

HYGIENE STATION

OPERATING & INSTALLATION INSTRUCTIONS



AUTOFLO LTD

Willow Park, Childswickham, Worcs. WR12 7HY.

Email sales@autoflo.co.uk

Telephone 01386 853284. Fax 01386 854636

HOW THE AUTOFLO HYGIENE HANDWASH STATION WORKS

The Autoflo Hygiene Station operates by the use of an infra-red beam situated on the Autosensor which, when detected by your hand, switches on the water to the unit.



It can be turned off by this method. However, if no signal is received, then the unit will switch itself off after 20 seconds.

1. The water is then heated instantaneously as it flows over the element.
2. The required water temperature is achieved by adjusting the flow rate, by turning the flow control knob on the Autosensor.

The temperature of the incoming water can vary considerably throughout the year, from 5°C to 20°C. This means in winter the water flow rate will be less than in the summer to achieve the same required temperature.

The heating element is only switched on when sufficient water is flowing. This is done automatically with a pressure switch.



If the water supply pressure falls to a level where the stabiliser can no longer control the flow within limits, the pressure switch will operate and switch the power off to the element. The flow of water is automatically held at the level set by the user, even though the supply pressure may vary. This is achieved with the use of a stabiliser which is built into the flow control valve.



A thermal Cut-Out is fitted on top of the copper cylinder; this is a safety device to switch off the power if

the water temperature climbs above a set limit. The switch will automatically reset when cold water is run through the unit. The green LED indicator light illuminates when the element is in operation and heating water.

INSTALLATION PROCEDURE

WARNING: Do not install the unit where it may be subject to freezing.

The installation should be conducted by qualified and competent person and must conform to all current national and local electrical regulations. We recommend that the installation is done in the following sequence.

(a) ELECTRICAL CONNECTIONS

Remove the Autosensor cover. The retaining screw is located on the underside of the autosensor next to the outlet spout, lift off the front cover. Unscrew the cable clamp to allow the cable to enter.

The entry position for the cable is found at the right-hand side of the back plate. The cable entry is through a rubber grommet and cable gland.

The electrical requirements are:

UK: 240V, 13amps, 1.5mm² conductor for the 3.0kW unit

Overseas: 220V or 240V, 15amps, 1.5mm² conductor for the 3.0kW unit.

In order to provide means of isolation the heater must be permanently connected to a double linked switch with a contact separation of at least 3mm and mounted in a convenient position.

Cut back the outer insulation of cable to 44mm, and remove 8mm of inner insulation then feed the mains cable through the cable gland and connect the cable to the terminal block making sure that the screws are VERY tight.

(b) FIXING THE UNIT TO THE WALL

The unit must be installed in a vertical position. Mark the position of the six fixing holes then drill the wall to fix the unit to the wall.

(c) PLUMBING

The heater should be connected to the main cold water supply having a minimum running pressure of 0.69 bar (10psi/69kPa) and a maximum of 6.9 bar (100psi/690kPa). The heater can be fed from a storage tank provided this has a minimum head of 7 metres (23 feet).

The inlet connection is located at the base of the back plate.



In the UK a 15mm copper or plastic pipe is fitted into the push-fit connector. For Overseas a 15mm to 1/2" BSP male Euro hose tail insert is provided. This is to be fitted into the push-fit connector.

In all cases it is recommended that a water council listed isolating valve is fitted between the rising main and the push-fit connector. This is to allow the unit to be serviced without having to turn off the water at the main stop valve.

The Autosensor is designed to have an open outlet and should only be used with the fittings supplied.

WARNING: Do not fit a tap on the outlet.

(d) COMMISSIONING

Replace the front cover and fasten. Insert the flow control knob.

To check the operation of the unit place your hand in front of sensor (approx. 50mm [2"] away), the unit will operate. To adjust the water temperature required, turn the flow control knob clockwise or anti-clockwise to suit. Restart the unit checking that the temperature is comfortable and that the autosensor turns off after a 20 second period.

Possible operational concerns:

| | | |
|-----------------------------------|--|--|
| Water too HOT | Increase water flow. Increase pressure of water supply. | Turn flow control knob anti-clockwise until the correct temperature is reached. Fully open stop cock. |
| Water too COLD | Decrease water flow. | Turn flow control knob clockwise until the correct temperature is reached. |
| Water takes longer to heat up | Thermal cut-out operated after previous use. | Will automatically reset when cools down. |
| Water flow stops while using unit | Unit automatically timed out (20 secs) | Re-activate by passing hand in front of unit. |

PROFESSIONAL SERVICE

If the previous checks fail to resolve any unit operation issues you should seek help from a competent person. The person who installed the unit is probably the best one to repair it and is certainly the person to contact if you

have a problem in the guarantee period. The following additional check list is provided for their benefit.

WARNING: Switch off the electricity at the isolating switch before removing the cover to make checks.

| | |
|------------------------------|--|
| Water too COLD | Check circuit through thermal cut-out. Check circuit through microswitch(es) on pressure switch. Check element circuit. Check tightness of electrical connectors. |
| Water too HOT | Remove and check inlet filter of solenoid valve. Clean if necessary. |
| Water leak from tube at base | Pressure relief blown. Check for cause of high pressure and remove it. Replace the pressure relief disc. |

AUTOFLO SERVICE

We offer a technical advisory service on the telephone to contractors and other customers with problems in the field.

RING: 00 44(0) 1386 853284

HOW TO USE THE AUTOFLO HYGIENE STATION

To operate the Autoflo Hygiene Station, pass your hand in front of the green sensor lens. It can also be turned off the same way. The Autosensor will automatically turn off after about 20 seconds.

In a majority of cases the unit will provide a suitable water temperature for washing hands. However, in extreme conditions, i.e. mid-winter or summer, the flow can be adjusted to suit, clockwise for warmer or anti-clockwise for cooler. A few seconds should be allowed for the water to reach a steady state. The green LED indicator on the front of the Autosensor shows when the heating element is working. The vortex sprayhead that is supplied with the Autosensor requires very little maintenance.

WARNING: Do not switch the unit on if you suspect it to be frozen. Wait until you are sure that it has completely thawed out before attempting to operate the unit.

GUARANTEE

We, Autoflo, guarantee that should this Hygiene Station prove to be defective by reason of faulty workmanship or material within two years of the date of purchase we will replace the defective parts FREE OF CHARGE on condition that:

1. The appliance has been correctly installed and used only on the supply circuit or voltage stamped on the rating plate.
2. The appliance has been used in accordance with these instructions and has not been tampered with or otherwise subject to misuse, neglect or accident.
3. The appliance has not been taken apart, modified or repaired except by a person authorised by us.
4. EVIDENCE of the date of purchase in the form of an invoice. Receipt is included with the appliance if returned under guarantee.