



ROZONE

INNOVATE • SUSTAIN • PERFORM



PCS25 & PCS28 Smartwasher™ Operating Manual

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Please read and comply with these instructions prior to the initial operation of your appliance. Retain these operating instructions for future reference or for subsequent possessors. In case of transport damage inform vendor immediately.

Contents

Environmental Protection
 Proper Use
 Function
 Safety Instructions
 Machine Components
 Start Up
 Operation
 Shutting Down
 Maintenance and Care
 Disposal Information
 Spare Parts
 Warranty
 CE Declaration
 Troubleshooting
 P.A.T. Testing
 Electric Circuit Diagrams

Environmental Protection



The packaging material can be recycled. Please do not place the packaging into the ordinary refuse for disposal, but arrange for the proper recycling.



Old appliances contain valuable materials that can be recycled. Please arrange for the proper recycling of old appliances. Batteries, oil, and similar substances must not enter the environment. Please dispose of your old appliances using appropriate collection systems.

Please do not release engine oil, fuel oil, diesel and petrol into the environment. Protect the ground and dispose of used oil in an

Please dispose of used filter mats and cleaning solutions according to the local regulations for special wastes (see "Instructions for disposal")

WEE Producer Registration Number:-
 WEE/JG0549ZR/PRO

Proper Use

The device is meant for manually cleaning parts with a maximum weight of 100kg.

- The cleaning solution SW offered for this device and the corresponding microbe filter mats should be used for the device to function properly.
- The use of other detergents can hamper or prevent the bio-degradation of grease and oil.
- Don not fill with solvents, inflammable or explosive liquids.
- The device must be installed on a firm ground.
- The device is not meant for disposing of used oil. If large quantities of oil, petrol, engine oil, anti-frost agents or similar substances enter the device this can hamper the bio-degradation of oil/grease by the microbes.
- The device is not meant for cleaning painting tools.

Please do not let mineral oil contaminated waste water reach soil, water or the sewage system.

Please dispose of used filter mats according to the local regulations for waste containing mineral oil.

Function

The microbes are first introduced to the system in the filter mat and are then transported by the liquid cleaning solution through the filter mat into the base unit.

The cleaning solution in the base unit is heated by the heater element and transported by the pump to the cleaning tools. The cleaning solution must be heated for the microbes to function properly.

The cleaning tools can be controlled via the corresponding shut-off valves.

Solid dirt particles washed into the sink are captured in the filter basket in

the rinsing tray and in the underlying filter mat.

Grease and oily dirt is rinsed into the base unit and is then degraded by the microbes into carbon dioxide and water.

Safety Instructions

- Please read the operating instructions for your machine before using it, and pay particular attention to the following safety instructions.
- Warning and information plates on the machine provide important directions for safe operation.
- In addition to the information contained in the operating instructions, all statutory safety and accident prevention regulations must be observed.

Power Connection

- The voltage indicated on the type plate must correspond to the voltage of the electrical source.
- Safety class 1 – Appliances may only be connected to sockets with proper earthing.
- It is recommended that you connect this device to a socket that has a 30mARCD device to guard against earth leakage faults.
- Please use the mains cable fitted by the manufacturer; the same is also applicable when you replace the cables.
- Never touch the mains plug with wet hands.
- Make sure that the power cord or extension cables are not damaged by running over, pinching, dragging or similar. Protect the cable from heat, oil and sharp edges.
- The extension cable must have a conductor cross section area of 2.5mm and be protected against spraying water. The connection must not lie in water.
- If the power cord is replaced the control box cover must be correctly refitted to ensure that it is water tight.

Application

- The machine must be checked prior to use to ensure that it is in

proper working order and is operating safely.

- The machine must not be used in hazardous locations.
- The appliance must be sited on stable ground.
- All electrical equipment in the working area must be protected against any spraying cleaning solution.
- Please wear appropriate safety gear when using the machine—such as safety goggles and protective gloves.
- Do not use the Smartwisher™ to clean materials containing asbestos or other hazardous substances such as pesticides.
- Only use the cleaning solutions approved by the manufacturer.
- If the cleaning solution comes into contact with the eyes, please rinse the eyes thoroughly with water. If swallowed please consult a doctor immediately.

Proper Use

- The operator must use the machine properly as instructed in this manual. The operator must pay attention to any surrounding hazards and consider those working around him when using the Smartwisher™.
- The machine should only be used by people who have been instructed in how to use it properly. The Smartwisher™ must not be operated by children.
- Never leave the machine unattended when the cleaning solution is running through the tap.

Moving or Transporting

Turn off the Smartwisher™ and unplug the connection to the electrical socket. Then empty the machine if you need to move or transport the Smartwisher™. Only transport when empty.

Maintenance

- Switch off the Smartwisher™ and unplug from mains socket before carrying out any maintenance on the machine.
- Please wear appropriate safety gear such as safety goggles and gloves.

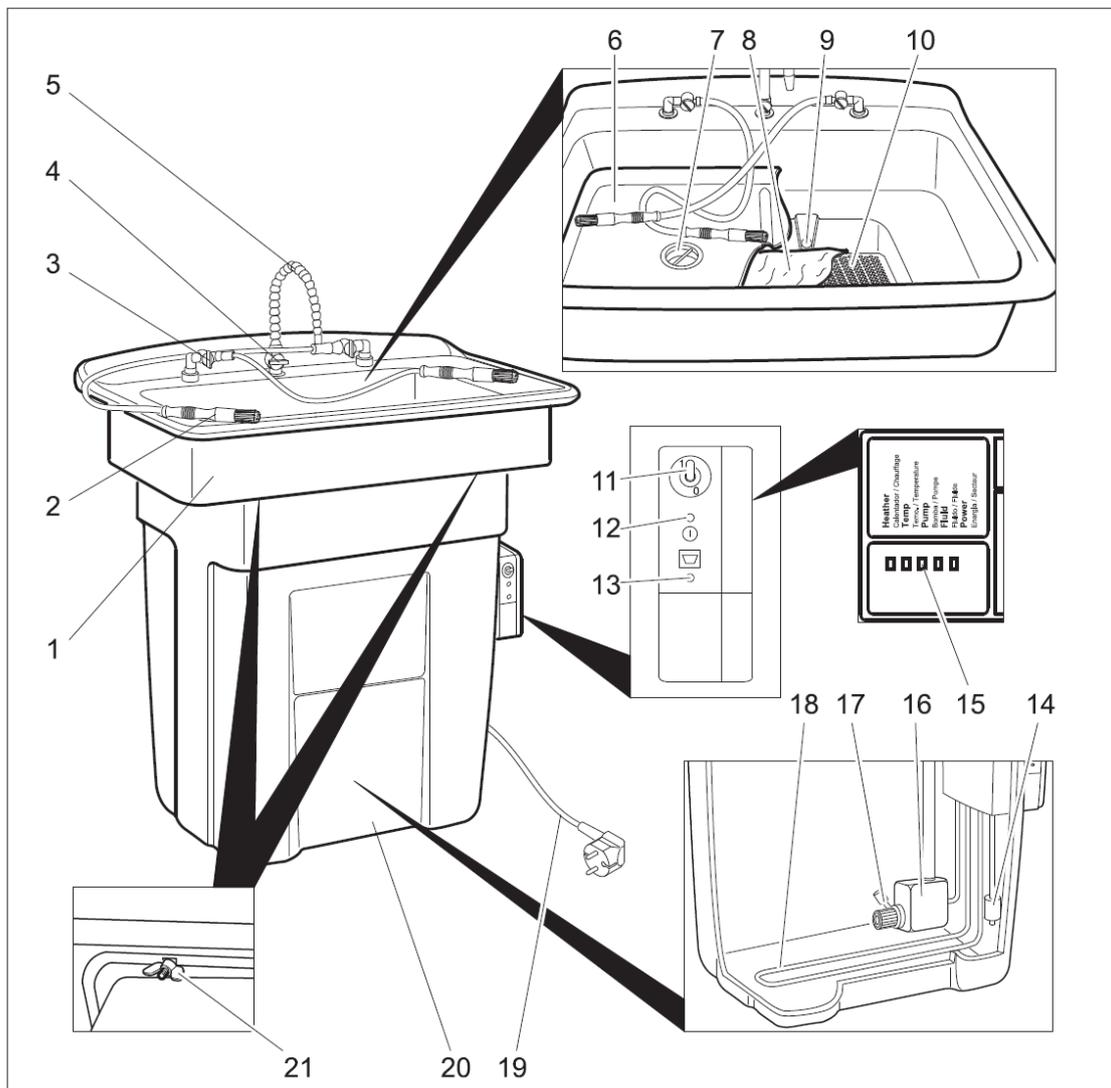
- Maintenance work should only be carried out by an approved customer service expert.
- Mobile appliances used for commercial purposes are subject to safety inspections.

Accessories and Spare Parts

Only use accessories and spare parts which have been approved by the manufacturer. This ensures that the Smartwasher™ operates correctly and safely.

10. Filter Support Grid
11. Pump "On/Off" Switch
12. Green Power Indicator Light
13. Red Low Fluid Indicator Light
14. Fluid Level Sensor Probe
15. LED Pump
16. Pump
17. Filter
18. Heater Element
19. Power Cord
20. Base Unit
21. Wing Nut (Only in Supersink Model)

Machine Components



1. Sink Top
2. Flo-Thru Brush
3. Female Valve
4. Male Valve
5. Nozzle Kit
6. False Bottom / Sink Tray
7. Stainless Steel Basket Filter
8. Filter Mat with Microbes
9. Overflow Hole

Start Up

- Situate the Smartwasher™ on flat stable ground.
- Place the black plastic filter support grid into the sinktop.
- Unpack the filter mat and place it on top of the filter support grid with the blue side facing down and the white side visible facing upwards.
- Place the black sink tray on top.
- Insert the stainless steel basket filter into the opening in the middle of the sink tray.
- Pour 80 litres of cleaning solution slowly into the sink.



Warning!

Adding any other cleaning solutions can deactivate the microbes and the bio-remediation of grease and oil will be affected resulting in the Smartwasher™ not working effectively or properly.

- Plug into the mains socket and switch on electrical supply.
- The Smartwasher™ will begin to heat up the cleaning solution to its optimal working temperature of approximately 38°C.

Operation

Cleaning is a manual operation using the flo-thru brush in the Smartwasher™ sinktop.

- Wear safety goggles and protective gloves.
- Place the dirty parts in the sink tray (maximum weight 100kg)
- Switch the “Pump On/Off” switch to “On”
- Open the shut off valve of the desired tool. You can use both the nozzle and the flo-thru brush at the same time for maximum cleaning effect if desired.
- When cleaning is finished switch the “Pump On/Off” switch to “Off”

Note

The pump automatically switches off after 10 minutes. Flick the “Pump On/Off” switch off and on to restart the pump. Please ensure that the pump is switched off after cleaning operation is complete as this will save unnecessary loss of cleaning solution through evaporation.

Shutting Down

- Switch the “Pump On/Off” switch to “Off”.

Note

In order for the bioremediation process to occur the temperature of the cleaning solution must be maintained at 38°C for the microbes to operate at their optimal level. Therefore the power supply to the Smartwasher™ must not be switched off at night or at weekends. The Smartwasher™ must remain on at all times.

Restarting

If there is a power failure or the machine is switched off for a considerable length of time and the cleaning solution is allowed to go cold, new microbes will need to be added to the cleaning solution.

- Replace the filter mat (see section “Maintenance and Care/Monthly”)
- If the machine is off for several weeks then pour a bottle of Microbe Booster Solution into the Smartwasher™.

Maintenance and Care

Daily

- Check that the green power light is on.
- Check to see if the red “Low Fluid” indicator light is on.
- If the “Low Fluid” light is on, pour 20 litres of cleaning solution into the Smartwasher™ sink.

Note

Do not overfill the Smartwasher™. If the “Low Fluid” red indicator light is on the heater element in the base unit will be switched off and the cleaning solution will begin to lose temperature. Therefore it is important to top up the fluid as soon as possible to keep the microbes at their optimum working temperature.

Monthly

- Change the filter mat.
- First remove the sink tray.
- Wring out the old filter mat into the sink.
- Please dispose of used filter mat according to local authority

regulations for waste containing mineral oil. (see “Instructions for Disposal”)

- Place new filter blue side down, white side up onto the filter support grid.
- Replace the sink tray.

Yearly

Annual maintenance check on machine recommended.

If a cleanout and change of fluid is required please follow correct procedure.

For a Supersink model Smartwasher™

- Ensure the machine is switched off and unplugged from the mains.
- Unscrew the wing nuts and remove the sink top.
- Remove dirty solution from the base unit and dispose of waste according to local authority regulations.
- Rinse/jetwash the base unit in an appropriate wash area ie. equipped with an interceptor.
- Replace sinktop and tighten wing nuts checking that the hose pipes are all connected.
- Remove sink tray.
- Place new filter mat on filter support grid – blue side down/white side up.
- Replace sink tray.
- Pour 80 litres of new cleaning solution into the sink.

For Standard model Smartwasher™

- Ensure the machine is switched off and unplugged from the mains.
- Lift off the sink top.
- Remove dirty solution from the base unit and dispose of waste according to local authority regulations.
- Rinse/jetwash the base unit.
- Replace sinktop checking that the hose pipes are all connected.
- Remove sink tray.
- Place new filter mat on filter support grid – blue side down/white side up.
- Replace sink tray.
- Pour 80 litres of new cleaning solution into the sink.

Disposal Information

The following EC waste codes are applicable to the filter mats and cleaning solution.

| | |
|---|-------------------------------|
| Filter Mat FL-3 | 130899 Oil Waste a.n.g. |
| SW-3i Cleaning Solution SW-6 Cleaning Solution | 070601 Watery Wash Liquids |
| Microbe Booster Liquid | 161002 Watery Liquid Waste |

Spare Parts

- Only use accessories and spare parts which have been approved by the manufacturer. This ensures that the Smartwasher™ operates correctly and safely.
- For information on spares and accessories contact Rozone Ltd.

Warranty

We will repair all machine appliance failures within the warranty period free of charge, provided that the failure is caused by faulty parts or defects in fabrication.

In the event of a warranty claim please contact your dealer.

CE Declaration

We hereby declare that the machines stated below comply with the relevant basic health and safety requirements of the EU Directive, both in their basic design and construction and in the version put into circulation by us. This declaration shall cease to be valid if the machine is modified in any way without prior approval.

Product: Machine designed for

Partscleaning using water based cleaning solutions.

Type: PCS25 Smartwasher™
PCS28 Supersink
Smartwasher™

Relevant EU Directives: 2006/95/EC
2004/108/EC

Applied Harmonized Standards: EN55014-1:2006
EN55014-2:1997+A1:2001
EN12921-1
EN12921-2
EN60335-1
EN61000-3-2:2000+A2:2005
EN61000-3-3:1995
+A1:2001+A2:2005

Applied National Standards -

The undersigned act on behalf and under the power of attorney of the company management.

Troubleshooting

| Fault | Possible Cause | Solution | By Whom |
|---|--|---|------------------|
| No lights on | No power to the machine | Check electrical mains | Electrician |
| Poor cleaning result | Microbes have been destroyed | Replace filter mat | Operator |
| | Too much oil has been put into the machine – it is not a waste oil dump | Add a bottle of Microbe Booster | Operator |
| High consumption of fluid | Fluid is being carried off in the cavities of parts being washed | Let the cleaned parts drain off | Operator |
| | Fluid is being taken out for benchtop cleaning elsewhere in the works | Make provision for extra fluid requirement | Operator |
| | Evaporation – machine situated near an open roller shutter door | Move machine to a warmer position | Operator |
| | Flow Thru brush has been allowed to hang over the side of the sink | Check for fluid on the floor around the machine | Operator |
| | Device leaking | Check machine for leaks | Operator |
| | Evaporation - gap between the sink and the base | Check that the sink is sitting properly on top of the base | Operator |
| No flow of fluid | Closed tap on both nozzle and brush | Open taps | Operator |
| | Insufficient cleaning solution in the tank | Add fluid until the red indicator light goes off | Operator |
| | 10 minute pump timer has expired | Flick the ON/OFF switch off and on to restart flow | Operator |
| | Pump has failed | Replace the pump | Service Engineer |
| | Hose is blocked or has become disconnected | Check hose connection from the pump to the nozzle or to the tap for blockages or leaks | Operator |
| Low fluid indicator light is on despite having adequate fluid | Level sensor probe has got stuck | Dislodge weight on sensor level probe. If light remains on call customer service / service/repair | Operator |
| Cleaning Solution is backing up and not draining from sink | Stainless steel filter basket is blocked | Clean debris from mesh basket | Operator |
| | Filter mat is covered in sludge and therefore impenetrable | Replace filter mat | Operator |
| Cleaning Solution is cold | Check Low Fluid Indicator light. | If light is on add 20L cleaning solution | Operator |
| Cleaning Solution is discoloured | Cleaning Solution will become dark in colour due to dyes in oils and greases washed off from the | This is normal and will not affect the cleaning power | N/A |

P.A.T. Testing

The Smartwasher™ machine is of a CLASS 1 construction and due to the weight of the machine when full should be classed as stationary. We recommend a minimum time of 12 months for combined testing and inspection and monthly for the formal visual inspection.

Earth Continuity

Lift the sink and place out of the way, allowing access to the heater element. Place the earth clamp of the P.A.T. tester onto the heater element and take readings as normal (use the 25amp setting for this test). The heater effectively earths the fluid in the base of the machine.

Earth Leakage

A 500v Insulation test should not be carried out on this machine due to the electronic nature of the control circuit board. This is with reference to the codes of practice:- Sections 8.1.3b and 15.3b

This test may be carried out in the normal manner on the differential leakage setting on the tester. We have found this to be the most effective.

