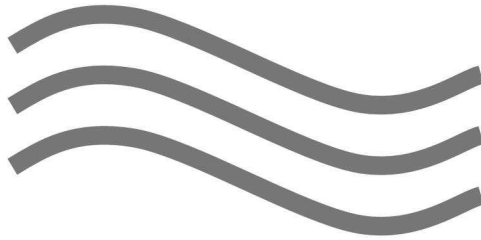


Hotshot Handwash

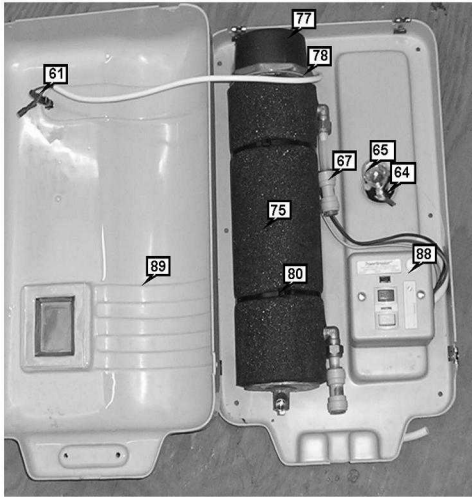


OPERATING & INSTALLATION INSTRUCTIONS

IMPORTANT:

**This booklet is to be given to the customer after
installation and demonstration.**

240v



- 67 **3/8" Parallel connector**
- 75 **75mm Heater canister complete 240v**
- 77 **Thermostat 11"**
- 78 **240v Heater element**
- 80 **300mm Fastening strap**
- 88 **13A RCD twin pole**
- 89 **Handwash case moulding (2005)**

How HOTSHOT works

Cold water is pumped from the supply in the existing Water tank, using the existing foot / hand pump. The cold water enters the heater tank at the bottom. A Heater full of cold water will switch the thermostat to allow the element to heat the water. When all the tank is hot the thermostat will switch the heater off. When cold water is pumped in at the bottom an equal volume of hot water exits the tank from the top. This travels the 3/8" plastic pipe to spray out of the fawcett. When sufficient cold water has been pumped into the tank, the thermostat will once again switch the heater on. In extreme circumstances, should the thermostat fail to turn the heater off, an overheat trip cuts the heater off at 95oC. This needs to be manually reset if it is tripped.

Specification

Water temperature 35oC +/- 5oC
Voltage (European) 240 volts
Power 3.0 kw 50Hz
Reheat from cold 40 seconds
This unit has been tested to recommended regulations. We recommend regular testing the PSE standards

Installation Procedure

This unit MUST be installed by a qualified Electrician.

Remove the cover by releasing the four screws in the walls of the unit, and the two screws in the base pipe clamp. Unplug the neon indicator by separating the connectors. Offer the unit against the wall of the toilet and identify where the cable leaves the Hotshot unit. Drill a 10mm hole in the toilet wall and thread the cable through. The unit must now be fixed to the wall, then the plumbing must be connected up. Do not switch on until the Heater is full of water

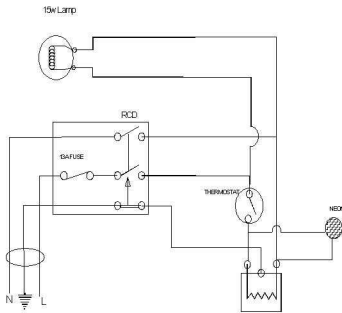
Plumbing

The Hotshot has two short pipes & connectors. The blue is the cold water inlet, the red is the hot water outlet. Remove the rivets holding the sink in position and identify the pipe coming from the pump to the Fawcett. Cut this pipe at the Pump end, and using the parallel connector provided, connect to the Hotshot's red pipe. Then connect the Filter pipe provided from the Sink Pump outlet to the HOTSHOT blue connector. This pipe must have the Valve closer to the HOTSHOT, and the Filter closer to the Pump.

Electrical connections

The Hotshot cable should be fitted through a drilled hole in the wall of the toilet. Ensure chaffing will not damage the cable. To the end of the cable we recommended fitting a 16A wall mounted coupler. No excess cable should be visible. The power supply must be of the correct voltage and power.

This Appliance MUST BE EARTHED



Wiring Diagram 240v Handwash

Commissioning

Do not connect to a power supply until the Hotshot is fully commissioned.

First, fill the Sink tank with clean water. Then prime the Hotshot by pumping the Foot pump. This usually takes about 15 pumps, depending on pipe lengths and height arrangements. Water will flow freely from the Fawcett once it is primed. You can then plug the unit into a suitable power supply. Now turn the power on using the main power switch. If the supply is on the Neon indicator will light.

The thermostat in the HOTSHOT is preset. In the event of a problem, when the thermostat fails and the water boils, there is a manual Overheat trip.

Now you must wait about 40 seconds. After this time the water will be hot and ready to use.

If you wish to drain the Hotshot, connect a hose to the drain cock - normal 1/2" hosepipe will do. Then release the valve and let the water out. Remember to tighten the cock up again once finished.

There is a valve in line to the cold inlet. Clean water must always be used with the Hotshot to avoid damaging this valve.

Maintenance

The HOTSHOT HANDWASH needs to be maintained on a regular basis. Electrical and operational checks must be made by a qualified technician.

Always turn the power supply off and disconnect before removing the top case.

Special note

If the HOTSHOT is being retro-fitted to an older Toilet, please completely flush out the Sink tank with CLEAN WATER. The HOTSHOT will not work with dirty water

FREQUENTLY ASKED QUESTIONS

No Water flows when I pump

Is there water in the tank?
Has the heater been fully primed
Check the pipes have been connected
Is the Foot pump damaged?
Has the pipe work been blocked by dirt in the water

The power is on but there's no hot water

Re-prime the unit—cold water turns the thermostat on.
Check the Thermostat setting is at 40oC
Check the overheat button on the Thermostat.
Have you waited for 90 seconds for it to warm up.

The power isn't on.

Has the Fuse blown?
Is the RCD turned on?

The water is too hot.

Reset the thermostat, only a little at a time.

What do I do if it freezes

Leave the unit switched on, OR
If you want to switch the unit off it must be fully drained

What if the tank runs out of water

Switch the unit off immediately.
Refill the tank

GUARANTEE

We will supply, free of charge, a direct replacement on receipt of a faulty unit or component, up to 6 months from date of supply. We will cover any manufacturing faults or component faults.

The Guarantee does not cover:

- Cost of fitting a replacement unit.
- Units damaged by neglect.
- Wilful damage
- Damage in transit.
- Frost or weather damage.

We do not accept responsibility for third party damage.

All units must be installed by a qualified electrician. In case of claims, the installer's signature will be needed.

Designed & Manufactured by RLT (Design) Ltd, York England.

UK Distributor PolyJohn UK Ltd, Equinox 1, Audby lane, Wetherby, Yorks, tel 01937 583333

USA Distributor: PolyJohn Enterprises, 2500 Gaspar Ave., Whiting Indiana 46394-2175. tel 01 219 659 1152

Certificate of Conformity

EC Conformity declaration

- | | |
|------------------------------|--|
| 1. Category | Hotshot Handwash 240v—
Storage Heater for Handwash |
| 2. Item Model | HSHW240 |
| 3. Water Temperature | 40°C |
| 4. Supply power | 240v 50hz, 3.0kw |
| 5. Manufacturer | RLT Design Ltd
North Lane, Malton Rd, York
YO32 9SU |
| 6. Serial no: | See top of case |
| 7. This product conforms to: | Low Voltage directive 73/23/EEC
Specification for electrical appliances—BS EN 60335-2-21
RCD directive BS EN 61008-1 |

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Andrew M Tagg
- Director