

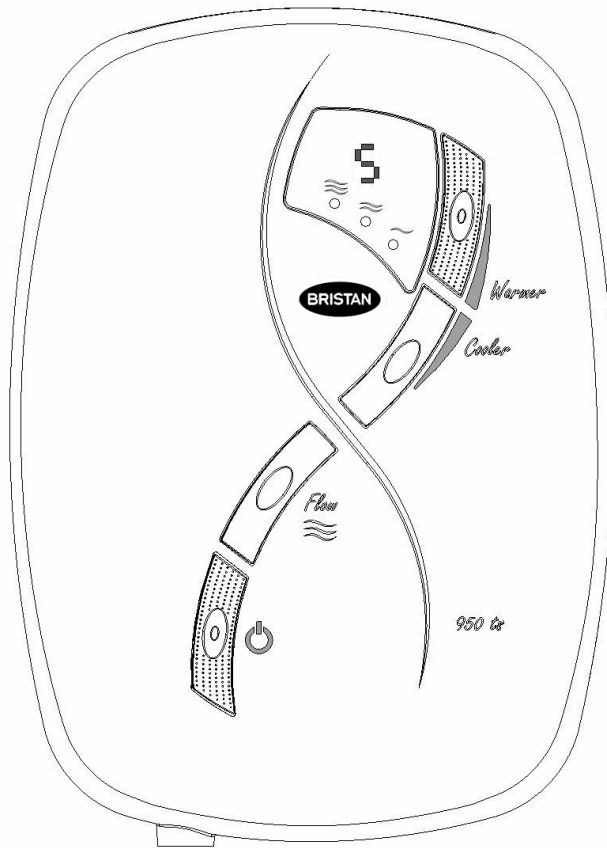


Commissioning, In Service Testing and Maintenance

of the

850 ts and 950 ts and 1080 ts

(ES 85TH C and ES 95TH C and ES 108TH C models)



for

BEAB Care wash schemes



IMPORTANT

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

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This leaflet must be used in conjunction with the main ES 85TH C & ES 95TH C & ES 108 TH C Shower Handbook.

For those installations where the BEAB Care Wash Scheme is required, the following additional checks must be carried out.

The initial “Commissioning Checks/Results” must be recorded on Page 3.

The “In Service Tests and Maintenance Results” must be recorded as applicable on Page 6.

Designation

Your shower has been tested and approved to the BEAB Care Wash Scheme, designation IW – S. When Commissioned, In Service tested and Maintained as detailed in this leaflet, the ES 85TH C & ES 95TH C & ES 108TH C shower is suitable for use in Care applications.

Commissioning (Record the results on Page 3).

- You will need a digital thermometer, a water pressure gauge and a multimeter.

IMPORTANT :

- For Care Wash installations the Temperature Lock Switch MUST be set to ON.
- Avoid installing the shower where it will be subjected to regular and rapid changes in water supply pressure.

Check the shower and installation conditions.

- Remove the handset from the end of the hose and then switch the shower on.
 - Insert a digital thermometer probe into the water flowing from the end of the hose and let it run for a minimum of two minutes.
- 1) Record the outlet water temperature. (Must be in the range 38°C to 41°C).
 - 2) Record the displayed digit. (Must read “5”).
 - 3) Record the running water supply pressure. (Must be in the range 1 to 10 bar).
 - 4) Record the running inlet water temperature. (Must be in the range 5 to 20°C).
 - 5) Record the running supply voltage at the shower terminal block.
(Must be in the range 207 to 253Vac).

Check the thermostatic response of the shower.

- Switch the shower on and let it run for 2 minutes.
 - Locate the nearest branch tap in the water supply pipe to the shower.
 - Fully turn on the tap. (The resulting pressure drop will cause the shower’s thermostatic control to make an automatic adjustment).
 - Leave the tap running.
- 6) Record the outlet water temperature at reduced pressure after about 1 minute.
(Must be in the range 38°C to 43°C).
 - 7) Record the reduced water supply pressure. (Must be in the range 1 to 10 bar).
- Turn the branch tap off.
- 8) Record the details of the digital thermometer, pressure gauge and voltmeter used to make the measurements.

Commissioning Checks/Results

Use the table below to record the results of the Commissioning checks.

Address of installation _____

Shower location _____

Date installed _____ Installed by _____

Shower Model N° _____ Shower Serial N° _____

Commissioning results

1) Outlet water temperature	
2) Displayed digit	
3) Running water supply pressure	
4) Running water supply temp.	

5) Running supply voltage	
6) Outlet temp at reduced press.	
7) Reduced running pressure	

8) Make & model of thermometer	
Make & model of pressure gauge	
Make & model of voltmeter	

Routine in service checks (Record the results on Page 6).

- You will need a digital thermometer and a water pressure gauge.

Cleaning the handset and inlet filter.

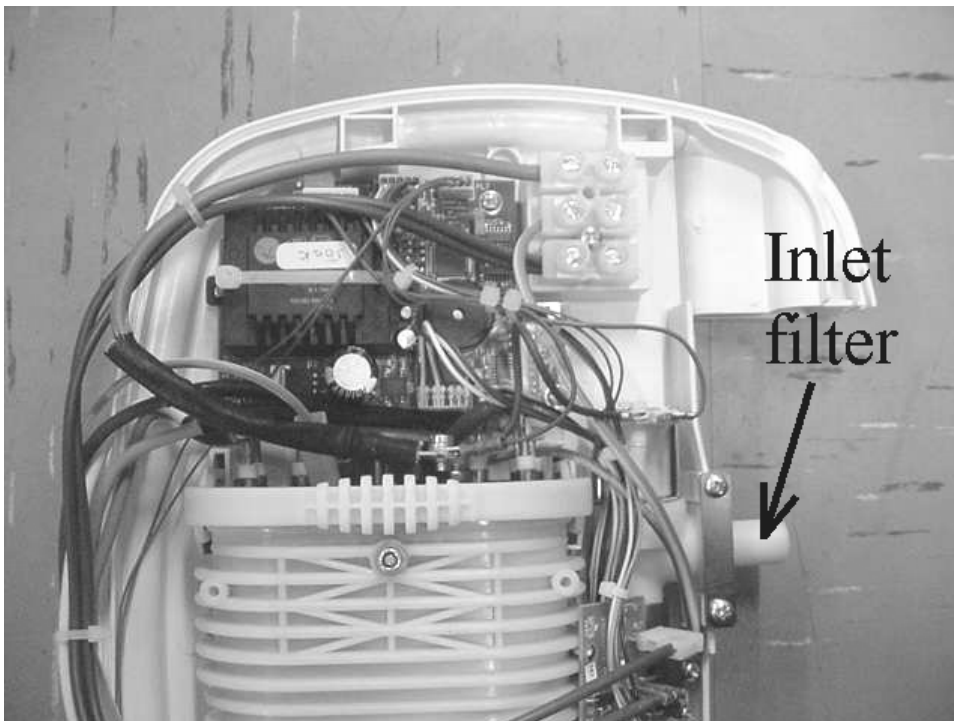
In order to maintain the performance of your shower you must clean the shower head regularly.

The condition of the filter is checked by examination.

The filter is located in the inlet side of the shower solenoid valve. (See Photo 1).

- Isolate the power and water supply to the shower.
- Remove the front cover and temporarily disconnect the flying lead.
- Disconnect the installers elbow from the shower inlet water connection.
(Note : The backplate fixing screws may need to be temporarily removed in order to gain proper access to the inlet filter. For top and bottom entry pipe work there is a cross rib that may need to be cut away. This can easily be done with a pair of side cutters).
- View the inside bore of the solenoid valve for any debris and particles trapped in the filter gauze. If the filter needs cleaning then carefully remove it taking care not to physically damage the gauze.
- After cleaning, carefully push the filter gauze back into the solenoid valve.
- Reinstall the plumbing connections and screw fittings.
- Replace the front cover and then turn on the water and power supplies.

Photo 1



Check the thermostatic response of the shower.

- Remove the handset from the end of the hose and then switch the shower on.
 - Insert a digital thermometer probe into the water flowing from the end of the hose and let it run for a minimum of two minutes.
- 1) Record the running water supply pressure. (Must be in the range 1 to 10 bar).
 - 2) Record the outlet water temperature. (Must be in the range 38°C to 41°C).
- Locate the nearest branch tap in the water supply pipe to the shower.
 - Fully turn on the tap. (The resulting pressure drop will cause the ES 85TH C & ES 95TH C & ES 108TH C thermostatic control to make an automatic adjustment).
 - Leave the tap running.
- 3) Record outlet water temperature after about 1 min. (Must be in the range 38°C to 43°C).
 - 4) Record water supply pressure. (Must be in range 1 - 10 bar).
- Turn the branch tap off.
 - The frequency of the in service tests will depend on the results obtained.
 - Initially check after the shower has been in service for 2 months and then again after 6 months.
 - If the filter does not require cleaning then the frequency of checking can be increased to 12 months.
 - If the outlet water temperature differs from previous readings by more than 2°C then carry out the maintenance schedule as detailed in the Maintenance section.

Maintenance (Record the results on Page 6).

Adjustment of the outlet water temperature.

The BEAB Care Wash scheme requires that the ES 85TH C & ES 95TH C & ES 108TH C shower is used with the Temp lock feature switched on.

The outlet water temperature can therefore only be adjusted between digits 2 and 5 with digit 5 corresponding to 40°C.

If the In Service tests show that the outlet water temperature has changed by more than 1°C then an adjustment can be made to bring it back to the required value.

This adjustment must only be made by a competent and informed electrician.

A Technical bulletin ("Shower DIP switch settings") is required in order to carry out this change. It can be obtained by asking for Technical queries on the Bristan After Sales Service phone number (0870 442 5553)

This page has been left blank for the addition of any notes you may wish to make



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