



**PROJECT**  
**Glasswasher & Dishwasher**  
**User manual**

MODEL NO.....  
SERIAL NUMBER.....  
  
DATE OF PURCHASE.....  
DEALER/  
SUPPLIER.....

**PLEASE ENSURE WARRANTY  
REGISTRATION CARD IS COMPLETED AND  
RETURNED IN ORDER TO VALIDATE  
WARRANTY.**

For details see towards the rear of this manual

Dear Customer

Thank you for purchasing this Project glass washer or dishwasher. We are confident that you will have many years of trouble free use assuming you follow the instructions in this manual.

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**1. RECEIPT OF DELIVERY**

Upon receiving your glass washer or dishwasher it is important that you check the packaging and its contents. Any damage or shortages should be notified to your supplier immediately. Any delay may result in problems rectifying your claim.

When the machine is unboxed the following contents should be found:

1. Baskets  
(Glass washers 2 x glass baskets)  
(Dishwashers 1 x cup basket, 1 x plate rack, and 1 x cutlery basket)
2. Water connection hose
3. Drain hose
4. Wash pump filter (in position)
5. Drain plug (in position) (exc. Drain pump machine)
6. 2 x flat bed filters (exc. 350 mm basket machines)
7. Wash element cover (exc. 350 mm & 400 mm basket machines)
8. User manual

**Warranty Registration Card**

Distributor .....

.....

.....

.....

Date Supplied.....Tel no.....

Customer.....

.....

.....

Type of Appliance.....

Serial No.....

.....

PLEASE FILL IN, CUT OUT AND RETURN TO US AT THE FOLLOWING ADDRESS.

**PROJECT DISTRIBUTION LTD  
VICTORY WORKS  
NORTHAM ROAD  
BIRCHES HEAD  
HANLEY  
STOKE ON TRENT  
STAFFORDSHIRE  
ST1 6DA**

**APPENDIX 2**

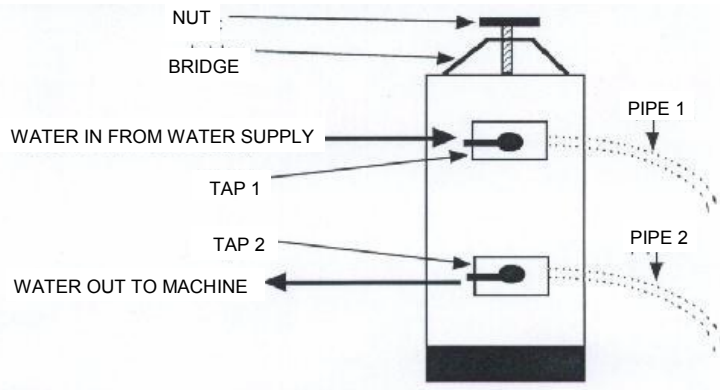
**WATER SOFTENERS**

The addition of a water softener will greatly enhance the operation of the glass or dishwasher where hard water is evident. As long as the softener is maintained correctly and frequently it will result in

- Better washing results
- Reduced detergent consumption
- Preventing lime scale build up
- Increasing the machines life expectancy

**OPERATION AND REGENERATION**

*This operation must be done at least once weekly*



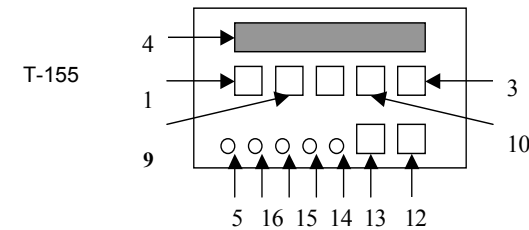
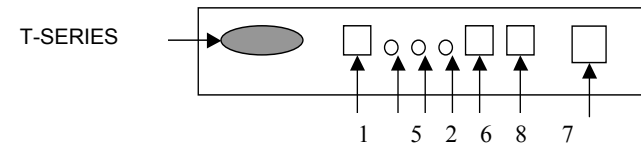
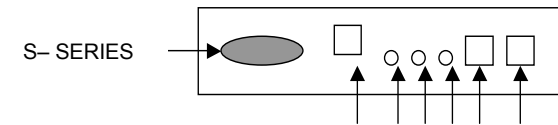
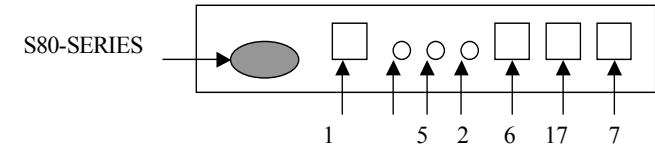
1. Ensure the clear pipes 1 & 2 are in a bucket or sink and turn taps 1 & 2 clockwise to the right. Water will come out of pipe 1 for a short while.
2. Release the upper nut and remove the bridge and cap to access the hole into which you can now pour the salt. (Do not remove the brown resin.)
3. Reassemble the cap and bridge and turn the top tap back to the left. Water will very slowly come out of pipe 2. Leave this for about half an hour until the water coming out does not taste of salt.
4. Turn the bottom tap back to the left. The water softener is now regenerated and ready for use.

**Machine salt and softener requirements:**

<b>E/S35</b>	<b>8LTR WATER SOFTENER</b>	<b>2 PINTS OF SALT</b>
<b>E/S/T40</b>	<b>8 LTR WATER SOFTENER</b>	<b>3 PINTS OF SALT</b>
<b>S/T50</b>	<b>16 LTR WATER SOFTENER</b>	<b>5 PINTS OF SALT</b>
<b>T155</b>	<b>16 LTR WATER SOFTENER</b>	<b>5 PINTS OF SALT</b>

Project reserve the right to change specification

**2. MACHINE SWITCH PANELS**



- |                                  |  |
|----------------------------------|--|
| 1. ON/OFF Switch                 | 12. Boiler Thermometer                       |
| 2. Temperature Indicator         | 13. Rinse aid Dispenser Indicator            |
| 3. Wash Cycle Switch             | 14. Detergent Dispenser Indicator (optional) |
| 4. Model Number                  | 15. Tank Temperature Indicator               |
| 5. Power On Indicator            | 16. Boiler Temperature Indicator             |
| 6. Wash/rinse Cycle Indicator    | 17. Continuous Washing selector              |
| 7. Drain switch (optional)       |  |
| 8. 2/4 min Selector Switch       |  |
| 9. Washing Time Selector         |  |
| 10. Drain pump switch (optional) |  |

**3. RATING PLATE (located bottom of left panel)**

The rating plate has the machine serial number located on it where it is marked "mtr no.". The serial number is very important, as it will be required in the event of breakdown or correspondence. Please enter the serial number and other information onto the front of this booklet for future reference.

Also on the rating plate is the electrical rating and required water pressures.

**4. FEATURES OF PROJECT GLASS AND DISHWASHERS**

The innovative cabinet design of the Project machines means that the wash tank is 30% of the size of a conventional commercial glass or dishwasher. Also the rinse tank is square and is directly under the wash tank. The combination of these two factors result in the following:

- reduced water, electricity and detergent consumption during initial fill
- reduced heat loss from the wash tank during stand by due to reduced water surface area
- efficient heat transfer from rinse to wash tanks (exc. T40, T155 and P Series)
- reduced heat loss from the rinse tank due to only the tank sides being exposed (exc. T40, T155 and P Series)
- easy access to components

Other features include:

- straightforward and robust design for reliability
- easy cleaning and minimal dirt traps
- secure centre locking nut
- easy pull out wash filter
- double check valve
- detergent dispenser
- secondary flatbed filter (exc. 350 mm basket machines)

Naturally, Project machines incorporate refinements of a commercial dishwasher including:

- automatic fill
- automatic rinse temperature control
- door safety switch
- automatic fixed time wash and rinse cycle
- Rinse aid dispenser

NB Project reserve the right to change specification

**APPENDIX 1****OPTIONS AND ACCESSORIES**

A number of options and accessories are available to compliment the operation of your Project glass or dishwasher.

**Project detergents**

To ensure the best results are available for glasses, plates, saucers and cutlery

**Machine stands**

A stand will bring the machine up to a working height or help raise the machine above the external drain

**Water softeners**

A range of water softeners are available for the different sizes of machines to reduce detergent loss, lime scale and increase the life expectancy of the machine.

**Rinse booster pumps**

In areas of low water pressure a booster pump may be installed

**Drain pump kit**

When the external drain is too high for natural drainage a drain pump may be fitted (exc. 350 mm basket machines)

***See your dealer for more details***

**Q Too much foam**

Problem – machine rinse water is not up to operating temperature

*Answer – give the machine sufficient time to heat up*

Problem – domestic detergent, poor quality detergents or other substance in the machine

*Answer – drain machine and thoroughly rinse through and ensure good quality detergents are being used as recommended by Project*

Problem – too much rinse aid or poor quality rinse aid

*Answer – reduce rinse aid intake and ensure good quality rinse aid is being used as recommended by Project*

**Q Beer going flat**

Problem – too much rinse aid or poor quality rinse aid

*Answer – reduce rinse aid intake and ensure good quality rinse aid is being used as recommended by Project*

**5. OPERATION****FILLING**

Make sure the drain plug (not used in automatic draining machines), filters and wash/rinse arms are all in position and the door firmly closed. Assuming the electrical and water supplies are switched on, switch the machine on with the ON/OFF switch. The machine will now fill with water to preset level then stop. The machine will now heat up which will take between 20-40 minutes.

**NB: On initial fill the temperature indicator will light up before this time , however it is advisable to wait the 20-40 minutes to allow the wash tank water to fully heat up.**

**Subsequent washes can be done when indicator is lit as per WASHING instructions below.**

**LOADING**

Load the basket with glasses or rack with plates.

Please glasses or cups upturned and evenly distributed. Try to avoid using the basket corners because the corner areas will receive less water.

Scrape or rinse any rubbish or debris from plates and then place in the rack with the faces of the plates facing down. Avoid the plates touching each other. Do not mix glass and dishes in the same machine.

**WASHING**

Ensure that the temperature indicator is lit to show that the machine is heated and ready to cycle. Load the basket into the machine and close the door, press and hold in the CYCLE START switch until the wash pump can be heard and the cycle indicator is lit. The cycle will normally take 2 minutes for a glass washer and 4 minutes for a dishwasher. When the cycle light goes out the door may be opened and the basket removed. NB beware of the steam and hot water when opening the door. The contents of the basket will come out hot and wet but will usually dry within a minute. The machine can now be loaded for another cycle.

**MANUAL DRAINING**

When you have finished using the machine turn off and remove the drain plug and the water will drain away. It is important that the machine is switched off before draining otherwise the machine will try to fill up again when the door is closed.

**AUTOMATIC PUMP DRAINING excluding T155**

To drain the machine open door, press drain switch until machine empty. Turn machine off, close door.

**AUTOMATIC PUMP DRAINING T155**

The T155 drain pump is activated automatically during the Rinse section for normal draining during the machine cycle.

To drain the machine at the end of a session, switch machine off at the on/off switch, remove drain plug, push and hold in the yellow start switch until machine is fully drained down, release yellow start button.

## **Isolate the machine from the mains and turn off the water supply once you have finished with the machine.**

### **1. MAINTENANCE**

#### DAILY

- Remove the drain plug (if applicable) and drain the wash water
- Remove filters, rinse and scrub to clean
- Wipe cabinet interior
- Check detergent levels

#### WEEKLY

- Do the daily regime
- Remove wash and rinse arms and clean thoroughly, ensuring jets are clear
- If fitted, regenerate water softener

If the above is not adhered to it will affect the washing performance of your machine and may also reduce the machine life expectancy.

### **1. PRECAUTIONS**

- Read this manual and follow the instructions
- Follow the daily and weekly maintenance regimes
- Only allow trained and authorized personnel to use the machine
- Only use Project approved detergents
- Always isolate machine from the mains before maintenance or before any panels are removed
- Do not use abrasive materials or chemicals for cleaning like wire wool, sandpaper, bleach or chlorine as these will damage internal components
- Do not use foaming products such as domestic washing up liquid
- Do not use dishwashing detergent on glasses and vice versa
- Do not abuse the machine such as standing on the open door

### **8. TROUBLESHOOTING**

#### **Q Machine will not switch on**

Problem – machine not turned on at mains or not connected to mains  
 Answer – *make sure machine is connected and the mains switched on*

Problem – fuse has blown  
 Answer – *replace with correctly rated fuse*

#### **Q Machine will not fill**

Problem – water not turned on or not connected  
 Answer – *make sure machine is connected to water supply and it is turned on (also if fitted ensure water softener taps in correct position)*

Problem – drain plug not in correctly (manual drain only)  
 Answer – *fit drain plug correctly*

#### **Q Machine will not drain or water coming through the door**

Problem – drain is blocked  
 Answer – *unblock drain*

Problem – external drain is higher than the base of the wash tank  
 Answer – *raise machine or lower drains. If these are not possible it will be necessary to fit a drain pump (see your dealer)*

#### **Q Plates/glasses not being washed properly or not drying**

Problem – filters and jets blocked or dirty water or water softener not regenerated due to daily/weekly regime not completed  
 Answer – *conduct daily and weekly regimes*

Problem – machine filling with hard water  
 Answer – *install or regenerate water softener*

Problem – not taking detergents correctly or problem with detergent  
 Answer – *1. Increase detergent intake*  
*2. Ensure ends of detergent tubes reach the bottom of the bottles are immersed in the detergents*  
 3. Ensure that the detergent tube is in the detergent bottle and the rinse aid tube in the rinse aid bottle  
*4. Use only good quality detergents as recommended by Project*

Problem – machine not up to operating temperature  
 Answer – *machine sufficient time to heat up*