

BRISTAN

Thermostatic Cartridge

00622415

Service Instruction



Please keep these instructions for future reference

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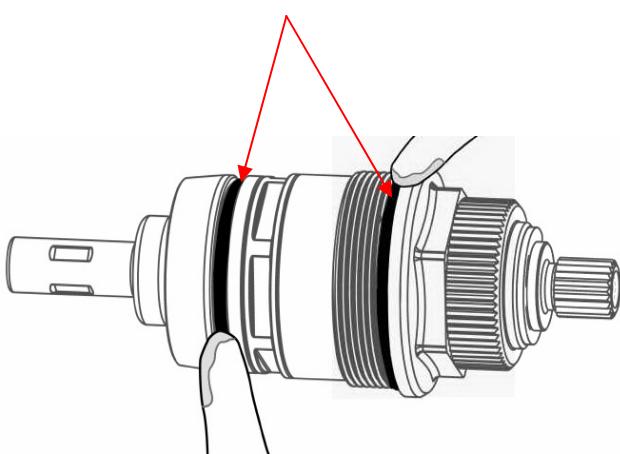
Before starting any servicing please isolate your water supply by either;

- 1. Turn the water off at the mains supply stopcock*
- 2. Turn the water off at the isolations valves to the shower*

The following literature will guide you through servicing and regulating the temperature of your shower valve.

Removal of the cartridge from a Bar Shower valve.

1. Turn off both water supplies to the shower valve.
2. Remove the end cap on the temperature handle,
3. Remove the centre screw.
4. Pull temperature handle off.
5. Once you have removed the temperature handle you will come to the temperature stop ring. This will have to be removed carefully. (remember what position it came off in, it may be necessary to mark it's position).
6. After taking the temperature stop off the next part you need to remove is the cartridge.
Using a (23mm A/F) box spanner unscrew the cartridge anti-clockwise.
7. If the cartridge is heavily covered in lime scale we suggest submerging the complete cartridge in a 50/50 solution of hot water and white vinegar. Leave the cartridge to soak for approximately 4 hours, take out and rinse the solution off with cold water.
8. Apply silicon grease (sp-495-0002) with clean hands around all visible black seals as shown below, and avoid contact with foreign objects to keep it clean until refitted. Screw the cartridge back into the bar shower valve.



9. Replace the temperature stop ring (in the position in which it came off).
10. Replace the handle, screw and end cap.

You may need to reset the temperature once servicing has been carried out.

Note: Only use silicon grease to grease seals.

Temperature Adjustment (Bar Shower Valve).

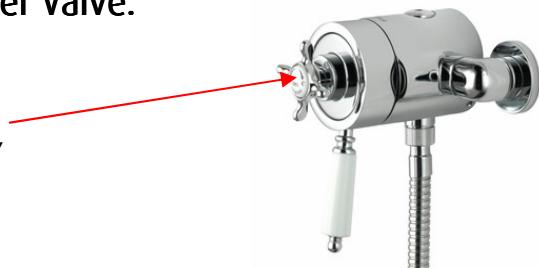
This cartridge is factory set at 38°C. This can however be adjusted for personal preference. To do this follow the steps below.

1. Remove the end cap from the temperature handle and the screw.
2. Pull the temperature handle off from the spline of the thermostatic cartridge.
3. Turn the flow of water on fully using the flow control handle.
4. Turn the spindle of the thermostatic cartridge anti-clockwise to make the shower hotter and clockwise to make it cooler until the desired temperature has been reached.
5. Replace the temperature control handle so that the stop is in its maximum position.
6. Replace the screw and end cap.

Note: We advise in hard water areas that the shower is maintained regularly to maintain performance.

Removal of the cartridge from a Mixer Shower Valve.

1. Turn off both water supplies to the shower valve.
2. Remove the centre cap / index on the temperature handle,
3. Remove the centre screw.
4. Pull the temperature handle off.



5. Once you have removed the temperature handle you will come to the temperature stop ring. This will have to be removed carefully. (remember what position it came off in, it may be necessary to mark its position).

6. After taking the temperature stop off you now need to remove the flow control handle by taking out the two screws and then pull the handle off.
7. Unscrew the cam retaining nut and remove the cam. This will give you access to remove the cartridge.
8. Using a (23mm A/F) box spanner unscrew the cartridge from the body anti-clockwise.
9. If the cartridge is heavily covered in lime scale we suggest submerging the complete cartridge in a 50/50 solution of hot water and white vinegar. Leave the cartridge to soak for approximately 4 hours.

10. While the cartridge is soaking in the solution you can now check the pistons and flow valves.

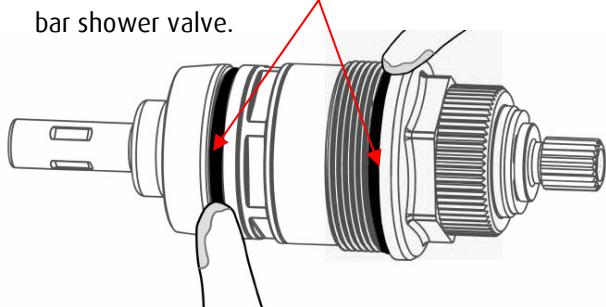
With the handles and the cam removed prise out the end cover caps that cover the piston housings. Using the maintenance tool supplied unscrew the pistons from the housings and Check that the filters are clean.

Using a 10mm hexagonal key unscrew the flow valves and check the seating.

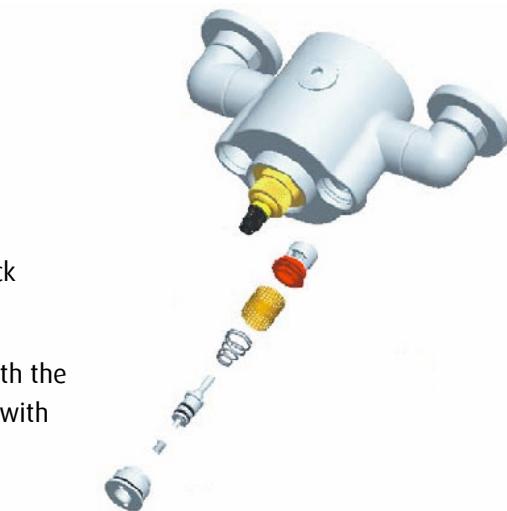
Once you have done this replace both flow valves tightening with the 10mm hexagonal key and then replace the pistons and tighten with the maintenance tool.

11. take out and rinse the solution off the cartridge with cold water.

12. Apply silicon grease (sp-495-0002) with clean hands around all visible black seals as shown below, and avoid contact with foreign objects to keep it clean until refitted. Screw the cartridge back into the bar shower valve.



You may need to reset the temperature once servicing has been carried out.



13. Replace the temperature stop ring (in the position in which it came off).

14. Replace the handle, screw and centre / indice cap.

Temperature Adjustment (Mixer Shower valve)

This cartridge is factory set at 38°C. This can however be adjusted for personal preference. To do this follow the steps below.

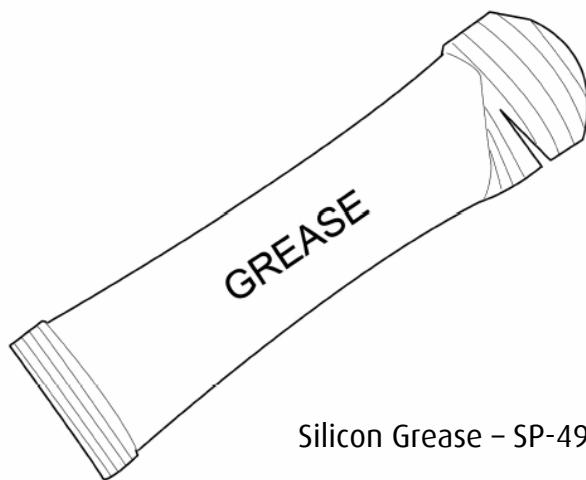
1. Remove the end cap from the temperature handle and the screw.
2. Pull the temperature handle off from the spline of the thermostatic cartridge.
3. Turn the flow of water on fully using the flow control handle.
4. Turn the spindle of the thermostatic cartridge anti-clockwise to make the shower hotter and clockwise to make it cooler until the desired temperature has been reached.
5. Replace the temperature control handle so that the stop is in the maximum position.
6. Replace the centre retaining screw and end cap.

Note: We advise in hard water areas that the shower is maintained regularly to maintain performance.

fault diagnosis

| symptoms | cause / rectification |
|--|--|
| only hot or cold water from the mixer outlet | <p>Inlets reversed (hot supply to cold supply) check that the connections are the correct way round. Hot on the left and cold on the right when viewed from the front.</p> <p>Rework pipework if necessary.</p> |
| outlet temperature too hot / cold | <p>No hot or cold water reaching mixer.</p> <p>Check insert filters for any blockage.</p> <p>Installation conditions outside operating parameters. Refer to specification section. Winter conditions - If using combination boiler system and shower output temperature is low, please contact Bristan for guidance. (see back page for contact details).</p> |
| fluctuating or reduced flow | <p>Check the shower handset, hose and filters for any blockage.</p> <p>Make sure that the maintained inlet pressures are nominally balanced and sufficient.</p> <p>Make sure the inlet temperature differentials are sufficient. The inlet hot water temperature must be at least 10°C above the required blend temperature. The maximum recommended hot supply is 60°C</p> <p>Air lock or partial blockage in the pipework.</p> |
| leaking from controls | Cartridge seals damaged, replace as necessary. |
| water leaking from shower head | <p>This is normal for a short period after shut off.</p> <p>Check that the pressures do not exceed the specification for the product.</p> <p>Cartridge seals damaged, replace as necessary.</p> |

Bristan Spare Part Numbers



Silicon Grease - SP-495-0002



Complete Cartridge - 00622415

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Notes

Use this page for any notes that you have regarding the servicing of your shower valve.

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This booklet covers servicing of
00622415

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