



Product Manual

Gogglewash

Gogglewash



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CS-A0010 - Gogglewash Machine

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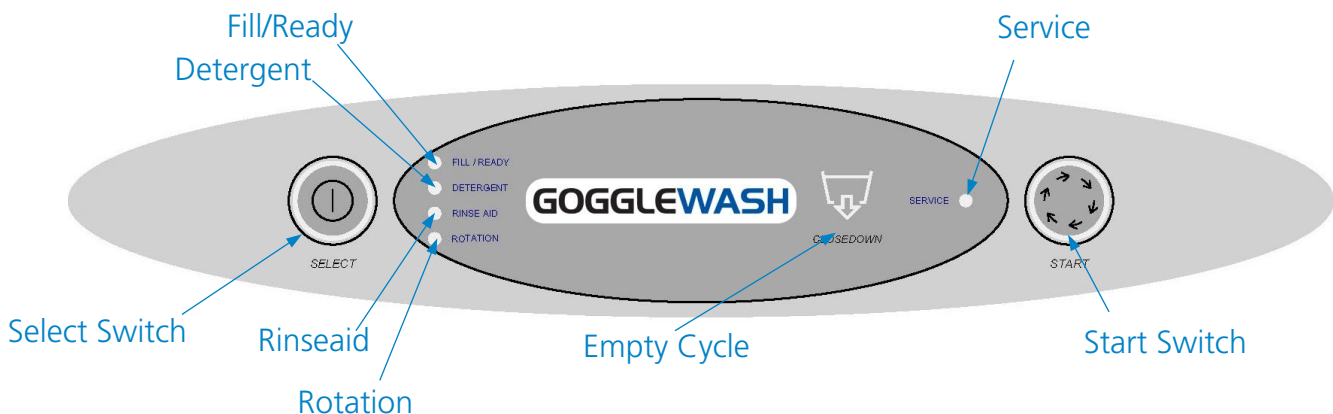
Gogglewash Operating Instructions

Preparation

1. Ensure that the machine interior is clean and soil-free, and that the bottom Spraybar rotates freely, Jets are clean and correctly located.
2. Check that the Upper Rinse Arm is in place.
3. Ensure that all four Filters are in position in the Wash Tank trough:

Primary Flat Disc Filters (2) are fitted to the wash and waste outlets. Secondary Drum Filter fitted over the wash outlet (rear outlet). Main Tray Filter that encloses the Wash Tank trough.
4. Check that the Detergent and Rinseaid containers have sufficient liquid level and that the suction tubes are in their appropriate products. Blue tube for Rinseaid, and clear tube for Detergent.
5. Switch on the water and electrical supplies to the machine. Close the Door.

The Select Switch will be illuminated red.



Switch the Machine On

6. Press the Select Switch: The Select Switch will be illuminated blue.



Filling

1. When the machine is switched on, a fill heat sequence will be performed as follows:
 - a) The Rinse Tank will fill with water
 - b) The Drain Pump will operate to vacate any water from the Wash Tank
 - c) The Fill/Ready Lamp will be illuminated orange
 - d) The Start Switch will be illuminated green (rotating)
 - e) Once the Rinse Tank is full, the water will be heated to 75°C
 - f) The Fill/Ready Lamp will flash orange during heating
 - g) Once up to temperature, the rinse water will be pumped into the Wash Tank
 - h) After the Fill/Heat sequence has been completed, the audible alarm will bleep five times
 - i) The Fill/Ready Lamp and Start switch will be illuminated green
 - j) The Glass Cycle Lamp will be illuminated blue
 - k) The Rinse Tank will re-fill and heat to standby temperature

The machine will now be in Standby Mode, ready to operate wash cycles.

Note: If the machine has not been switched off using the Closedown Cycle (or suffered a power failure) a short refreshment cycle will be performed at start-up to ensure that all water is vacated from the machine. The Fill/Ready Lamp being illuminated red indicates this.

To avoid this, and to ensure hygienic conditions, always use the Closedown Cycle at the end of a session.

Standby Mode

1. Pressing the 'Select Switch' will step through the cycle options as follows:



Wash

Closedown

The appropriate indicator will be illuminated blue.

Wash Cycle is the default cycle and used for washing 3D Glasses.

Closedown Cycle is used at the end of a washing session to empty all tanks and flush the system clean.

Starting The Cycle

1. Press the Start Switch to start the cycle:
 - a) The Start Switch will be illuminated green (rotating)
 - b) The Wash Pump will be energised for the initial 90 seconds of the cycle, re-circulating the wash water via the rotating Spraybar

The Door must not be opened during the wash cycle.

2. During the wash period the rinse water will be heated to the correct operating temperature.

If the rinse water is not up to temperature at the end of the 90 second wash period, the machine will continue washing until the correct temperature is reached. The Fill/Ready Lamp flashing green indicates this.

- a) At the end of the wash period the Wash Tank will be emptied for 20 seconds
 - b) The cycle will conclude with a fresh water rinse (approx. 10 seconds)
 - c) At the end of the cycle, the audible alarm will bleep five times
 - d) The Fill/Ready Lamp and Start switch will be illuminated green
 - e) The Glass Cycle Lamp will be illuminated blue
 - f) The Rinse Tank will re-fill and heat to standby temperature
3. Open the Door and remove the basket of clean glasses. Close the Door.

The machine will now be in Standby Mode.

Note: If the wash water temperature is too low, a short refreshment cycle will be performed at the start of the cycle. The Fill/Ready Lamp will be illuminated orange to indicate this.

Closedown Cycle

1. From Standby Mode, select the Closedown Cycle and press the Start Switch to start the cycle:

At any other time (during the fill/heat sequence, during a wash cycle, or whilst the machine is in an error condition), press the Select Switch (the Closedown Lamp will flash) and press the start Switch. This will force a Closedown Cycle.

- a) The Start Switch will be illuminated green (rotating)
- b) The Drain Pump will be energised during the entire cycle, removing water from the Wash Tank. The Door must not be opened during the closedown cycle
- c) The Rinse Pump will be energised for the initial 20 seconds of the cycle to remove the water from the Rinse Tank
- d) At the end of the 40 second cycle, the machine will switch off, with the Select Switch illuminated red
- e) Isolate the water and electrical supplies to the machine

Chemical Injection And Warnings

Detergent & Rinseaid

Detergent and Rinseaid is automatically injected during each washing cycle. The amount of chemical injected is dependent on site conditions and can be adjusted by an engineer. The default setting is 300:1 for Detergent and 3000:1 for Rinseaid. A bottle of Rinseaid will last 10 times longer (before replacement is required) than Detergent.



Detergent and Rinseaid is continuously monitored (by conductivity) on entry into the machine.

If a chemical is detected, then the relevant lamp is illuminated green.

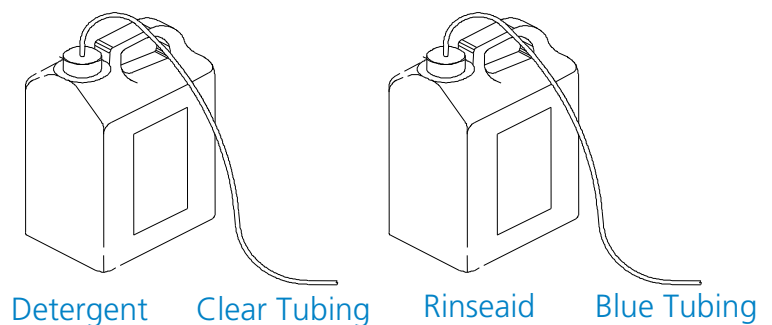
If not detected, then the lamp is illuminated orange.

Note: In some cases, poor quality chemicals may not be detected.

If a chemical is low (orange warning lamp), then replace the relevant bottle.

For Rinseaid low, it is recommended to restart the machine to allow the Rinseaid to prime.

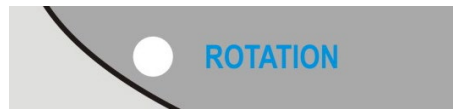
It is important that the correct chemical suction tube (colour coded) is connected to the correct chemical.



Note: Operating the machine without the correct chemicals or with chemical tubes wrongly connected to bottles will damage the ware and promote scale build-up.

Spraybar Rotation Warning

Poor wash quality will result from the lack of rotation of the Spraybar. The machine incorporates a Spraybar rotation sensor and will highlight a problem by use of a warning lamp.



Spraybar rotation is continually monitored during the wash and rinse periods of a wash cycle.

If rotation is detected: The warning lamp will be illuminated green

If rotation not detected: The warning lamp will be illuminated red at the end of the cycle.

The reason for lack of rotation will normally be caused by soil build-up around the Wash Arm bearing, blocked Filters, or by blocked Jets.

Remove the Spraybar assembly & Filters and clean thoroughly using clean running water. Refit the parts. The Spraybar should rotate freely. Check that the warning lamp responds to the rotations.

Note: Clean the machine thoroughly then start a wash cycle only call an engineer if the error cannot be cleared.

Other Features

Energy Saving

In Standby Mode the rinse water temperature is held at a lower value than that required for the cycle rinse. The shortfall in rinse temperature is made up during the wash part of a cycle. In this way, energy is not needlessly wasted.

The standby temperature will depend on the model, the cycle type chosen, and whether the machine is connected to 13 or 30 amps.

Data Fault

If for any reason the data within the control system becomes corrupted, this will be indicated on the Control Panel with all indicator lamps flashing.

To re-load the default data, press the Start Switch.

If the problem persists, call an engineer.

Daily Maintenance

Important

Ensure that the electrical and water supplies are switched off while carrying out the following procedures. This appliance must not be cleaned with a water jet.

Refer to Exploded Diagram below for help with maintenance and spares.

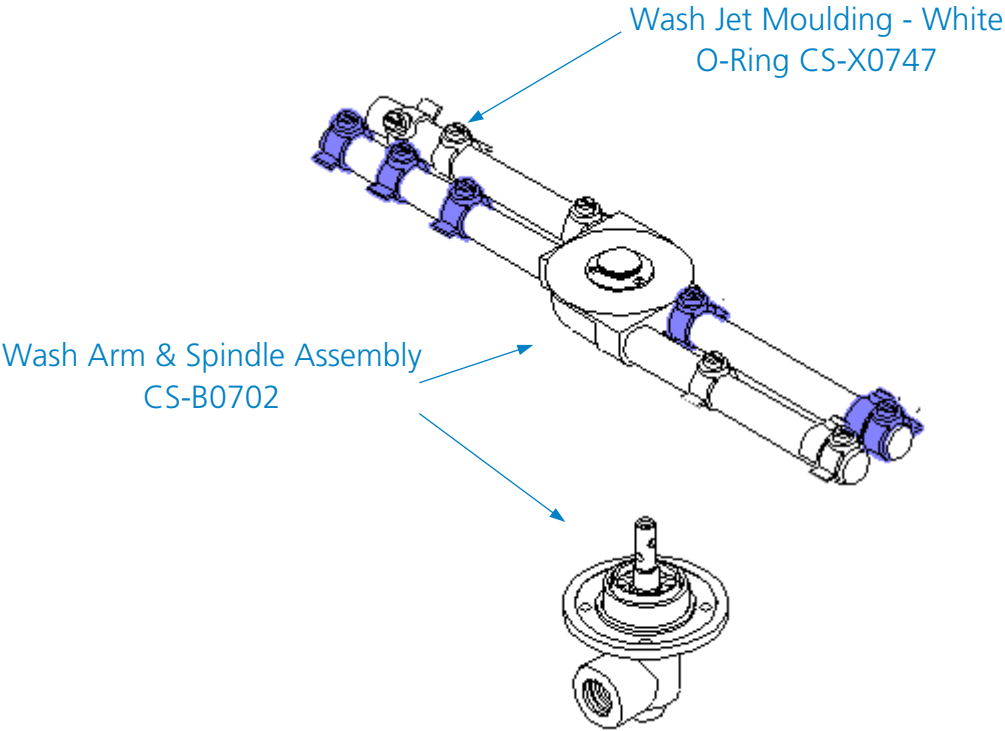
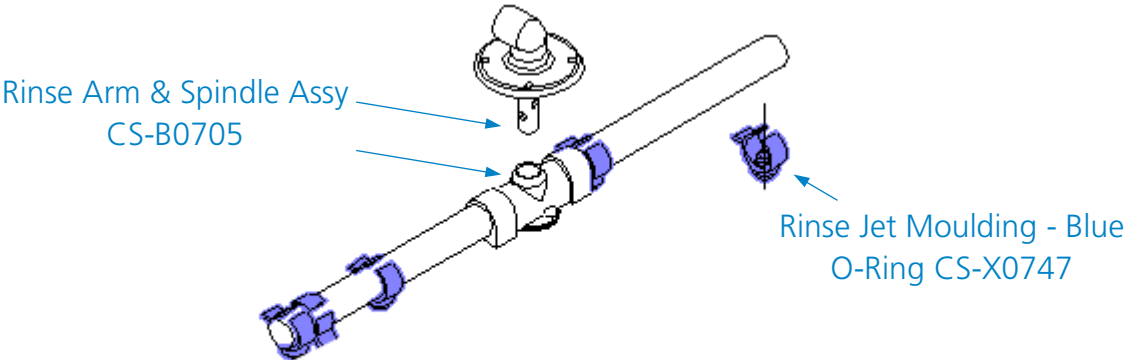
1. At the end of each session, open the machine Door and remove the baskets.
2. Remove the top Rinse Arm and bottom Wash Arm by unscrewing their central retaining fasteners and lifting away. Ensure that the mating surfaces around the spindle areas are clear of debris.

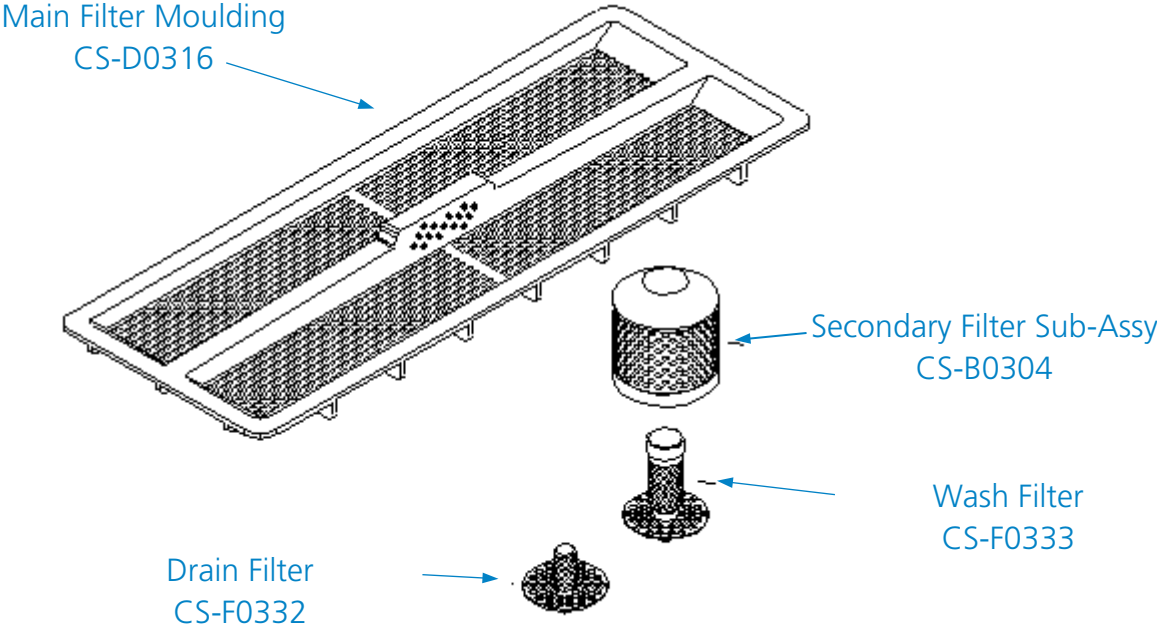
Inspect the Spray Jet nozzles for blockages.

- a) To clean blocked Jets, the affected nozzle can be sprung-off from the Spraybar and flushed clear with running water
 - b) Do not dismantle the Spray Bar Tubes from the Hubs, or remove the End Caps.
 - c) Ensure that blue nozzles are fitted to arms having blue end markers, and that white nozzles are fitted to arms with white end markers.
 - d) Carefully remove any debris from the machine interior (protective gloves are recommended)
 - e) Clean all internal surfaces of the wash tank with a nylon brush and wipe with a clean damp cloth. Pay particular attention to the door labyrinths and hinge areas.
3. Remove the Tray Filter, which covers the wash tank trough, and the Drum Filter, which covers the wash outlet hole. Brush them clean under running water to ensure that all particles and fibres are removed.
 4. Use a damp cloth to wipe clean the Wash Tank trough.
 5. Unscrew and remove the two Flat Disc Filters and brush clean under running water.
 6. Re-assemble the fittings in reverse order, ensuring that all four filters are in their correct positions, and that the lower spray bar rotates freely. Do not over tighten spray bar fixing screw – finger tight is sufficient.

7. Check and if necessary, replace detergent, rinseaid, and optional descale containers.

Vital Parts To Be Regularly Cleaned/Maintained





Helpful Hints And Simple Fault Finding

Observance of the following Do's and Don'ts will ensure that maximum efficiency will be obtained from your machine.

Machine Preparation and Use

Do's

1. Ensure baskets are full and correctly loaded.
2. Ensure that the machine interior is thoroughly clean and free of debris of any kind.
3. Remove and thoroughly clean all jets, filters, wash arms etc. DAILY. Wash filters must be absolutely clean and located correctly for the machine to operate efficiently.
4. Ensure that the Jets are located correctly and the check the Spray Bar is free to rotate.
5. Ensure that the detergent and rinse aid containers are sufficiently full for the anticipated use during the session. Use only recommended detergents and rinse aids.
6. Ensure that the Fill/Ready Lamp is green before inserting the loaded basket and starting cycle.
7. Ensure that a wash cycle is fully completed before removal of glasses. On completion of a cycle, the Start Switch will stop rotating, and there will be five bleeps by the audible alarm.
8. Operate a Closedown Cycle to drain the machine completely after every trading session.
9. Leave the door open at the end of session to ventilate the machine.

Don'ts

1. Put anything other than 3D Glasses through the machine. Residue from food or drinks vessels will contaminate lenses
2. Attempt to remove the basket of glasses before the Wash Cycle is completed.

3. Wash glasses with water only. Detergent and Rinse Aid must be used.
4. Stack glasses on top of each other. Use the Gogglewash basket to ensure maximum wash contact
5. Leave washed glasses in the machine.
6. Leave the door open between cycles.
7. Isolate power without operating a shutdown cycle.
8. **Attempt to remove machine cover panels. In the event of failure switch off the power to the machine and call for a Service Engineer.**

Simple Fault Finding

Should a problem develop on your machine, please consult the following fault-finding procedures before sending for an Engineer.

Service Lamp Flashes

1. Check the switch is "ON" at the wall socket.
2. Check fuse in plug, spur point, or fuse box.
3. Send for Engineer

Machine does not fill – Error code 3.

1. Check that the water supply is switched on and have not been isolated, elsewhere.
2. Check that the inlet hoses are not kinked.
3. Check that the water conditioner valves are in the correct position (if fitted).
4. Send for Engineer.

Machine noisy in wash cycle

1. Check that the wash tank filter has been fitted properly.
2. Check the wash tank filters for blockages.
3. Send for Engineer.

Machine will not drain

1. Check for blocked drain filter.
2. Send for Engineer.

Lenses "spotty" or water-marked in appearance

1. Check Wash & Rinse Jets are clean and correctly located.

2. Check Spray Bar is Free to Rotate.
3. Check for sufficient detergent and rinse aid in containers, and that suction tubes are correctly in position.
4. Check that the water conditioner (where fitted) is being regenerated at correct intervals, and that granular salt is being added as per instruction.
5. Send for engineer if poor wash results persists

Excessive Foam in cabinet

1. Check that the recommended detergent and rinse-aid are in use.
2. Ensure that the wash filters are clean and in position in the wash tank.
3. Send for Engineer.

Scale build-up in cabinet

1. Check that the recommended detergent and rinse aid are in use.
2. Send for Engineer.

Machine Errors

If the machine experiences a major error, this is indicated by the Service Lamp flashing red.



Description of errors:

Overfill Error (Code '1')

1. The Service Lamp will flash at a rate of - 1 Flash and 1 Pause.
2. The machine will be unusable.
3. Closedown the machine and call for an engineer.

Overfill Error (Code '2')

1. The Service Lamp will flash at a rate of - 2 Flashes and 1 Pause.
2. The machine will be unusable.
3. Closedown the machine and call for an engineer.

Fill Error (Code '3')

1. The Service Lamp will flash at a rate of - 3 Flashes and 1 Pause.
2. Machine stalls but will resume if water supply is restored.
3. Check water supply. If problem persists Closedown the machine and call for an engineer.

Refill Error (Code '4')

1. The Service Lamp will flash at a rate of - 4 Flashes and 1 Pause.
2. The machine will be unusable.
3. Closedown the machine and call for an engineer.

Rinse Timeout Error (Code '5')

1. The Service Lamp will flash at a rate of - 5 Flashes and 1 Pause.
2. The machine will be unusable.
3. Closedown the machine. Check and clean the Rinse Jets and restart the machine.
4. If problem persists, call for an engineer.

Note: To Closedown the machine, press the select Switch, followed by the start Switch.

Goggleswash Installation

Siting

The machine must be sited on a sound level surface, with adequate clearance for servicing. Allow 50mm extra width and height clearance to ensure ventilation around the machine, and aid servicing. Be sure to provide allowance for water, drain, and electrical connections, and for the positioning of two 5lt Chemical Bottles.

Electrical Connection

Electrical connection must be carried out by a competent electrical engineer.

Warning: This appliance must be earthed

The wires in the mains lead supplied are coloured in accordance with the following code:

Green/Yellow	-	Earth
Blue	-	Neutral
Brown	-	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the colour markings on your supply terminals, proceed as follows:

1. The wire, which is coloured green and yellow, must be connected to the terminal marked "E" or by the earth symbol \equiv , or coloured green or green and yellow.
2. The wire, which is coloured blue, must be connected to the terminal marked "N" or, coloured black.
3. The wire, which is coloured brown, must be connected to the terminal marked "L" or, coloured red.

The following instructions must be followed before connecting to the electrical supply.

1. Check that the supply voltage is within the range marked on the appliance rating plate.
2. Ensure that the correct supply cable is fitted.

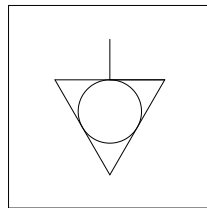
30 Amp Operation (Recommended)

Goggleswash machines are supplied from the factory internally wired for 30 amp (5.4 kW) operation and fitted with a 4mm² Mains Cable. Connection must be made to a 30 amp supply.

Connect to the electrical supply via a double pole-isolating device incorporated in the fixed wiring with contact separation of at least 3mm located within one metre of the machine so that the switch is in an easily accessible position. If in doubt, consult a qualified electrician. Use of a Residual Current Device is recommended.

Equipotential Bonding

This appliance is provided with a dedicated external terminal located on the lower rear cross member to facilitate the connection of an equipotential bonding conductor and is marked with the following symbol:-



Instructions are supplied with the machine. Further information is available from Clenaware Systems Ltd.

Note the power supply cord must be oil resistant, sheathed flexible cable not lighter than ordinary polychloroprene or other equivalent synthetic elastomer-sheathed cord (code designation HO5 RN-F).

Electrical Ratings

Single Phase 30A (As Supplied)

Voltage 230 - 240 V \sim 50Hz

Input (W) 5500 (as supplied) or 3000 (de-rated)

Current (A) 24 (as supplied) or 13 (de-rated)

Water Connection

The Goggleswash incorporates an integral Break Tank that has a Type 'A' Airgap that complies with the requirements of WRC IRN 001. The machine can be connected to storage, or direct to Mains Water Supply.

The machine incorporates an integral pumped rinse system, therefore external booster pumps are not required and should not be connected.

A single water connection is used for all filling. Connect a single hot or cold water supply to the inlet solenoid. A cold water supply is recommended.

1. Cold 50- 1000 kPa (0.5-10 bar) @ 5 Litres/min (minimum).
2. Hot 50 - 150 kPa (0.5-1.5 bar) @ 5 Litres/min (minimum).
3. Maximum hot water supply temperature 60°C.

Connection is by a flexible hose, which terminates with $\frac{3}{4}$ " BSP female fitting. The supply must be terminated with $\frac{3}{4}$ " BSP male threaded tap for machine isolation and positioned within one metre of the machine.

Water Softeners/Filters

The water supply must not exceed 120 mg/l calcium carbonate (CaCO₃) equivalent to 8 degrees Clarke or the use of a water softener or Filter will be required.

Drain Connection

This machine has a pumped waste system and requires a trapped 1½" open vent upstand with the top 450mm from the base of the machine. Place non-kink hose and former into upstand.

Detergent And Rinseaid Connection

Injection is automatic. The end of the suction hoses (clear for Detergent and blue for Rinseaid) should be fitted with the supplied Caps, Weights and Filters and placed into the base of the relevant containers

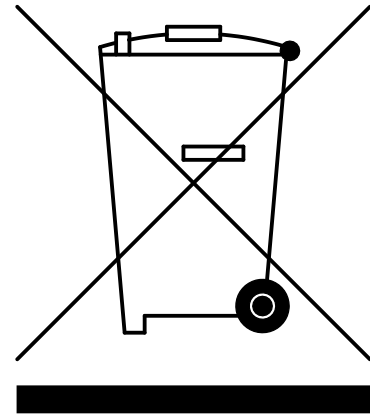
Part No	Goggleswash
Rack Size	500mm sq
Height Clearance	280mm
Wash Capacity (pairs)	32
Cycle Time	2 mins
Supply Voltage	230 - 240V (1) 50Hz
Power Input	3 or 5.5 Kw
Fuse @	25 Amps
Wash Pump Power	300 W
Wash Tank Capacity	3½ lts
Rinse Pump Power	300 W
Rinse Tank Capacity	3½ lts
Rinse Heater Power	2.5 or 5 Kw
Rinse Temperature	65°C
Wash Temperature	55 – 60 °C
Rinse Water per Cycle	3½ lts
Water Pressure/Flow Hot	0.5–1.5 Bar @ 5lt/min
Water Pressure/Flow Cold	0.5–10 Bar @ 5lt/min
Waste	Pumped
Rinse-Aid Dosing	Adjustable Peristaltic Pump
Detergent Dosing	Adjustable Peristaltic Pump
Thermal Insulation	Full
Operating Weight	77Kg
Shipping Weight	75Kg

WEEE

This equipment contains electrical and electronic components.

At the end of its life, this equipment should not be mixed with general waste during disposal.

For proper treatment, recovery and recycling, please take this equipment to a designated recycling facility. Please contact your local authority for further details of your nearest designated recycling facility.



Alternatively, you can contact your supplier of the equivalent new product to arrange disposal.

Service And Warranty

Warranty

All Clenaware Systems machines are covered by a 12 month guarantee.

Clenaware Systems Ltd guarantee that any and all products manufactured and marketed under the Clenaware Systems name and used in the correct way are free from defects in material and/or workmanship for a period of 12 months from the date of first installation.

All repairs will be carried out Monday to Friday and between the hours of 9.00am and 17.30pm.

The Clenaware Systems warranty covers any material or manufacturing and we will repair or replace any defect provided that:

1. Installation and commissioning was carried out by Clenaware Systems or an approved/nominated agent in accordance with the Clenaware Systems requirements as detailed in the user manual.
2. Products and/or components are not modified, altered or dismantled by unauthorised persons.
3. Products are maintained in accordance with the Clenaware Systems requirements by Clenaware Systems or an approved/nominated agent.
4. Products are cleaned and preventative maintenance carried out in accordance with the Clenaware Systems requirements as detailed in the Owner's Manual and on the Care Card.
5. Warranty service is performed by Clenaware Systems or an approved/nominated agent using genuine Clenaware Systems replacement parts supplied by Clenaware Systems or an approved/nominated agent.
6. A maintenance service has been carried out by Clenaware Systems or an approved/nominated agent at 12 months from purchase/installation. This is chargeable to the customer.
7. That chemicals used during normal operating are those recommended and purchased from Clenaware Systems or an approved/nominated agent.

The Clenaware Systems warranty will not cover the following:

1. Failure or damage caused by misuse, accidental or malicious damage.
2. Failure or damage caused by the loss of or fluctuations in electrical power supply.
3. Failure or damage caused by water supply failure or any other plumbing or drainage problem. This includes any water treatment device connected to the product.
4. Labour and material costs associated with cleaning and preventative maintenance as detailed in the owners manual or failure to perform a 12 month service.
5. Labour and material costs associated with replacing Filters or other water treatment devices.
6. Labour and material costs where non recommended chemicals are used causing failure due to corrosion, loss of beer-head retention, taste, appearance, cleanliness of washed glassware, or the formation of lime scale within the machine.
7. Labour and material costs associated with failure or operating problems caused by incorrect installation.
8. Any consequential loss as a result of product failure.
9. No fault found calls, these will be chargeable to the customer.
10. Costs associated with repairs requested out of hours i.e. before 09.00 hours and after 17.30 hours, Monday to Friday, all day Saturday, Sunday and Public Holidays.

Service

Warranty

1. All warranty service is performed by Clenaware Systems or an approved/nominated agent.
2. Warranty service is performed Monday to Friday and between the hours of 09.00am and 17.30pm.
3. All warranty claims should be logged by calling: 01933 666244.

Please have the following details to hand to speed up the processing of your call:

- a) Machine Serial Number
- b) Site Name
- c) Contact Name & Telephone Number
- d) Access Times
- e) Description of problem

When calling please try to avoid "Out Of Order", "It's Faulty" or "Not Washing Correctly" as the "Description of problem".

Maintenance & Servicing

1. A number of different types of service contract are available through Clenaware Systems or an approved/nominated agent.
2. All enquiries should be logged by calling: 01933 666244.
3. For further information or clarification on warranty and service please contact Clenaware Systems using the details on the last page of this document.

Disclaimer

1. Installation and commissioning of the Clenaware Systems machines should be carried out by Clenaware Systems or an approved/nominated agent in accordance with the Clenaware Systems requirements as detailed in the user manual. Failure to install and commission a machine in line with these requirements can invalidate the warranty.
2. As part of a process of ongoing innovation and brand development, Clenaware Systems reserves the right to change specifications without prior notice.
3. Brand Names, Trade Marks, Trade Names, Images and Drawings used in any documents relating to a Clenaware Systems product are for reference purposes only and should not be reproduced without the written permission of Clenaware Systems Ltd.



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