

**STREAMLINE™**

**SAFELY CLEANING AT HEIGHT**

# INSTRUCTION MANUAL

**HEATWAVE™**

**Codes:**

THERMO 2-D

**Kit Includes:**

1x HEATWAVE™ Thermo 2



INSTR-THERMO-2

## STREAMLINE® Warranty

The warranty on all Machines and Equipment is for 1 year (12-months) from RECORDED DATE OF PURCHASE.

THIS WARRANTY EXCLUDES NORMAL MAINTENANCE ITEMS, including but not limited to HOSES, FILTERS, O-RINGS, DIAPHRAGMS, VALVES, GASKETS, CARBON BRUSHES and damage to motors and other components as a result of failure to replace normal maintenance items. THIS LIST IS NOT EXHAUSTIVE.

If **STREAMLINE®** receives notice of such defects during the warranty period, **STREAMLINE®** will either, at its opinion, repair or replace components which prove to be defective.

Replacement parts will only be supplied under warranty, upon the inspection and approval of the defective parts by **STREAMLINE®**.

Should it be necessary to supply replacement parts before the opportunity to inspect, these will be charged at current prices and credit will only be issued upon subsequent inspection and warranty approval by **STREAMLINE®**.

The customer is responsible for the cost of return of the defective part. If warranty is approved, **STREAMLINE®** will pay for the cost of the repaired or replacement part.

This warranty excludes the following conditions and circumstances which are at the discretion of **STREAMLINE®**:

Wear and tear, misuse, abuse improper maintenance, frost damage, the use of chemicals other than those supplied or approved by **STREAMLINE®**, improper installation or repair, unauthorised modification, incidental or consequential costs, loss or damage, service, labour or third party charges, the cost of returning defective parts to **STREAMLINE®**.

This warranty constitutes the exclusive remedy of any purchaser of a **STREAMLINE®** unit and is in lieu of all other warranties, express or implied, including without limitation any implied warranty of merchantability or fitness for use, to the fullest extent permitted by law. In no event shall any implied warranty of merchantability or fitness for use exceed the term of the applicable warranty stated above and **STREAMLINE®** shall have no other obligation or liability.

### Important

Unfortunately these rights cannot be transferred to a third party.



## Why STREAMLINE®?

### Flexibility

- **STREAMLINE®** systems can be built according to customers' exact requirements
- For non-standard systems, the user's needs or specifications are listened to and turned into reality.

### Quality

- Whilst price is important, quality is remembered long after price is forgotten
- We insist on sourcing brand name products from around the world, only of a reputable quality, and bring them together under the **STREAMLINE®** name
- All **STREAMLINE®** products carry a full one year's warranty, according to the manufacturers' standard terms and conditions of sale.

### Service

- We have an in-house technical helpline able to answer most of your questions relating to the capabilities and functionalities of all **STREAMLINE®** products
- If we get it wrong, we will put it right. If you are sent a wrong item, we will immediately attend to sending you the correct item and arrange a collection of the wrong item without any quibbles
- **STREAMLINE®** is backed by a comprehensive range with massive stocks providing you with a 'one stop shop' for all your requirements.



**MANUFACTURED  
IN THE  
UNITED KINGDOM**



**CHECKED AND  
TESTED BY  
QUALITY CONTROL**

## Thank you for purchasing a STREAMLINE® Hot Water System

Your system has been assembled and tested by our team at **STREAMLINE®**. Your system is ready to go! Heatwave water systems use diesel either from the fuel tank or a separate fuel tank and 12 power source. The greatest benefit of this superb kit is reduced cleaning times, as hot water cuts through dirt, snail trails fly spots, spider webs etc. far easier than cold water. When cleaning windows, remember to pay special attention to the frames, especially if it is the first time this method of window cleaning is being used. The most important part of the cleaning process is the rinsing, after the window has been cleaned. To do this, lift the brush away from the glass and move the head from side to side working from top to bottom, allowing the water to create a sheet, therefore rinsing the glass. Extra care must be taken if the water refuses to 'sheet', as this makes rinsing successfully more difficult. If you are cleaning windows on a warm day, the rinsing procedure must be done meticulously, as warm, direct sunlight can cause spotting, due to insufficient rinsing.

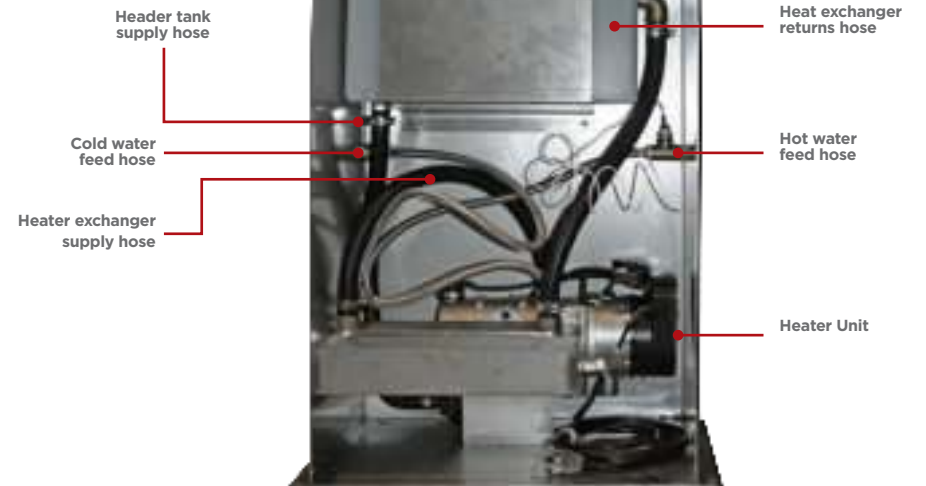


## About the HEATWAVE™ Thermo 2-D

### Outside the HEATWAVE™







### Inside the HEATWAVE™



## About the HEATWAVE™ Thermo 2-D

### Instructions for use


To operate the THERMO2-D, you must ensure the SFC6 Red Thermo Controller is switched 'on', and the Heater Setting in the controller is turned 'on'.

- To do this press the  and  arrows together for 2 seconds. A message "HTR" will show on the screen which means you have entered the Heater Setting mode. Press  to switch this on and  to set.







(For more information about the SFC6 controller, please see the specification sheet attached.)

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### Once the controller is turned on, you are able to use the HEATWAVE™

- Whilst the vehicle engine is running, turn the THERMO2-D 'on' by the left hand switch on the front cover.
- The heater will perform its own test functions for a few seconds and the fuel pump will begin to pulse drawing in fuel. This may take a few minutes.
- Allow the heater to warm up for approx. 10 minutes.
- Switch on the pure water pumps by the  arrow on the controllers and test the water temperature. Allow a few minutes for the cold water in the hose reel to be displaced.
- If the Heatwave™ is used with a single operator or in cold conditions (below 10 degrees) it is advised to run the Heatwave™ on a colder setting. This is a safety protection to prevent water that is too hot being used on the glass which could result in damaging the glass. This mode is switched on by switching the right hand Red Toggle switch on the front cover on.

### Anti frost mode

- To enter anti-frost mode press the  and  arrows together for 2 seconds, "HTR" will show on the screen which means you have entered the Heater Mode. Scroll through the menu using the  button, until the message "FST" appears on the display. At this point and the HEATWAVE™ controller has entered the anti frost mode.
- Press  to switch it on, and  to set.
- Now set the speed the pump runs at in this 'Frost Stat' mode and  to set. (Pump speeds normally range between 10-20)
- When in this 'Frost Stat' mode it turns off the pump, but continues to monitor the temperature.
- If the water goes below 2°C, the pump and heater is automatically activated for 13 minutes. This occurs every time the temperature dips below 2°C to ensure your water system never freezes. For this to function correctly the hose must be attached to the tank return.

### Adjusting dead end detection

- The **STREAMLINE™** controller can shut down the pump automatically when the flow is stopped by something like a kink in the hose or when the pole is removed (should you have cut-off EZ snap connectors). This is called a 'Dead-End'. This feature is useful as it prevents build up of pressure in a system and so minimises the risk of blown hoses and fittings. It also reduces the wear on the pump. We call this feature 'Dead-End Detection'.
- However, the sensitivity must be set by the user. This is to prevent the unit turning off too early (for instance as a system pressures up) or too late (when you may start blowing hoses).
- To adjust dead-end detection, press and hold  and  at the same time. Wait for 'Cal' to display on the screen. The pump will continue to drive at its current value.
- When 'Cal' displays on the screen, adjust dead-end detection up with  (less sensitive, turns off at higher pressures) or down with  (more sensitive, turns off at lower pressures).
- When you are happy with the setting, press Enter button .

### Messages

- dE** – A dead-end has been detected. The pump has been turned off automatically by the controller.
- PS** – Pressure switch has activated. You must reduce pressure to allow the pump to re-start.
- Bat (Pump still working)** – Your battery voltage has dropped below 11.5V. Re-charge your battery as soon as possible
- Bat (Flashing and pump stopped)** – Your battery voltage has dropped below 11.0V. The pump has been stopped by the controller to prevent possible damage to the battery. Recharge your battery as soon as possible, if you have a split charge relay fitted, start your engine, this will start the charging process.



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