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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.

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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 1800 622 216 Parts 1800 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
- 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
- Pump will prime as machine fills and then come up to strength with use

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.

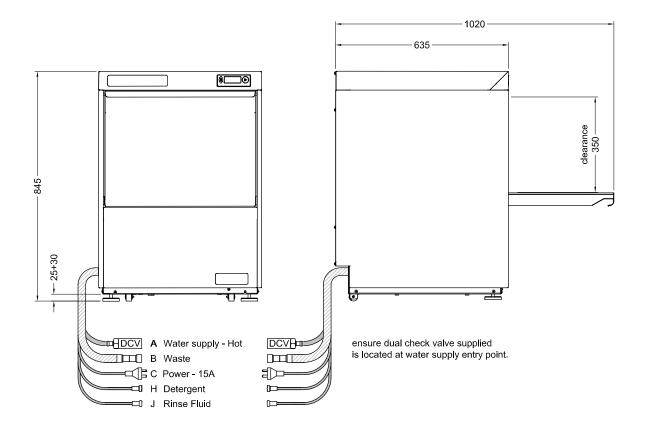
Operation

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.

UL Installation Diagram UL-S INST 16-10-14 3C



Keypad Operation

Turn machine on at wall, Fit wash filter, scrap tray, filter basket 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.. 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. 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 filter basket, scrap tray and wash filter; rinse clean and replace.



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Operating Pro

PRE-RINSING

Pre-scraping of dishes is required best method is to pre-rinse with N Pre-rinse Unit - or alternatively by

Cutlery should be pre-soaked in w cutlery pre-soak compound - refe

RACKING PROCEDURES

Do not overload racks or cutlery of crockery. Wash cutlery unsorted

Cycle times are short and water c there is no advantage in overloadi

CYCLE TIMES

The UL has a 1, 2, 3 minute cycle.

CHEMICAL

Correct type and quantity of dete Use good quality chemicals and re the use of drying agent and cutler chemical supplier. Detergent conadjusting dispensing time on the k Programming). Rinse Fluid is factor will take many cycles to prime. The adjusting screw on the front cove

DRYING

Single tank commercial dishwash However, the machines do rinse a promotes fast drying particularly

At the end of the cycle promptly r machine – leave the rack on the be emptying. This time will be reduce agent (rinse fluid) which reduces water to drain quickly from wash and injectors refer to your chemic





cedures

by Food Hygiene Regulations. The warm water with a Fisher acraping or dunking in water.

varm water, preferably containing er your chemical supplier.

ontainers, minimise the overlap d, handles down.

onsumption per cycle low – so ng racks.

rgent is essential for good results. Egularly check containers. Discuss by pre soak solution with your centration can be changed by seypad (refer to page 8 User bry set to a low injection rate, and he operator can adjust this via the r (refer service manual)

ers do not have a drying cycle. t high temperatures which when drying agents are used.

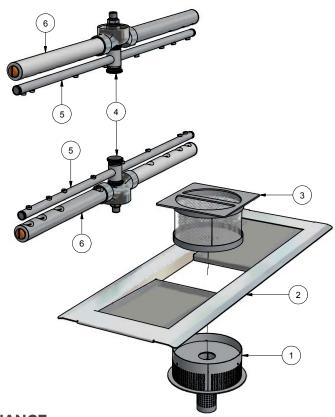
emove the rack from the ench for 2 to 3 minutes before ed with correct use of drying vater surface tension and allows ware. For advice on drying agents al supplier.

Care

DAILY CLEANING

It is essential that the machine is 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 – see below

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.



MAINTENANCE

Regular servicing of the dishwasher is essential for high performance, efficient operation and long machine life.

Contact us for information on maintenance contracts.



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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	Default	Selection
Power Save	ON	ON/OFF
Detergent Injection Time	12	5 - 30 secs
Display Contrast	27	10 - 40

Pow er 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.

Troubleshooting

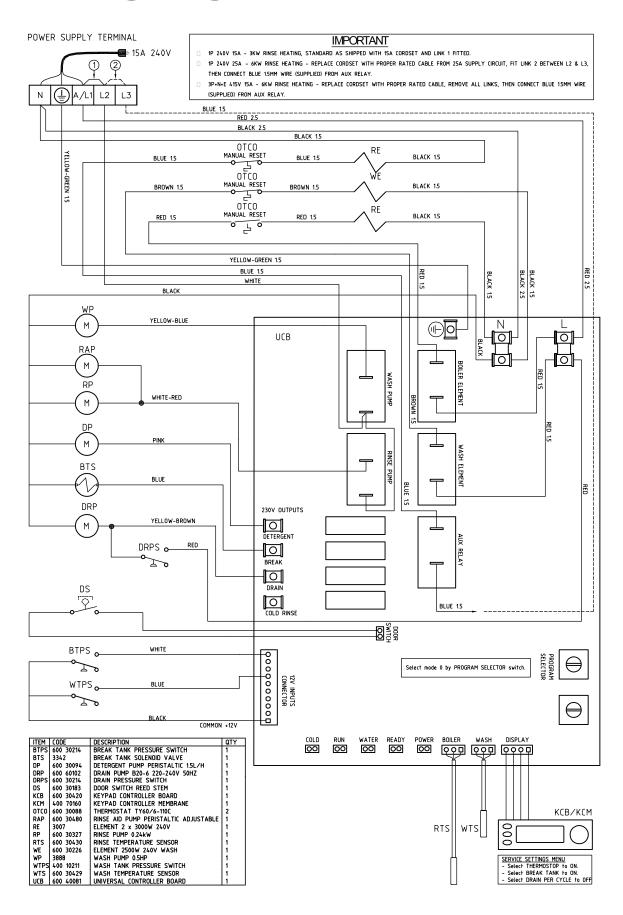
If an error message appears on the control display first try turning the machine OFF for 30 seconds and then back ON. If the error message remains then call for service with the exception of the following:

Di	splay Code	Cause	Remedy
7.	Fill Failure - wash tank not full after fill timeout	Check flow rate of water supply	Check water supply
8.	Drain Failure	Drain hose jammed/blocked	Check/unblock drain hose

Troubleshooting

Fault Filling	Cause	Remedy
Not filling	Water supply valve shut	Check Water supply valve
Hosting	Door Switch not operating	Check Door is closed
Heat ing Dishes not hot enough	Rinsing but not hot	Check arms spinning freely
Cycle start Does not start Cycle Finish	Door switch	Check door is closed
Wash too long	Water supply cold	Check water temperature
Perform ance		
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

UL Wiring Diagram



Accessories

	Code	Description
Carl Market	600 70029	Cuprack 500mm
	600 70028	Dishrack 500mm
	C660503	G Cutlery Container

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740 Springvale Roac Mulgrave 3170 Victoria

24HR Service 1 800 622 216 Parts 1 800 337 963

Tel 03 9518 3888 Fax 03 9518 3818

E-mail vsales@moffat.com.au web www.moffat.com.au

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