



WASHTECH®
PROFESSIONAL WASH SYSTEMS

**WARNING**

Before installation and commissioning, you must read the safety instructions and warnings carefully and all the warning labels attached to the equipment.

**IMPORTANT**

Failure to comply (even partially) with the instructions given in this manual will invalidate the product warranty and relieves the manufacturer of any responsibility

**IMPORTANT**

The alteration of machine operation, design or the replacement of parts not approved by the manufacturer may void warranties and approvals.

**IMPORTANT**

This machine is intended for commercial use only.

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We have checked that the contents of this document correspond to the model described. There may be discrepancies nevertheless, and no guarantee can be given that they are completely identical. The information contained in this document is reviewed regularly and any necessary changes will be included in the next edition. We welcome suggestions for improvement.

Specifications and document subject to change without prior notice.

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Service 1 800 622 216

Parts 1 800 337 963



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Safety Instructions



WARNING

Equipment contains dangerous voltages and can be hazardous if installed or operated incorrectly. Non-compliance with warnings or failure to follow the instructions contained in this manual can result in loss of life, severe personal injury or serious damage to property.

Installation

- Use qualified, skilled personnel
- Follow installation instructions
- Connect to correct voltage and supply current
- Provide fully accessible electrical Isolation Switch & water supply valves

Training and Supervision

- Read and understand the Operating instructions and train all staff
- This appliance must not be operated by children or infirm persons
- Machine panels must only be removed by suitably qualified and trained personnel – internal hazards include live electrics and very hot surfaces
- This appliance is not intended for use as a stepladder

Hot Surfaces

- Some surfaces may be hot or very hot

Chemicals

- Commercial dishwashing detergents are hazardous – handle with care
- Read and follow the safety information found on the labels of detergent containers and Material Safety Data Sheets
- Use protective eyewear and clothing if decanting containers

Hot Water

- Do not put hands in wash water which may be over 60°C and contain hazardous caustic detergent
- Rinse water can be over 90°C
- Door safety switches are designed for emergency use only

Cleaning

- Do not hose down the machine or splash water over the exterior
- Watch for broken glass etc when cleaning the inside of the machine

Service/repair

- Under no circumstances the user should attempt to carry out repairs
- All service/repair work must be carried out by qualified personnel only

Power Cord Replacement

- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard

Installation Checklist



WARNING

Installer must be suitably qualified and ensure compliance with all codes and standards including AS/NZS3500.1.

Unpack

- Unpack the machine, check for damage and complete delivery.

Positioning

- Place machine on sound waterproof self draining floor and adjust feet to level
- Allow room for adjacent chemical containers

Water

- Flush supply lines before connection
- Connect hose supplied to adjacent accessible isolator valve – 20 mm 3/4 male
- Flow rate required – 15 litres per minute
- Temperature – 65° C (Hot Water Supply)
- Consumption per cycle – 2.6 litres
- Pressure required – 200-350 kPa – fit limiter above this pressure
- Back Flow – Dual Check Valve (DCV) supplied with the machine
- Potable water quality is required – filter or soften if necessary

Power

- Machine shipped with cordset for 15 A 240V 50Hz via adjacent switched outlet.
- Easily upgradeable to single phase 25 A 240V 50Hz or three phase 15 A per phase 415V 50Hz

Waste

- Connect drain pump hose supplied to upstand or sink waste connection

Detergent

- Note that detergent is hazardous – read instructions and handle with care
- Insert hose into container of commercial dishwasher low foam detergent
- Refer operator procedures

Rinse Fluid

- Insert hose into adjacent container of commercial dishwasher rinse fluid
- Injector accessible via front panel. Factory setting is middle of half turn adjustment range from 0 to 1.3ml per litre of rinse water. A fine screw driver is required to adjust dosage.

Operation

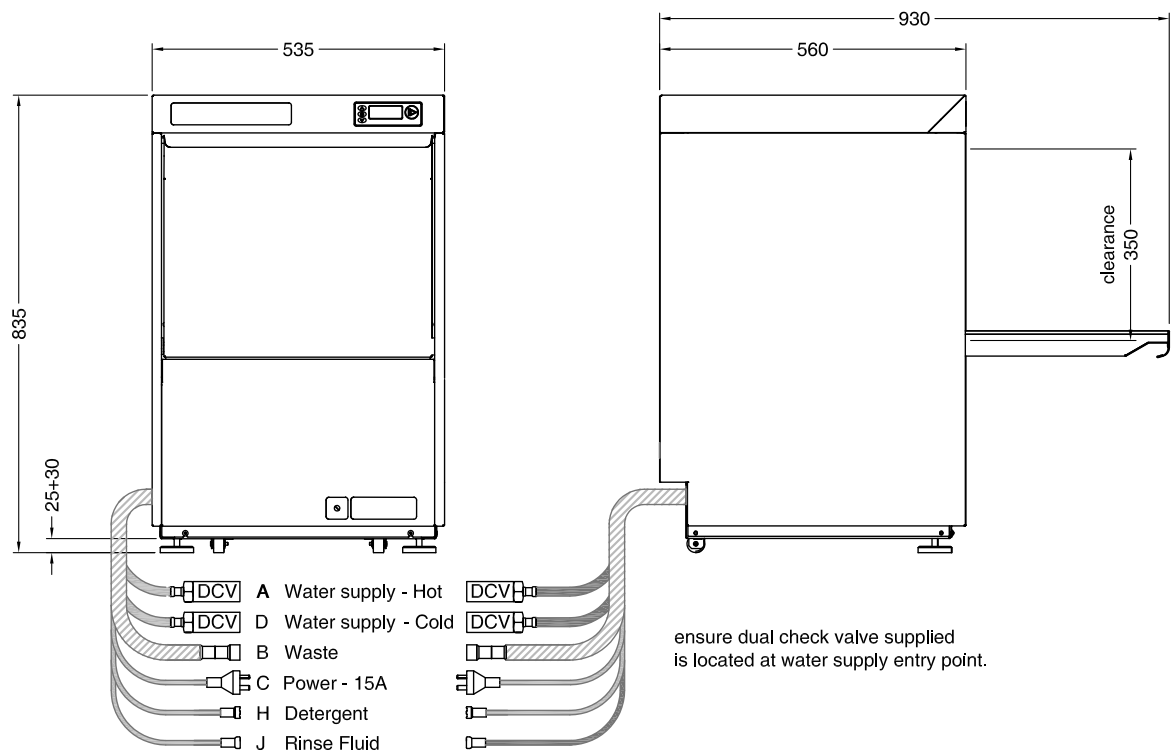
- Run several cycles, ensure that operator has read and understands instructions

Troubleshooting Installation

- If machine doesn't fill after switching on power, check & ensure that hot water supply tap is open, water supply pressure is not below specification and DCV is correctly installed as per arrow on DCV body.

GL Installation Diagram

GL INST 24-06-15 3F



GL Machine Operation

Turn machine on at wall. Fit scrap tray, filter, upstand and shut door.
Press On/Off Key for 3 Seconds

Start key glows white as machine fills. If door is open then the start key glows purple

Once full, rinse heating starts. Start key glows orange while heating. Machine can be started when machine is heating. NOTE: If rinse temperature is not sufficient cycle countdown will stop at 22 seconds if cold rinse is turned off. If cold rinse is turned on the countdown will stop at 25 seconds. Washing continues until rinse reaches temperature required for sanitization and countdown then resumes.

Start key glows green when machine is fully heated. For different cycles press the UP and DOWN arrows: Light, Medium, Heavy, Manual or Drain.

Close door/Press start key to start cycle. When manual cycle is selected machine will continue washing until START button is pressed. Rinsing and draining follow washing to complete cycle.

Start key glows red during cycle. Pressing Start key again terminates cycle without rinse. Timer counts down to double zero and flashes 00 at cycle end until door is opened.

SHUT DOWN - EVERY NIGHT

Press UP or DOWN keys to select Drain cycle. Remove drain upstand and shut the door. Press START key to start Drain cycle. Machine drains for 100 seconds with a cleaning rinse mid-cycle. When Draining is complete machine goes into Standby mode. Remove upstand, filter basket and scrap tray; rinse clean and replace.



DAILY CLEANING

The machine must be drained and cleaned at the end of each day.
Drain the machine as per the shut down instructions.
Remove, clean and replace filters.
Regularly check the wash and rinse jets and clean if necessary.

MAINTENANCE

Regular servicing of the dishwasher is essential for high performance, efficient operation and long machine life. Contact us for information on a maintenance programs.

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Operating Procedures

PRE-RINSING

Pre-scraping of dishes is required by Food Hygiene Regulations. The best method is to pre-rinse with warm water with a Fisher Pre-rinse Unit – or alternatively by scraping or dunking in water. Cutlery should be pre-soaked in warm water, preferably containing cutlery pre-soak compound – refer your chemical supplier.

RACKING PROCEDURES

Do not overload racks or cutlery containers, minimise the overlap of crockery. Wash cutlery unsorted, handles down. Cycle times are short and water consumption per cycle low – so there is no advantage in overloading racks.

CYCLE TIMES

The GL has a 1, 2, 3 minute cycle and extended manual cycle.

CHEMICAL

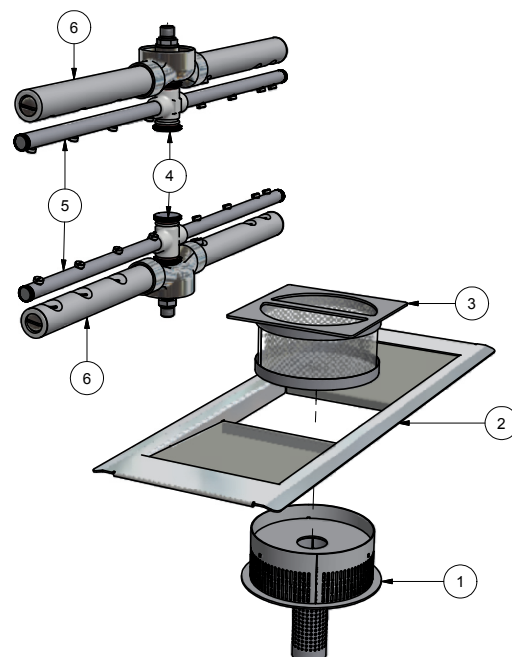
Correct type and quantity of detergent is essential for good results. Use good quality chemicals and regularly check containers. Discuss the use of drying agent and cutlery pre soak solution with your chemical supplier. Detergent concentration can be changed by adjusting dispensing time on the keypad (refer to page 8 User Programming). Prime detergent line by opening door with wash tank empty (at installation or after draining) then switch machine on. Detergent pump will operate and prime the line. Following priming, machine power must be switched off to reset for filling Rinse fluid is factory set to a low injection rate and will take many cycles to prime. The operator can adjust this via the adjusting screw on the front cover, refer service manual for detailed instructions.

DRYING

Single tank commercial dishwashers do not have a drying cycle. However, the machines do rinse at high temperatures which promotes fast drying particularly when drying agents are used. At the end of the cycle promptly remove the rack from the machine – leave the rack on the bench for 2 to 3 minutes before emptying.

REGULAR CLEANING – at least once a week

Remove filter basket (3), scrap tray (2) and wash filter (1). Remove wash (6) and rinse arms (5) by undoing the central thumbscrews (4). Inspect all jets – use toothpick or paperclip and remove arm end-caps if necessary to flush and clear. Clean and then replace all items.



Keypad Start Button Colours

Machine State	Colour
Door Open	Purple
Filling	White
Heating	Orange
Ready	Green
Ecopower	Blue
Washing	Red
Error	Flashing Red

User Programming

The **User Settings** menu is accessed for programming by pressing the UP and DOWN keys simultaneously for a few seconds. The programming options are specified in the table below:

User Settings	Factory Setting	Selection
Power Save	ON	ON/OFF
Cold Rinse	OFF	ON/OFF
Fill Detergent Injection Time	40	0 - 180 secs
Wash Detergent Injection Time	15	1 - 30
Display Contrast	27	10 - 40

Power Save function reduces the rinse temperature setting by 10°C when the machine is idle for 5 minutes or more. The temperature settings return to the set value when door is opened or START/STOP key is pressed.

QuickStart starts washing regardless of rinse temperature. If rinse temperature is not sufficient cycle countdown will stop before entering the rinse. Washing continues until rinse reaches temperature required for sanitization and countdown then resumes.

Troubleshooting

If an error message appears on the control display first try turning the machine OFF for 30 seconds and then back ON.

Display Code	Cause	Remedy
7. Fill Failure - wash tank not full after fill timeout	Check drain upstand fitted	Fit upstand before filling
	Check flow rate of water supply	Check water supply
8. Drain Failure	Drain hose jammed/blocked	Check/unblock drain hose
	Drain upstand not removed	Remove upstand before draining

If the error message remains call for service

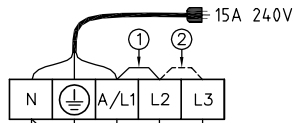
Troubleshooting

Fault	Cause	Remedy
Filling		
Not filling	Water supply valve shut	Check Water supply valve
	Door Switch not operating	Check Door is closed
Heating		
Dishes not hot enough	Rinsing but not hot	Check arms spinning freely
Cycle start		
Does not start	Door switch	Check door is closed
Cycle Finish		
Wash too long	Water supply cold	Check water temperature
Performance		
Poor wash result	Detergent not used	Use quality low foam product
	Overloading racks	Do not overload racks
	Not pre-rinsing	Use Fisher pre-rinse
	Wash arms not rotating	Remove and clean arms/check bushes
	Wash jets blocked	Remove arms and clean jets
	Excessive soiling	Pre-rinse/use long cycle
	Unrealistic expectation	E.g. baked on soiling requires pre-soaking
Poor rinse results	Rinse jets blocked	Remove arms and clean jets
	Rinse arms not turning	Remove arms, clean jets, check bushes
	Poor racking procedures	Do not overload racks
	Excessive wash tank soil build up	Pre-rinse, change wash water regularly
Not drying	Poor wash/rinse performance	Refer above
	Low temperatures	Check heating systems
	Drying agent not used	Use quality drying agent/rinse fluid
Foaming Wash	Excessive Rinse Fluid	Adjust Rinse Fluid Injector

GL 7 Wiring Diagram

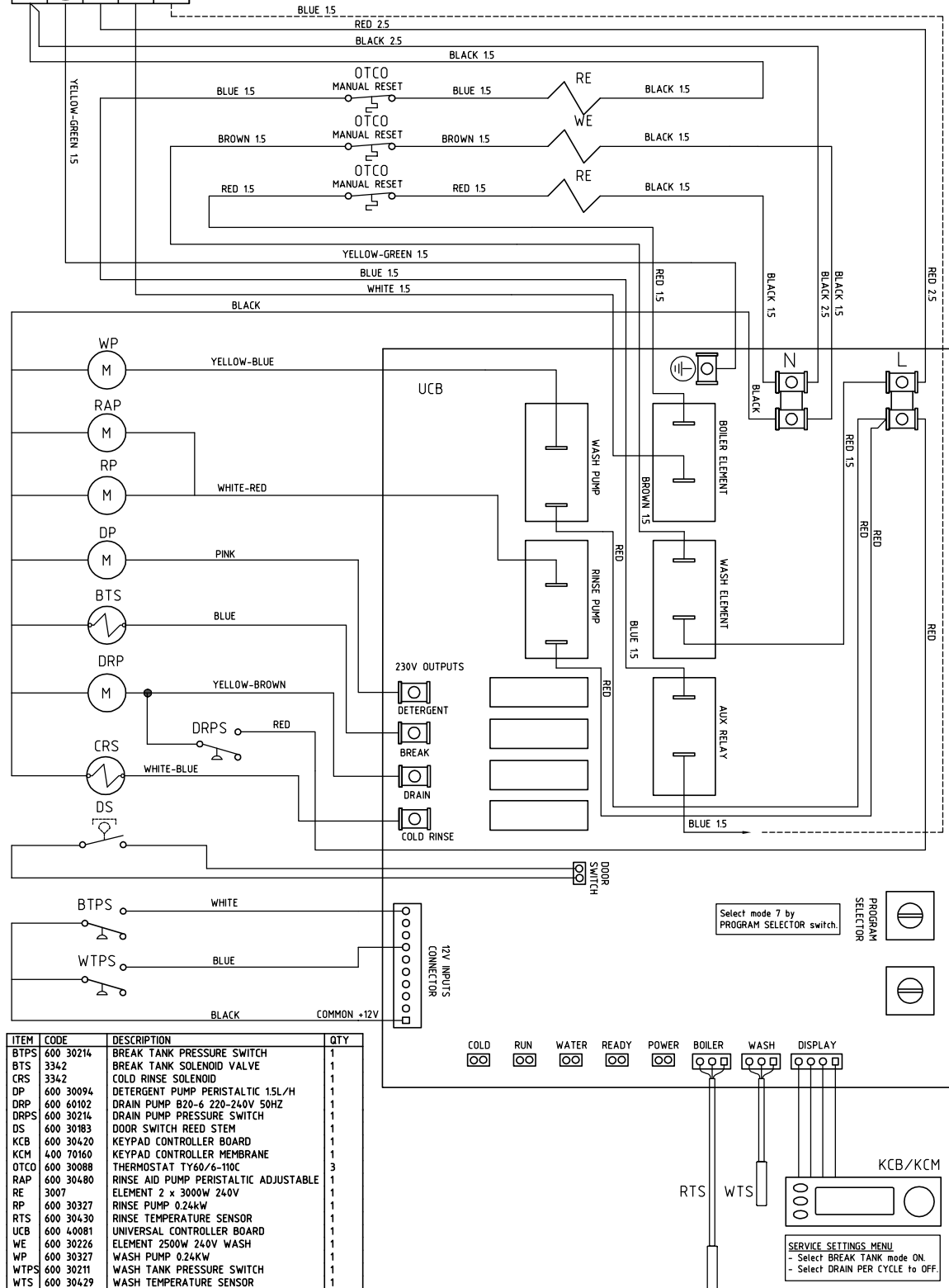
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POWER SUPPLY TERMINAL



IMPORTANT

- 1P 240V 15A - 3KW RINSE HEATING, STANDARD AS SHIPPED WITH 15A CORDSET AND LINK 1 FITTED.
- 1P 240V 25A - 6KW RINSE HEATING - REPLACE CORDSET WITH PROPER RATED CABLE FROM 25A SUPPLY CIRCUIT, FIT LINK 2 BETWEEN L2 & L3, THEN CONNECT BLUE 15MM WIRE (SUPPLIED) FROM AUX RELAY.
- 3P+N-E 415V 15A - 6KW RINSE HEATING - REPLACE CORDSET WITH PROPER RATED CABLE, REMOVE ALL LINKS, THEN CONNECT BLUE 15MM WIRE (SUPPLIED) FROM AUX RELAY.



Accessories

	Code	Description
	600 70080	Cuprack 450mm
	600 70081	Dishrack 450mm
	C660503	G Cutlery Container

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ISO9001

All Washtech products are designed and
manufactured by Washtech using the
internationally recognised ISO9001 quality
management system, covering design,
manufacture and final inspection, ensuring
consistent high quality at all times.

In line with policy to continually develop and
improve its products, Washtech Ltd reserves the
right to change specifications and design without
prior notice.

