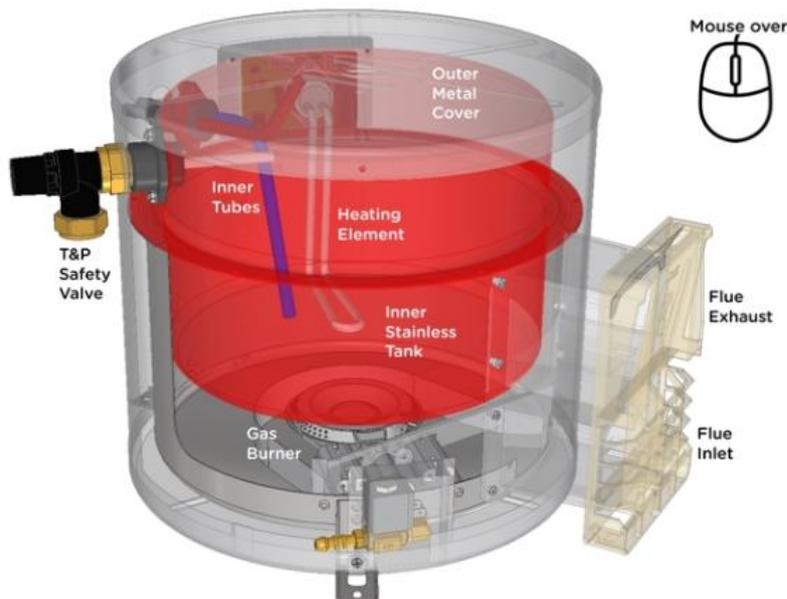




User's manual

1. Operating of Hansen GE3 Gas/electric water heater



NB – Ensure that the water heater is filled up with potable water before switching it on.

Switching on gas operation

- ✓ Ensure the gas supply bottle is full and opened
- ✓ Select gas mode on the switch control panel
- ✓ Switch to the on position
- ✓ Led mode - (Slow) flashing - unit in start up mode
- ✓ Led mode - (Solid) gas burner is on & heating water
- ✓ Led mode - (Fast) flashing burner- failed to start
- ✓ Led mode - (Off) standby - water hot

Water should reach set temperature 65°C in approximately 35 minutes.

Switching off gas operation

- ✓ Switch off the water heater to off position on the control panel.
- ✓ If the water heater is not to be used for a long period, mount the flue cover (non observance of this point can lead to the function of the appliance being impaired through water, dirt or insects, close the gas supply line and the gas cylinder. Before setting off on any journey, fit the flue cover with the water heater switched off. Please ensure that it is secure and has locked into place. Defective flue cover must not be used

Electrical operation

Operate the water heater without water in it

- ✓ Ensure AC power supply is present
- ✓ Switch electric mode on the switch panel.
- ✓ Switch to the on position on the switch control panel.
- ✓ Led mode - (solid) electric element on heating water.
- ✓ Led mode - (off) Standby - water hot.

Sanitation of geyser

Use wine vinegar into the appliance via the water supply.

- a. Measure 100mm of wine vinegar into measuring cup.
- b. Mix vinegar within a container of water.
- c. Pour the solution (water/vinegar) into the tank and fill the tank up with potable water.
- d. Open **only hot** faucet allowing the water to run until the distinct odour of vinegar is detected.
- e. Leave the solution in the geyser for a few hours.
- f. Rinse the tank properly by emptying the tank and then letting fresh water to run through the system until the distinct odour of vinegar is not detected anymore.

Do not use products containing chlorine. In order to avoid the colonization of micro-organisms, heat up the water heater to 70°C at regular intervals.

Fuses

The control board has a 2 amp mini type blade fuse. This should only be replaced with a fuse of the same rating.

Fault Finding

Gas operation

When switching on, the heater does not operate –

- ✓ No 12 v supply
 - Check the power supply (operation voltage min 10.5 V)
 - Check the control board fuse

When switching on, the heater does not operate and the red lamp lights up after approximately 30 seconds.

- ✓ Cowl cover fitted
- ✓ Air in the gas supply
- ✓ No gas supply – Gas bottle empty or faulty gas regulator
- ✓ Incorrect gas pressure
 - Remove flue cover and or clear any obstruction. (Black cover on outside of trailer)
 - Check gas regulator and gas bottle - Test geyser on different regulator and geyser.
 - To unlock (and purge air), switch off the appliance, wait 5 minutes, and switch on again

Heater operates for a long time and then the red lamp lights up.

- ✓ Over temperature thermostat operated.
 - Check water content, refill if required.
 - To unlock, switch off the appliance, wait 5 minutes and switch on again.

Electrical operation

When switching on the water heater does not operate.

- ✓ No 220 V supply voltage
- ✓ Over temperature thermostat operated
 - Connect the trailer to the sites supply and or check residual current circuit breaker.
 - Check water content, refill if required.
 - The electrical heating element is fitted with an excess temperature cut out. In the event of a fault, switch off at the control panel wait 10 minutes then switch on again.