GAUGE ...................... 5.6
   5.5 ANTIVACUUM VALVE .............. 5.7
   5.6 SAFETY VALVE .................... 5.8

6. HYDRAULIC CIRCUIT ........... 6.1
   6.1 PUMP DISASSEMBLY .............. 6.2
   6.2 REPLACING THE COFFEE VALVE ... 6.4
   6.3 STEAM NOZZLE ................... 6.6
   6.4 WATER TANK ..................... 6.11
      6.4.1 REPLACEMENT OF
         THE FLOAT ....................... 6.11
      6.4.2 REMOVAL OF THE
         MAGNETIC SENSOR .............. 6.12
   6.5 REMOVAL OF THE PRESSURE
      SWITCH ......................... 6.12

7. ELECTRIC COMPONENTS ......... 7.1
   7.1 CONTROL UNIT .................. 7.2

8. TROUBLESHOOTING ............. 8.1
   8.1 WATER LACK LIGHT .............. 8.2
   8.2 HEATING ELEMENT LIGHT ....... 8.3
   8.4 COFFEE DELIVERY ............... 8.4
   8.5 STEAM DELIVERY ............... 8.4
   8.6 HEATER ......................... 8.5

9. DIAGRAMS ...................... 9.1
   9.1 HYDRAULIC DIAGRAM
      TANK VERSION .................... 9.2
   9.2 HYDRAULIC DIAGRAM
      DIRECT CONNECTION VERSION .... 9.3
   9.3 WIRING DIAGRAM TANK VERSION .. 9.4
   9.4 WIRING DIAGRAM DIRECT
      CONNECTION VERSION ............ 9.5

10. MAINTENANCE CHECKING ....... 10.1
    10.1 DAILY MAINTENANCE .......... 10.2
    10.2 WEEKLY MAINTENANCE ........ 10.2
    10.3 YEARLY MAINTENANCE ....... 10.3
    10.4 BIENNIAL MAINTENANCE ...... 10.4

11. SPARE PART CATALOGUE ....... 11.1
    11.1 CABINET PARTS .............. 11.2
    11.2 COMPLETE POURING UNIT .... 11.3
    11.3 TANK - FRAME COMPONENTS ... 11.4
    11.4 STOVE FILED COLLECT WATER ... 11.5
    11.5 BOILER COMPONENTS ......... 11.6
    11.6 ELECTRICAL COMPONENTS .... 11.7
1. MACHINE DESCRIPTION

INDEX

1. MACHINE DESCRIPTION ........ 1.1
   1.1 DESCRIPTION .................. 1.2
   1.2 KEYBOARD DESCRIPTION
      (Standard configuration) ........ 1.3
   1.3 SAFETY REGULATIONS .......... 1.4
   1.4 MACHINE IDENTIFICATION ...... 1.7
   1.5 TRANSPORT ..................... 1.8
      1.5.1 HANDLING ................... 1.8
LEGEND

1. Steam lever
2. Cup warming grill
3. Water reservoir
4. Water reservoir hatch
5. Main switch
6. Dispensing unit
7. Water drain tank
8. Cup support grill
9. Filter holder
10. Steam wand
11. Steam wand insulating rubber
12. Control panel
1.2 CONTROL PANEL DESCRIPTION (Configuration standard)

**LEGEND**

1. Water level warning light
2. Heating resistance on warning light
3. Two coffee dispensing button / programming entry
4. One coffee dispensing button / Standby
1.3 SAFETY INDICATIONS

The present manual is an integral and essential part of the product and is to be delivered to the user. Carefully read all warnings in the manual as they provide important information required to install, use and maintain the unit safely. Keep this manual in a safe place for further consultation.

After having removed the packaging, make certain that the unit is not damaged in any way.

If you have any doubts, do not use the unit and contact a professionally qualified person. Always keep all packaging (plastic bags, polystyrene foam, nails, etc.) out of the reach of children as they are a potential source of danger and never loiter the environment with such materials.

The machine is 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 backflow 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 qualified electrician must also check that the section of the installation's cables is large enough for the absorbed power of the appliance. Never use adapters, multiple jacks or extension cords. When such items prove absolutely necessary, call in a qualified electrician.

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 installer must Make the hydraulic connections respecting the rules of hygiene and water safety to environmental protection in force in the place of installation. So for the hydraulic plant contact an authorized technician. Always utilise the new hose supplied for connection to the water supply. Old hoses must not be utilised.

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 unit must only be used for the purposes described in the present manual. The manufacturer cannot be held responsible for any damages caused by improper, mistaken and unreasonable use.

The manufacturer cannot be held responsible for any damages incurred if the system is not grounded.

For electrical safety, this machine requires a ground system. Contact a technically certified electrician who must check that the line electrical capacity is adequate for the maximum capacity indicated on the unit label.

The warranty expires if the characteristics of the power supply do not correspond to the nameplate data.

The manufacturer cannot be held responsible for any damages incurred if the system is not grounded.

For electrical safety, this machine requires a ground system. Contact a technically certified electrician who must check that the line electrical capacity is adequate for the maximum capacity indicated on the unit label.
The appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. Children must not play with the appliance. Cleaning and maintenance must not be carried out by children unless supervised.

This appliance is for professional use only.

The operating temperature must be within the range of \([+5, +35]^{\circ}\mathrm{C}\).

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);
- Open the steam outlet for 1 minute.

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

**CAUTION**

Before using the machine, read this manual in its entirety or, at the very least, read the safety and set up instructions.

There are some basic rules for the use of any electrical appliance. In particular:

- Never touch the unit with wet hands or feet;
- Never use the unit with bare feet;
- Never use extension cords in areas equipped with baths or showers;
- Never pull on the power supply cord to unplug the unit;
- Never leave the unit exposed to atmospheric agents (rain, direct sunlight, etc.);
- Never let children, unauthorized personnel or anyone who has not read this manual operate the unit.

Before performing any sort of maintenance, the authorized technician must turn off the unit and unplug it from the mains.

Before cleaning the unit set it in a state of "0" energy: that is, "MACHINE SWITCHED OFF AND UNPLUGGED". Follow the instructions given in this manual carefully.

Refer to chapters 6 and 7 for periodical cleaning and maintenance. The authorized technician must, before carrying out any maintenance, disconnect the plug after the switch off of the machine.

In case of breakdown or poor function, turn off the unit. Never tamper with the unit. Contact only professionally qualified personnel.

Only the manufacturer or an authorized service center can make repairs and only using original spare parts. Non compliance with the above can compromise machine safety.

On installation, the qualified electrician must fit a circuit breaker switch as foreseen by the safety norms in force that has a contact open distance that permits the complete disconnection under conditions of overload category III.
To prevent dangerous overheating, it is advisable to fully extend the power supply cord.

Never block the intake and/or heat dissipation grills, in particular those for the cup warmer.

The user must never replace the unit's power supply cord. If this cord is damaged, turn off the unit and have it replaced by a professionally qualified technician.

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.

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.

Do not throw the machine in nature for the Elimination contact an authorized center or contact the manufacturer who will provide you the necessary information about it. Never dispose of the machine in the environment: to dispose of the machine, contact an authorized center or contact the manufacturer for pertinent indications.

Never dispose of the machine in the environment: to dispose of the machine, contact an authorized center or contact the manufacturer for pertinent indications.

To facilitate aeration of the unit, position the aeration portion of the machine 15 cm from walls or other machinery.

Be extremely careful when using the steam nozzle. Never place your hands under the nozzle and never touch it right after use.

Remember that to install, maintain, unload and regulate the unit, the qualified operator must always wear work gloves and safety shoes.

When adding the coffee, the operator must never put his hands into the container.

The noise level of the machine is less than 70db.
1.4 MACHINE IDENTIFICATION

Always quote the machine serial number in all communications to the manufacturer, Nuova Simonelli.

FIG. 11

<table>
<thead>
<tr>
<th>Model</th>
<th>Version</th>
<th>Groups number</th>
<th>Serial number</th>
<th>QR code</th>
<th>Power supply</th>
<th>Frequency</th>
<th>Optionals</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSCAR II</td>
<td></td>
<td></td>
<td>S.N. SERIALE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>220 - 240 V ~</td>
<td>50 Hz</td>
<td>Operating Pressure 0,166 MPa MAX Inlet Pressure 0,65 MPa</td>
<td>Date 01/01/0001</td>
<td>P= 1200 W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FIG. 12

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

By downloading and installing one of the apps to read such 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.

CAUTION

INFORMATION TO THE USERS

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 electro-technical 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).
1.5 TRANSPORT

The machine is transported on pallets which also contain other machines - all boxed and secured to the pallet with supports.

Before carrying out any transport or handling operation, the operator must:
- put on work gloves and protective footwear, as well as a set of overalls which must be elasticated at the wrists and ankles.
- The pallet must be transported using a suitable means for lifting (e.g., forklift).

1.5.1 HANDLING

**WARNING COLLISION OR CRUSHING HAZARD**

During the entire handling operation, the operator must make sure no one or nothing is inside the operating area.
- Slowly lift the pallet to about 30 cm from the ground and move to the loading area. After making sure there are no obstacles, persons or things, proceed with loading.
- Once at destination, always using an adequate lifting mechanism (e.g. fork-lift), after making sure there is no one or nothing within the unloading area, lower the pallet to about 30 cm from the ground and transport it to the storage area.

**WARNING COLLISION OR CRUSHING HAZARD**

Before performing the following operation, make sure the load is in place and is not likely to fall when the straps are cut.
- The operator, wearing safety gloves and footwear, must now cut the straps and store the product. To perform this operation, check the technical characteristics of the product to determine the weight of the machine to be stored and take consequent precautions.
2. FIRST INSTALLATION AND PRELIMINARY OPERATIONS

INDEX

2. FIRST INSTALLATION AND PRELIMINARY OPERATIONS ....... 2.1
  2.1 FIRST INSTALLATION .................. 2.2
    2.1.1 WEIGHT AND DIMENSIONS .... 2.2
    2.1.2 CONNECTION TO THE WATERLINE AND DRAINAGE SYSTEM ... 2.3
    2.1.3 TECHNICAL SPECIFICATIONS .. 2.4
    2.1.4 CONNECTION TO THE POWER LINE ................. 2.4
    2.1.5 PROCEDURE OF FIRST INSTALLATION ........ 2.4
  2.2 ACCESSORIES BOX ..................... 2.5
    2.2.1 FITTING THE FILTER HOLDER .. 2.5
  2.3 PROGRAMMING DOSES ................. 2.6
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.

2.1 FIRST INSTALLATION

2.1.1 WEIGHT AND DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>NET WEIGHT</th>
<th>14 kg</th>
<th>31 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROSS WEIGHT</td>
<td>17 kg</td>
<td>37 lb</td>
<td></td>
</tr>
<tr>
<td>POWER</td>
<td>1200 W</td>
<td>1200 W</td>
<td></td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>300 mm</td>
<td>12”</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>408 mm</td>
<td>16”</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>400 mm</td>
<td>15,8”</td>
<td></td>
</tr>
</tbody>
</table>

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.
2.1.2 CONNECTION TO THE WATERLINE AND DRAINAGE SYSTEM

The machine requires stringent specifications to prevent the formation of limescale and to ensure quality beverages. The main features required to achieve high standards of performance are the following:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total hardness</td>
<td>50 - 60 ppm</td>
</tr>
<tr>
<td>Waterline pressure</td>
<td>2-4 bar, cold water</td>
</tr>
<tr>
<td>Minimum flow</td>
<td>200 l/hr</td>
</tr>
<tr>
<td>Filtration</td>
<td>Less than 1.0 micron</td>
</tr>
<tr>
<td>Alkalinity</td>
<td>10-150 ppm</td>
</tr>
<tr>
<td>Total dissolved salts (TDS)</td>
<td>50 - 100 mg/L</td>
</tr>
<tr>
<td>Chloride</td>
<td>&lt; 0.5 mg/L</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 - 8.5</td>
</tr>
</tbody>
</table>

It is the task of a qualified technician to:
1. Adapt the water from the waterline to the specifications required using filters and water softeners;
2. Train the final user so that the equipment for water treatment is constantly kept perfectly operational.

The version with direct coupling is provided with a loading tube 1.5 meters long with a 3/4 inch. On one side is the fitting is straight and tapered, the other angled at 90° with a gasket. The tube is provided with tapered fittings therefore it is not necessary to use Teflon tape on the fitting.

To connect the machine to the waterline, proceed as follows:
1. Remove the pipe from the upper door “A” and connect one of its ends to fitting “B” situated on machine base.
2. Connect the other end of the pipe to the waterline using a 3/8 fitting.

**NOTE**

Dirty water drainage is carried out through the drip tray both for version with connection to the waterline and with tank.

---

**WARNING**

If the water features do not comply, the warranty will automatically expire.
2.1.3 TECHNICAL SPECIFICATIONS

The machine is available in the following versions:
- single-phase 120 V 60 Hz (tank and waterline)
- single-phase 230 V 50 Hz (tank and waterline)
- single-phase 230 V 60 Hz (waterline)

The relative power absorbed is indicated on the machine plate.

2.1.4 CONNECTION TO THE POWER LINE

Before utilising the machine, the operator must have read and fully understood the safety instructions in this manual.

Connect the machine to the power socket.

The machine carries out the following checks.

2.1.5 PROCEDURE OF FIRST INSTALLATION

Before carrying out the installation carefully read the safety instructions at the beginning of this manual and particularly about how to put THE MACHINE INTO ZERO ENERGY STATUS.

1. Once the machine has been removed from the packaging, position it on a horizontal surface and proceed with the installation as illustrated in the following paragraphs.

Arrange the accessories as follows:
2. Insert the ring in its seat inside the filter holder.
3. Insert one of the two filters.

Tank Model:
5. Open the hatch and take out the reservoir. Especially the first time, wash the reservoir with soap and water. Fill the reservoir with water and make certain that the outside of the reservoir is dry.
6. Return the reservoir to its housing and close the hatch.
7. Make certain that the water drain tank has been inserted.

If the machine does not have enough water in the tank or the pump stays on for more than 90 seconds, the machine will stop and all the buttons flash. Getting on and off the machine: operation of the filling boiler will run until the appropriate level.

DANGER OF POLLUTION

NOTE
2.2 ACCESSORIES BOX

Machine is supplied with an accessories box consisting of:
1 Single filter
2 Double filter
3 Spring
4 Filter holder
5 Dispensing nozzle
6 Coffee doser

2.2.1 FITTING THE FILTER HOLDER

To properly mount the filter holder:

1 Insert the spring inside the pay slot inside the filter holder.
2 After selecting the appropriate filter (1 or 2), insert the filter in the filter holder until you hear the snap with spring.
3 Screw the dispensing spout up to place it perpendicular to the handle.

NOTE

To change the filter inserted, pry up the edge with one of the other filters.
2.3 PROGRAMMING DOSES

Carry out the following operations to enter into programming mode:

⚠️ NOTE

Operation to be carried out with the machine switched on.

To enter into programming mode, press the two coffee dispensing button for 5 seconds. The dispensing buttons start to flash.

⚠️ NOTE

After 30 seconds of inactivity (no buttons pressed) in programming mode, the machine returns to normal mode and no data is memorised.

PROGRAMMING COFFEE DOSES

To programme the dose of water relative to one of the dispensing buttons, proceed as follows:

Fill the filter holder with the correct dose of coffee (the filter holder can be single or double depending on the button to be programmed).

Place the filter holder into the unit.

Press one of the dispensing buttons.

Dispensing starts; once the desired quantity has been reached press the same button again.

To exit from the programming mode and memorise the desired doses, keep the button pressed for at least 5 seconds; the buttons stop flashing.
3. REMOVAL OF THE EXTERNAL SURFACE

INDEX

3. REMOVAL OF THE EXTERNAL SURFACE ....... 3.1
  3.1 REMOVAL OF WATER TANK ......... 3.2
  3.2 REMOVAL OF THE CUP HOLDER SURFACE .......... 3.3
  3.3 REMOVAL OF THE SIDE PANELS .. 3.4
  3.4 REMOVAL OF THE REAR PANEL ... 3.4
  3.5 TANK TO COLLECT WATER FILED .. 3.4
  3.6 REMOVAL OF THE FRONT PANEL . 3.5
    3.6.1 REMOVAL OF KEYBOARD .... 3.6

TOOLS NEEDED:
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.

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 heater.

3.1 REMOVAL OF WATER TANK

To remove machine covers, take out the water tank first:

This operation is necessary only for the version with tank.

To remove the tank from its seat, proceed as follows:

1 Lift the water tank cap.
2 Pull the water tank upward.

3.2 REMOVAL OF THE CUP HOLDER SURFACE

To remove the bearing surface of the cup, proceed as follows:

1 Unscrew the screws "A" with a screwdriver.

2 Lift the panel and pull upwards.
3.3 REMOVAL OF THE SIDE PANELS

**NOTE**
To remove the side panels, it is necessary to remove the cup holding surface first.

1. Unscrew the "A" present on each panel using a Phillips screwdriver.

2. Move outside the top of the panel and pull up.

**NOTE**
Perform the same steps for the other side panel.

3.4 REMOVAL OF THE REAR PANEL

**NOTE**
To remove the back panel it is necessary to remove both side panels first.

Proceed as follows:
1. Move outside the top of the panel and pull up.

3.5 TANK TO COLLECT WATER FILED

**NOTE**
To remove the tray with water you need:

1. Lift and remove the tray with water.
3.6 REMOVAL OF THE FRONT PANEL

NOTE

To remove the front panel, you must remove the top panels and water from the drain pan.

1 Disconnect the connection to the panel.

2 Unscrew the screws “A” with a Phillips screwdriver.

3 Slight outside the steam nozzle, then slide the front panel to the front of the machine.
3.6.1 REMOVAL OF KEYBOARD

**NOTE**
Separate the cover unit from the front panel.

1. Loosen the 4 screws “A” situated on the back of the front panel using a Phillips screwdriver.

2. Push in the connector located inside of the support group to detach the panel.
4. INFUSION UNIT

INDEX

4. INFUSION UNIT ................. 4.1
  4.1 REMOVAL OF SHOWER AND SEAL ............... 4.2
  4.2 COFFEE VALVE ................... 4.3
  4.3 EXPANSION VALVE ................. 4.5

TOOLS NEEDED:

- 3 MM
- 12 MM
- 13 MM
- 24 MM
- 14 MM
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, replace the seal periodically, at least once a year or according to machine operation, as it tends to deform, loosening elasticity and sealing.

4.1 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.
4.2 COFFEE VALVE

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

By closing the decompression removes any excess water from the filter holder.

TYPICAL PROBLEMS
Check the operation of the valve, if the unit continues to drip continuously or if the coffee capsule is too wet.

Possible causes:
1. First check if the frame is too thin.
2. The third passage of the valve is obstructed, therefore the final suction is less than it should be.
3. Shower and pavilion are blocked because of poor machine cleaning.

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 heater.

HOW TO REPLACE THE COFFEE VALVE:
To remove the coffee valve proceed as follows:
1. Remove the right, side panel and the front one, as explained in Chapter 3.
2. Disconnect power connections.
3. Disconnect the Teflon tube by removing the cable holder “A” using the pliers.
4. Remove the washer and the locking nut “B” using a 14 mm wrench. Remove the coil.

5. Loosen the coil support “C” with a 24 mm wrench.

6. Use a 3 mm Allen key to remove the two screws that fix the head to the unit.

Remove lime scale or oily residues that may block the free circulation of water.

**NOTE**

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

To remove the expansion valve, proceed as follows:

1. Remove the front panel.
2. Disconnect the Teflon tube by removing the cable holder “A” using the pliers.
3. Loosen the valve with a 14 mm wrench.
4. Apply Teflon tape on the new valve before screwing it.
INDEX

5. HEATER ................................. 5.1
  5.1 EMPTYING THE HEATER .......... 5.2
  5.2 REMOVAL OF THE HEATER ....... 5.4
  5.3 HEATING ELEMENT AND
     HEAT PROTECTION ............ 5.5
  5.4 REPLACEMENT OF THE
     LEVEL GAUGE .................. 5.6
  5.5 ANTIVACUUM VALVE ............ 5.7
  5.6 SAFETY VALVE  .................. 5.8

TOOLS NEEDED:
5.1 EMPTYING THE HEATER

**WARNING**

Every time you work directly. With the heater it is important to ensure that the internal pressure is zero. Completely remove the water inside for operations that require it.

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 temperature quickly.

2. Remove covers:
   - Side panels;
   - Rear panel;
   - Front panel.

3. Place the machine on the right side to prevent water leakage and loosen the drain nut “A” using a 13 mm wrench.
4 Connect the drain pipe and tilt the machine on the left side to let the water out of the heater.

5 After drainage of water from the heater, tighten the drain nut “A” using a 13 mm wrench.
5.2 REMOVAL OF THE HEATER

In case of need, to remove the heater, it is necessary to discharge pressure.

Then, proceed as follows:

1. Remove machine covers:
   - Rear panel;
   - Side panels;
   - Front panel.

2. Empty water heater, as in the previous section.

3. Disconnect the level probe.

4. Disconnect the pressure gauge capillary.

5. Remove the fittings on the upper part of the heater with a 17 mm wrench:
   - A Steam Nozzle;
   - B Coffee delivery group;
   - C Hot Water Nozzle.

6. Remove the remaining fittings that hold the heater in place.

7. Remove the fittings on the left side:
   - A using a 12 mm wrench.

The heater can be extracted from the machine. During the assembly phase of the new boiler, pay close attention to the restoration of the connections to ensure proper operation.
5.3 HEATING ELEMENT AND HEAT PROTECTION

To access the heating element, remove the right panel of the cover.
The visible parts are:
   A  167° heat protection.
   B  Electrical connections of heating element.

OSCAR II heater features a 1200 W heating element.

To remove the heating element, proceed as follows:
1  Empty the heater as described above.
2  Loose the nut “A” using a 30 mm wrench.

3  Remove with care the panel out of its slot.

NOTE

Each time you replace the heating element, it is also necessary to change the O-ring “B”, which insulates it from the heater, as it is a part subject to wear. This component must be ordered along with the heating element.
5.4 REPLACEMENT OF THE LEVEL GAUGE

Water inside the heater is kept at a constant level through the use of a level probe. This probe is connected to the electronic unit, which continuously checks water level. 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 the Teflon coating of the probe is not damaged. In case of damage, steam leaks occur and it is necessary to replace the probe.

To remove the probe, simply disconnect the red wire “A” and unscrew the locking bolt “B” with a 16 mm wrench.

![Fig. 60](image1.png)

![Fig. 61](image2.png)

![Fig. 62](image3.png)

**NOTE**

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

The antivacuum 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 antivacuum valve when water coming out from heater is dirty.

The bad smell is generated from milk that has been sucked into the heater. In these cases the valve is closed and is locked in this condition.

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

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

**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 heater safety valve “A” of heater serves to discharge excess pressure that may form owing to malfunctioning. The valve opens automatically when inner pressure of heater exceeds 2.1 bar.

WHEN TO REPLACE
For safety reasons each time the valve comes into operation it should be replaced to ensure perfect operation. Therefore, in case of heater flooding or excess of steam, secure the machine by replacing the entire valve.

HOW TO REPLACE
Remove the safety valve “A” by unscrewing it with a 14 mm hex wrench.
6. HYDRAULIC CIRCUIT

INDEX

6. HYDRAULIC CIRCUIT .............. 6.1
   6.1 PUMP DISASSEMBLY ............. 6.2
   6.2 REPLACING THE COFFEE VALVE ... 6.4
   6.3 STEAM NOZZLE .................. 6.6
   6.4 WATER TANK ..................... 6.11
      6.4.1 REPLACEMENT OF
         THE FLOAT .................... 6.11
      6.4.2 REMOVAL OF THE
         MAGNETIC SENSOR ............ 6.12
   6.5 REMOVAL OF THE PRESSURE
      SWITCH ......................... 6.12

TOOLS NEEDED:
WARNING

Before carrying out the disassembly procedure of the hydraulic circuit, close water inlet sources inside the waterline:

- **Waterline version**: close the water inlet tap and disconnect the pipe.
- **Tank version**: remove the tank from its seat.

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

6.1 PUMP DISASSEMBLY

The pump is situated on machine bottom. The duration depends on the amount of daily work and the quality of water.

WHEN TO REPLACE THE PUMP

1. During delivery, no water comes out of the unit.
2. In case the machine remains inactive for too long, the pump does not delivers owing to oxidation of fittings.
3. Continuous overheating even in the presence of water.

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

1. Remove the side and rear panels.
2. Release the pump from its seat by loosening the screws “A” of the bottom panel with a Phillips screwdriver.
3 Disconnect the electrical connections of the pump using the tweezers:
   A: temperature probe.
   B: power supply.

4 Disconnect the hydraulic connections of the pump:
   - From the flowmeter, disconnect the Teflon pipe “C”.
   - From the pump to the heater, unscrew the fitting “D” using a 13 mm spanner.

5 Take the pump out of the machine.

**NOTE**
Check the water inlet filter situated in the heater connection and replace it, if necessary.

**NOTE**
When replacing the pump, replace the O-ring code No. 02280007.V, too (see tables at the end of the manual).
6.2 REPLACING THE COFFEE VALVE

The coffee valve “A” is situated underneath the upper panel, on the left side, and regulates the amount of water flowing inside the heater during all phases of machine operation.

WHEN TO INTERVENE
1. The system detects the absence of water and the pump is set off but the pump sounds like it’s straining badly: the valve is stuck.
2. There is a general short circuit: the coil may be short-circuited due to micro leaks or electrical shock.
3. The heater flooded: the impurities have prevented the valve from closing properly.

HOW TO REPLACE THE COFFEE VALVE
To remove the coffee valve, it is necessary to:
1. Disconnect power connections using tweezers “B”.
2. Using a 14 mm wrench, remove the bolt “C” that holds the coil in place and ease it out of its housing. Under optimal conditions, the removal is immediate but if parts are blocked, force removal as much as possible.
3 Using a 24 mm wrench, remove the fixed part “C”.

4 Disconnect the hydraulic connections “D” by using a 12 mm wrench.

5 Loose the locking screws “E” to release the valve from the machine frame.

6 Make sure the plunger is clean and there are no obstructions. Replace the valve if it is not working.
6.3 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. Every year it is advisable to replace the nut to prevent the gasket that insulates the steam from drying and letting seam pass. 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.
If there is a loss of steam 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 left side panel and the front one.

3. Loose the steam nozzle by means of the nut “A” using a 22 mm wrench, by levering the nozzle locking nut with a 23 mm wrench, as shown on the figure.

4. Loose the steam pipe fitting of the nozzle by means of a 20 mm wrench, by levering the locking nut with a 23 mm wrench, as shown on the figure.

5. Unscrew the locking nut of the steam nozzle with a 23 mm wrench, by levering the steam valve block with a 22 mm wrench.
DISASSEMBLY OF THE STEAM LEVER
1 Remove screw “A” with an Allen key 3 mm.

2 Remove the clip “B” using pliers.

3 Pull the lever pin “C” to release the steam lever “D”.

4 To remove the dispensing nozzle it is sufficient to unscrew the lower part of the nozzle by hand. We recommend annual replacement O-ring seals.

MAINTENANCE OF STEAM NOZZLE
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 "A" with a 21 mm wrench to reach the spring. We recommend replacing the seal at least once a year.

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

The steam nozzle, in its simplicity, has components that must be replaced due to wear. It is recommended to replace:
- The piston seals (code No. 02280014) to avoid misalignment.
- The seals of the lever block (02280011) and the connection to the heater.
- The piston of inner closure (98008004).

RE-ASSEMBLY OF THE STEAM NOZZLE
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.
When fixing the screw that holds the lever on the stream nozzle it is necessary to:

1. Lightly press the lever upwards to let steam come out.
2. Release the lever until the steam supply stops.
3. Tighten the lever locking screw on the steam nozzle.

In this way, there is a precise calibration of the steam nozzle.

WARNING

Operation to be performed when the machine is on.
6.4 WATER TANK
To access the water tank, remove the rear panel.

NOTE
In case of a prolonged inactivity of the machine, the tank valve may be blocked owing to limescale.

To release the tank valve, use a screwdriver to allow water discharge.

Check the valve for the presence of limescale and the conditions of seal “A”. Replace the faulty parts, if necessary.

6.4.1 REPLACEMENT OF THE FLOAT

1 Take out the water tank and remove the rear panel.

2 Manually remove the tank float.

NOTE
During the assembly phase of the new float, make sure the “+” mark on the float itself is oriented towards the tank bottom.
6.5 REMOVAL OF THE PRESSURE SWITCH

The pressure switch cuts off the circuit powering the heating element. Therefore, it will read a voltage as the one of mains when heater pressure is enough, while will read 0V when the heating element is warming up.

It is advisable to replace the pressure (pressure) every two years in order to avoid failure.

You need to replace when:
1. Car does not heat (light resistance still is, but the machine is cold and the heater works). The pressure is locked in the OFF state.
2. The production of the steam engine of water from the inside, because of the overheating and the open safety valve. Pressure switch is locked in the ON state.

To remove the pressure switch “A”, it is necessary to:
1. Remove the right, side panel.
2. Disconnect the electrical connections.
3. Unscrew the fitting “B” with a 17 mm wrench.

6.4.2 REMOVAL OF THE MAGNETIC SENSOR

This sensor serves to detect the presence of water inside the tank. In case of breakdown or malfunctioning, it can be replaced.

1. Remove the side and rear panels.
2. Move the sensor down, pay attention to the electrical connections.
3. Disconnect the sensor unit and replace.
7. ELECTRIC COMPONENTS

INDEX

7. ELECTRIC COMPONENTS ........ 7.1
   7.1 CONTROL UNIT ............... 7.2

TOOLS NEEDED:
7.1 CONTROL UNIT

To access the main board it is necessary to:

1. Remove the right side panel.
2. Disconnect the electrical connections using the pliers.
3. Loosen the board locking screws “A” on the support using a Phillips screwdriver.

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

1. Tank level
2. Keyboard
3. Heating element
4. The boiler
5. Heating element
6. Neutral
7. Phase
8. Valve group
9. Pump
10. Water level
8. TROUBLESHOOTING

INDEX

8. TROUBLESHOOTING ............... 8.1
8.1 WATER LACK LIGHT .............. 8.2
8.2 HEATING ELEMENT LIGHT ........ 8.3
8.4 COFFEE DELIVERY ............... 8.4
8.5 STEAM DELIVERY ............... 8.4
8.6 HEATER ........................ 8.5
8.1 WATER LACK LIGHT

- Check the magnetic sensor. Replace, if necessary.

- Lack of water in the tank.

- Fill the tank with drinkable water.

- Water in the tank.

- Water lack light on.

- Float in the tank out of place or faulty.

- Check float positioning. Symbol “+” must be oriented downward. Replace, if necessary.

- Check connections and the electronic board. Replace, if necessary.
8.2 HEATING ELEMENT LIGHT

- **Temperature light in operating mode off (after 30 min.).**
- **Heat protection on (operating temperature considerably exceeded).** Check the thermal protection and replace it, if necessary.
- Check the conditions of the pressure switch and when locked in the open state, and replace if necessary.
- Check the heating element conditions. Replace, if necessary.
- Check connections and the electronic board. Replace, if necessary.
- The machine emits vapour from inside the machine regularly.
- Check the status of the pressure switch make sure it is locked by measuring a voltage across it at all times equal to 0V.
- Replace the pressure switch and the safety valve.
- Turn the machine off and let it cool. Check again if the offense occurs again. Recheck pressure switch and relay resistance of the unit.
- If necessary, replace the control unit.
8.3 REMOVAL OF KEYBOARD

When pressing the keys, nothing happens.

Check connections and the electronic board. Replace, if necessary.

Check the keyboard and, if necessary, replace it.

Alarm enabled:
- Lack of water; the corresponding light is on.
- Machine not ready; operating temperature not reached; the corresponding light is off.

The pump is operating but there is not water in the tank.

Check the presence of air between the tank and the pump. Remove any limestone residue. Replace, if necessary.

Check for any problems due to keyboard.

8.4 COFFEE DELIVERY

The machine does not deliver coffee.

Check for any problems due to heater.

Check the shower and, if necessary, replace it.

Check the presence of limestone in the Gigler, in the upper part of the group.

8.5 STEAM DELIVERY

When pressing the steam lever, the machine does not deliver.

Check the condition of the steam nozzle. Eliminate any residues of limestone or milk. Unscrew spout and if necessary, replace the nozzle.

Check for any problem arising from heater warming up.
8.6 HEATER

With the water tank full, there is no water in the heater.

Check the coffee valve. Replace, if necessary.

Check the tank valve. Remove any limestone residue. Replace, if necessary.

Check the pump and, if necessary, replace it.

Check the valve and the level probe. Replace, if necessary.

When reaching the operating temperature.

The boiler emits more noise than necessary.

Check the status of the expansion valve. If necessary, replace.

Check the condition of the safety valve. If necessary, replace.

Heat protection on (operating temperature considerably exceeded). Check the thermal protection and replace it, if necessary.

Operating temperature not reached by the heater.

Check the heating element conditions. Replace, if necessary.

Check connections and the electronic board. Replace, if necessary.

Odour from the heater.

Check the anti-vacuum valve and, if necessary, replace it.

If need be, carry out a complete washing of the heater with citric acid.
INDEX

9. DIAGRAMS ........................ 9.1
  9.1 HYDRAULIC DIAGRAM
      TANK VERSION .................... 9.2
  9.2 HYDRAULIC DIAGRAM
      DIRECT CONNECTION VERSION ... 9.3
  9.3 WIRING DIAGRAM TANK VERSION. 9.4
  9.4 WIRING DIAGRAM DIRECT
      CONNECTION VERSION. ............ 9.5
9.1 HYDRAULIC DIAGRAM TANK VERSION

1. Pump
2. Calibrated orifice
3. 1-way valve
4. Pressure switch
5. Steam valve
6. Safety valve
7. Anti-vacuum valve
8. Boiler
9. Water level valve
10. Maximum pressure valve
11. Delivery valve
9.2 HYDRAULIC DIAGRAM DIRECT CONNECTION VERSION

1. Water supply valve
2. Pump
3. Calibrated orifice
4. 1-way valve
5. Pressure switch
6. Steam valve
7. Safety valve
8. Anti-vacuum valve
9. Boiler
circuit coffee
10. Maximum pressure valve
11. Water level valve
12. Delivery valve
9.3 WIRING DIAGRAM TANK VERSION

LP TANK SENSOR
LS MAIN BOARD
PS PRESSURE SWITCH
ER ELECTRICAL RESISTANCE
TF THERMAL FUSE
LE WATER LEVEL VALVE
GR GROUP VALVE
10. MAINTENANCE CHECKING

INDEX

10. MAINTENANCE CHECKING . . . . . 10.1
  10.1 DAILY MAINTENANCE . . . . . . 10.2
  10.2 WEEKLY MAINTENANCE . . . . . . 10.2
  10.3 YEARLY MAINTENANCE . . . . . 10.3
  10.4 BIENNIAL MAINTENANCE . . . . 10.4

Ed. 02 of 09/2016
10.1 DAILY MAINTENANCE

Time required 5 min:
- Clean the machine;
- Clean the unit with the blind filter and specific detergent (Pulycaff);
- Empty the water collection tray.

10.2 WEEKLY MAINTENANCE

Time required 10 min:
- Clean the machine;
- Clean the unit with the blind filter and specific detergent (Pulycaff);
- Empty the water collection tray;
- Remove the filter from its holder and thoroughly clean it;
- Immerse the filter holder into hot water with specific detergent (Pulycaff) and thoroughly clean all parts;
- Verify suitability of water used (total hardness F°< 6).
10.3 YEARLY MAINTENANCE

Time required 45 - 60 min:

The skilled technician should take all the necessary precautions concerning safety measures to insulate the machine from the mains and to avoid pressure in the heater, waterline closure or tank removal so as to prevent inconveniences or damages. Before proceeding, remove all machine covers and check for any damage or leakage.

Before proceeding, remove all perimeter coverings and make sure there are no damages or leakages.

- Check for any sign of leakage;
- Check all wirings;
- Check pump noise;
- Check for any drip from the unit and the steam nozzle;
- Check non-return valve;
- Check self-level function;
- Check heater pressure (______Bar);
- Check the presence of limescale in the tank;
- Check electrovalve for leakages;
- Check heater for leakages;
- Replace the group gasket (02280020.C);
- Replace shower screen (03000066);
- Insert or replace, if necessary, shims under the seal (02060014).

NOTES

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

Necessary spare parts:

02280020.C
03000066
02060014
10.4 BIENNIAL MAINTENANCE

Time required 60 - 90 min:

The skilled technician should take all the necessary precautions concerning safety measures to insulate the machine from the mains and to avoid pressure in the heater, waterline closure or tank removal so as to prevent inconveniences or damages. Before proceeding, remove all machine covers and check for any damage or leakage.

- Check for any sign of leakage;
- Check all wirings;
- Check pump noise;
- Check for any drip from the unit, the steam nozzle and the hot water nozzle;
- Replace the non-return valve (01000023);
- Check self-level function;
- Check heater pressure (______Bar);
- Check total production of beverages;
- Check electrovalve for leakages;
- Check heater for leakages;
- Replace group gasket (02280020.C);
- Replace shower screen (03000066);
- Insert or replace, if necessary, shims under the seal (02060014);
- Replace the pressure switch (09200014);
- Replace the steam nozzle seals (05000001);
- Replace the steam nozzle closing piston (98008004);
- Replace the 2-coffee filter (03000073);
- Replace the 1-coffee filter (03000072);
- Replace the steam nozzle support seal (02280037);
- Replace the nozzle support seal (02280011);
- Replace the steam lever piston seals (2 x 02280014);
- Replace the steam nozzle seal (02280036);
- Replace the unit expansion valve (98120001).

NOTES

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

Necessary spare parts:

01000023
02280020.C
03000066
02060014
09200014
05000001
98008004
03000073
03000072
02280037
02280011
2x02280014
02280036
98120001
ANNUAL MAINTENANCE

- Change every 12 months
- Change every 24 months
INDEX

11. SPARE PART CATALOGUE ........ 11.1
  11.1 CABINET PARTS ................. 11.2
  11.2 COMPLETE POURING UNIT ........ 11.3
  11.3 TANK - FRAME COMPONENTS .... 11.4
  11.4 STOVE FILED COLLECT WATER ... 11.5
  11.5 BOILER COMPONENTS ............ 11.6
  11.6 ELECTRICAL COMPONENTS ....... 11.7
* SPECIFICARE COLORE (SPECIFY COLOR)
11.2 COMPLETE POURING UNIT

COMPLETE GROUP
980400000001000000 230V
980400000001000000 115V
11.4 STOVE FILED COLLECT WATER

SPECIFICARE COLORE (SPECIFY COLOR)
11.5 BOILER COMPONENTS
<table>
<thead>
<tr>
<th>REFERENCE</th>
<th>DESCRIPTION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>05002412</td>
<td>POMPA RISERNO OSCAR II</td>
<td>BOTTIN COVER OSCAR II</td>
</tr>
<tr>
<td>05002414</td>
<td>SUPPORTO RISERNO OSCAR II</td>
<td>TANK SUPPORT OSCAR II</td>
</tr>
<tr>
<td>05002416</td>
<td>MANETTE VAPEUR OSCAR II</td>
<td>STEAM KNOB OSCAR II</td>
</tr>
<tr>
<td>05080035</td>
<td>PRESSE CAFE' ABUS NORES</td>
<td>PLASTIC COFFEE PRESS</td>
</tr>
<tr>
<td>05180005</td>
<td>SUPPORTO POMPA AD LI DOX</td>
<td>L-SHAPED PUMP BRACKET</td>
</tr>
<tr>
<td>09200014</td>
<td>PIPETTE PORTA CAUCOUTCHOU 90 x POMPE</td>
<td>SMALL PIPE</td>
</tr>
<tr>
<td>06200008</td>
<td>CORPS DEUX VOIES OUVERT</td>
<td>TWO WAY SPOUT</td>
</tr>
<tr>
<td>06200018</td>
<td>MANETTE VAPEUR</td>
<td>STEAM KNOB</td>
</tr>
<tr>
<td>06200035</td>
<td>LEGA INOX</td>
<td>STAINLESS STEEL</td>
</tr>
<tr>
<td>06200036</td>
<td>RACCORD T 1/8 M-F</td>
<td>T FITTING 1/8 F</td>
</tr>
<tr>
<td>08000003</td>
<td>LEGA INOX</td>
<td>STAINLESS STEEL</td>
</tr>
<tr>
<td>09200006</td>
<td>RESORT BLOQUE FILTRE</td>
<td>FILTER HOLDER SPRING</td>
</tr>
<tr>
<td>09200017</td>
<td>RESORT LANCE</td>
<td>SPRING LANCE</td>
</tr>
<tr>
<td>09200040</td>
<td>RESISTANCE CHAUDIERE OSCAR</td>
<td>HEATING ELEMENT OSCAR</td>
</tr>
<tr>
<td>09500007</td>
<td>THERMO PROTECTEUR 1200W 230V</td>
<td>THERMAL PROTECTION</td>
</tr>
<tr>
<td>11100002</td>
<td>TUYAU SILICONE 5x8 65Sh PEROX</td>
<td>SILICONE TUBE 5x8</td>
</tr>
<tr>
<td>11740001</td>
<td>TUYAU TEFLON 6/4</td>
<td>TEFLON PIPE 6/4</td>
</tr>
<tr>
<td>14100040</td>
<td>RESISTANCE CHAUDIERE OSCAR 1''</td>
<td>HEATING ELEMENT OSCAR</td>
</tr>
<tr>
<td>31000700</td>
<td>ETIQUETTE ADHESIVE SYMBOLE</td>
<td>ETIQUETTE SYMBOLE</td>
</tr>
<tr>
<td>73001100</td>
<td>TUYAU SUPERIEUR</td>
<td>HIGHT TUBE</td>
</tr>
<tr>
<td>80110001</td>
<td>VALVE DE RETENUE COMPL</td>
<td>SAFETY VALVE 1/8 BAR</td>
</tr>
<tr>
<td>98030600</td>
<td>ENSEMBLE RESERVOIR EAU SUPPORT AVEC FLOTTEUR</td>
<td>WATER CONTAINER ASSEMBLY WITH FLOAT SENSOR</td>
</tr>
<tr>
<td>98030700</td>
<td>ENSEMBLE CHAUDIERE OSCAR II</td>
<td>COMPLETE STEAM VALVE PISTON</td>
</tr>
</tbody>
</table>

**SERVICE MANUAL**

Ed. 01 of 12/2015

11.9