



# Tealwash

## Installation & Operating Guide

**Teal Patents Ltd  
Unit 2 Waterloo Avenue  
Chelmsley Wood  
Birmingham  
B37 6QQ  
England**

**Tel: +44(0) 121 770 0593  
Fax: +44(0) 121 770 0385  
Website: [www.tealwash.com](http://www.tealwash.com)  
Email: [enquiries@tealwash.com](mailto:enquiries@tealwash.com)**

## Introduction:

Hot water hand washing anytime, anywhere. Advanced electronic control and tough materials provide a compact economic solution to the problem of mobile hand hygiene. Designed to aid in occupational health and safety requirements for operation in both 12 and 24volt vehicles.

## Features:

- Quick easy installation ~ 4 bolts, 2 wires
- Voltage sensing electronics ~ cannot flatten the battery.
- Fingertip operated hygienic spray tap with removable nozzle.
- More than 20, 12 second hand washes per filling.
- Fast heat up time
- Easy filling and cleaning.
- 5 litres capacity
- Double walled insulated tank and fixed folding bowl.
- Tell tale function indicator.
- Optional loose bowl.
- Accurate temperature control to  $46 \pm 2^{\circ} \text{C}$
- Automatic electronic control with a 'NO' water lockout and overheat thermal fuse.
- Versions for 12 and 24Volt power supply.

## Mounting the unit:

The unit is designed for both internal and external fitting. Using the template, locate on a vertical surface with clearance for filling, washing and wastewater disposal. Mount the unit using the bolts provided at the top and bottom flanges.

## Electrical connections:

Before installation, isolate the –ve earth battery terminal. All wiring must be **4mm Ø56/0.3 rated 35 amp**, protected from sources of abrasion and heat, ideally in a plastic conduit. BS6231 Tri rated cable is recommended.

**Red wire:** To +ve battery terminal through the 30-amp 12V or 20-amp 24V fuse supplied.

**Black wire:** To the negative terminal or a substantial chassis earth point ensuring a good contact. **Check that all connections are secure.**

## **NOT SUITABLE FOR USE WITH AN AUXILARY BATTERY**

### **Fill unit with water:**

Fill the unit with 5 litres of fresh water. Always check the water level before commencing a journey. Do not fill above the inner baffle.

### **Fully automatic operation:**

Make connection to the battery and the red LED will come on indicating that the unit is alive. The unit will only heat the water when the engine is running and the battery is fully charged. **No external switches are required.** The heater will cut out automatically when the water is up to temperature.

The bowl can now be folded down and water drawn off as required. Close the bowl and the water is run to waste or into the (optional) waste container. In freezing weather drain the unit overnight and at weekends.

**In the event of no water the lockout will operate and the telltale LED will flash. After refilling with water the unit must be reset. Remove the fuse and after 1 minute replace the fuse and the unit will reset and the red indicator will light up.**

### **Important installation information:**

- The fuse holder supplied must be fitted in the red +ve wire.
- Suitable for –ve earth vehicles only, fitted across the main battery **not** an auxiliary.
- **All wiring connections must be secure and kept short as practically possible to prevent voltage drop affecting the electronic control.**
- Ensure vehicle voltage is suited to the hand wash unit supplied.
- Ensure that approved electrical practice is followed when installing the unit.

**Failure to comply with these fitting instructions will invalidate the manufacturers warranty and may damage the unit and vehicle wiring.**

## **The Water in this unit is not suitable for drinking.**

Technical Specification	
Dimensions:	Width 300 mm Height 440 mm, 665 with bowl & lid open. Depth 232 mm, 360 with bowl open.
Voltage:	12v unit – 18 Amp at 14 Volt DC 24v unit – 12.5 Amp at 27 Volt DC
Water capacity:	5 Litres
Water temperature: Heating time:	46° C max For 1st hand wash approx 15 minutes. (From 15° to 46°)
Weight:	4.7Kg Empty 9.7Kg Full

## **Options & spares**

Loose bowl	LB1		
20 Amp Fuse & holder	IE17/01		
30 Amp Fuse & holder	IE24/01		
10 Litre waste Container	10L/WC		