



STARLINE

PROFESSIONAL WASH SYSTEMS

CD 100 OPERATOR MANUAL

Washtech Limited 414 Rosebank Road PO Box 90-548 Phone: 09 829 0930 Fax: 09 829 0935 Auckland, New Zealand

CD100

CD100 INSTALLATION

Installation personnel must be suitably qualified and ensure compliance with all codes and standards. Install machine on sound self-draining floor and use adjustable feet to level machine. Bench work detail drawing available on request

Allow room for detergent to one side of machine or in adjacent cupboard. 20 litre containers require approx 450H x 250W x 350D but smaller containers are available from many suppliers.

A. WATER SUPPLY - HOT

- Temperature - 65 +/- 5 degrees C
- Pressure - 200-400kPa = 30-60Psi recommended.
- Consumption - 300 litres per hour approx.
- Connection - 20mm (3/4" BSP Male), FLUSH SUPPLY LINE before connection (point A on drawing

B. WASTE

40mm - refer point B on drawing. Direct waste pipe behind machine or through open area in base.

C. POWER

Must be 5 Wire 3 Phase, Neutral + earth 400/415V 25A/Ph 50Hz permanent wiring required via wall switch adjacent to machine.

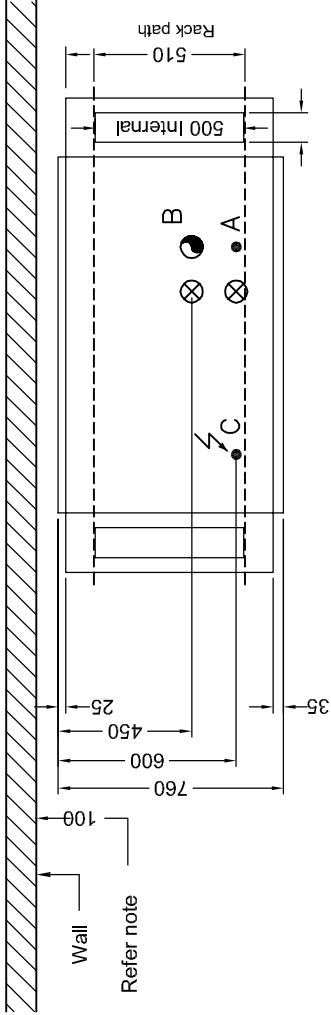
DETERGENT

Refer your professional chemical supplier for advice on wash and rinse chemicals and dispensers.

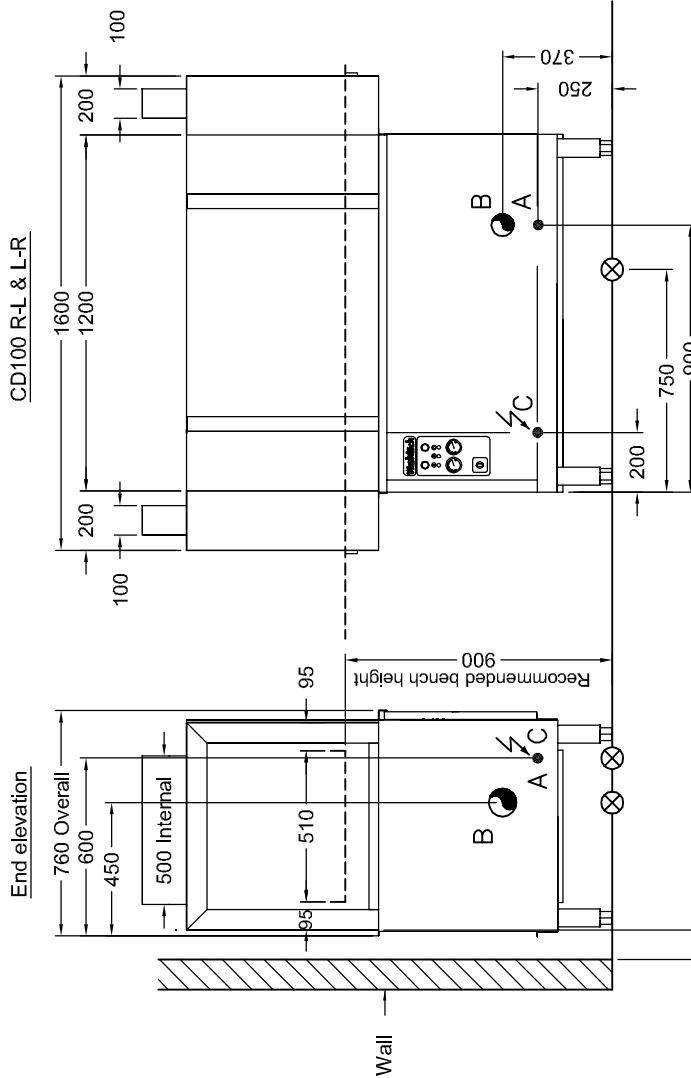
COMMISSIONING PROCEDURES:

Connect all services as above. Ensure that all internal machine components such as filter and drain upstand are in place. Turn on water and switch on power. Close machine door and switch machine on, machine will fill. When water sprays from rinse arms inside machine, switch machine off at wall. Remove lower front panel and switch commissioning switch by breaking label over same. Check rotation of wash pump and alter supply phase connections if necessary to achieve correct rotation. Close panel and switch machine on. Machine is now ready for use - refer operating instructions.

⊗ Shows recommended floor penetration position for waste and supply - in line with end elevation. Recommended minimum waste pipe, 2" BSP = Ø50mm



CD100 R-L & L-R



Recommended minimum of 100mm in which case all services can be located centred 50mm off wall, and bench depth = 750mm. Gap to wall may be reduced to 50mm and bench to 700mm but services must then come through floor in adjacent location as shown.



WASHTECH
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Description:
WASHTECH CD100 INSTALLATION DETAIL

ISSUE NO. **1** Rev. **C** Issue Date: 20-12-01 Drawing No: **CD100**

DO NOT SCALE - IF IN DOUBT ASK DWG SIZE A3 (390x265)

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.



PROFESSIONAL WASH SYSTEMS

Safe Installation and Use of Wash Equipment

As with all electrical and mechanical equipment dishwashing equipment can be hazardous if installed or operated incorrectly.

Installation

- ✓ Use qualified, skilled personnel
- ✓ Follow installation instructions
- ✓ Connect to correct voltage and supply current
- ✓ Provide fully accessible Electrical Isolation Switch

Training and Supervision

- ✓ Read and Understand the Operating instructions
- ✓ Train all staff.
- ✓ This appliance is not intended for use by young children.
- ✓ Young children should be supervised to ensure they do not play with the appliance.
- ✓ This appliance is not intended for use by infirm persons without supervision

Hot Surfaces

- ✓ Be aware some surfaces can be hot.

Chemicals

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

Hot Water

- ✓ Door safety switches are designed for emergency use only.
- ✓ **WAIT** for the green cycle light to go out before opening the door.
- ✓ Wash water is 60°C and contains caustic detergent so **DO NOT** put hands in wash water.

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 especially with glasswashers.

For further information on any of the above contact



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OPERATING INSTRUCTIONS

START UP

Fit drain upstand, wash pump inlet filter and scrap trays.
Shut door. Turn main switch ON - RED power light illuminates and machine fills.
When machine is full, filling automatically stops.

OPERATION

Press START button to commence operation.
When AMBER ready light is illuminated racks can be fed into the machine.

Note: Conveyor will not operate unless AMBER ready light is illuminated (i.e. machine is up to required temperature).

SHUT DOWN - IMPORTANT - EVERY NIGHT

Press STOP button.
Turn machine switch off.
Remove scrap trays and rinse clean.
Remove drain upstand to drain wash tank.
Remove wash pump inlet filter and rinse clean.
Replace drain upstand, filter and scrap trays.

We recommend regular removal and flushing of wash and rinse arms.
To remove wash arm assembly, lift to unhook and then withdraw.
To remove rinse arms, twist and withdraw.
Flush arms with water using a toothpick to clear jets, if necessary.
Refitting is the reverse of the removal procedure.

Use of correct type and quantities of detergent is essential to the effective operation of this machine. Alow foam specialty product is recommended.

For information on recommended detergent suppliers or local service agents, contact:

REV 1B
13/3/98

WASHTECH

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GETTING THE BEST RESULTS FROM YOUR DISHWASHER

1. Hot Water Supply

An adequate supply of water at the correct temperature and pressure is essential for effective operation of your machine. An inadequate hot water supply will result in significant time delays between operating cycles. Refer Installation information for detail. Water softening is recommended in hard water areas - especially for glasswashing.

2. 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.

3. Racking Procedures

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

4. Cycle Times

With multi-cycle machines select cycle 3 initially and switch to faster cycles only if necessary. Note that water consumption does not increase with longer cycles. For best results use the longest cycle whenever possible.

5. Detergent

Use of correct type and quantity of detergent is essential to the performance of the machine. Low foam specialty products are recommended. We strongly recommend that you use a professional dishmachine chemical supplier - and will be pleased to recommend a supplier in your region. Discuss with them the use of cutlery pre soak solution, detergent and drying agent.

6. Drying

Single tank commercial dishwashers do not have a drying cycle. However, the machines do rinse at high temperatures which promote fast drying particularly when drying agents are used. We recommend prompt removal of the rack from the machine - leave the rack on the bench for 2 to 3 minutes before emptying. This time will be reduced with correct use of drying agent (rinse fluid) which reduces water surface tension and allows water to drain quickly from washware. For advice on drying agents and injectors refer to your chemical supplier.

7. Daily Cleaning

It is essential that the machine is drained and cleaned at the end of each day. Drain the machine then remove, clean and replace filters as per the operating instructions. Regularly check the wash and rinse jets. Remove wash and rinse arms by undoing the central thumbscrew. (DO NOT remove the thumbscrew retainer plate if fitted). Flush arms with water and use a toothpick or paperclip, if necessary, to clear jets. On some models individual jets can be removed for cleaning by twisting anticlockwise. To remove the end plugs on these arms first remove the end jet then withdraw end plug. To flush the machine, leave the drain upstand out, close the door and switch the machine on for about 20 seconds. DO NOT leave the machine unattended during this process.

WARRANTY

WASHTECH warrants that new **STARLINE products** are free from defects in material or workmanship for a period of one year from the date of purchase.

EXTENT OF WARRANTY

- Washtech shall repair or, at its discretion, replace any part of the machine found to be defective.
- The labour for the repairing or the replacement of defective parts shall be provided during normal office hours at no cost to the user.
- Washtech shall not otherwise be liable for any other loss or damage arising out of any person's use or inability to use the machine.
- Washtech shall not be liable for the cost of work done outside normal office hours, and for travel costs outside regional centres.

CONDITIONS OF WARRANTY

This warranty shall not be binding on Washtech unless the warranty registration card is completed and received by Washtech within 30 days from the date of purchase

This warranty shall be void if:

- The equipment has not been properly installed.
- Any person other than an authorised Washtech Service Provider has undertaken repairs or attempts at repair.
- The equipment has not been operated and maintained in accordance with the Operator Manual.
- Damage has resulted from shipment, handling, fire, water, accident, abuse, detergent equipment fitted by others or any other event beyond the control of Washtech.

Any defect must be notified to Washtech or its authorised dealer within 30 days of the discovery of the defect.

IF YOU WISH TO MAKE A WARRANTY CLAIM

- First check the things you can do for yourself. Refer to the Operator Manual provided to ensure that the machine is correctly installed and that you are familiar with its operation. If a service technician calls and determines that the equipment is not defective you will be charged with the cost of the call-out.
- If you need service during the warranty period, first contact the dealer from whom you purchased the equipment. The Dealer will arrange service by Washtech or an authorised Starline Service Provider.
- If you have a problem contacting your dealer or if your dealer is unable to assist, then please contact the Service Department, Washtech, telephone 09 829 0923.
- When you write or call you will need to provide your name and address, the model and serial number (refer lower front cover) and the date of purchase so that your warranty claim may be validated.