

**Bristan CART 06734B**

# Bristan Brass Thermostatic Cartridge User Manual

Model: CART 06734B

## 1. INTRODUCTION

This user manual provides essential information for the installation, maintenance, and troubleshooting of your Bristan Brass Thermostatic Cartridge, model CART 06734B. This cartridge is a critical component designed to regulate water temperature in compatible Bristan shower systems, ensuring a consistent and safe showering experience. Please read these instructions carefully before proceeding with installation or maintenance.

## 2. SAFETY INFORMATION

- Always turn off the main water supply before attempting any installation or maintenance on your shower system.
- If you are unsure about any step, consult a qualified plumber.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, during installation.
- Ensure all connections are secure to prevent leaks.
- Do not use harsh chemicals or abrasive cleaners on the cartridge or surrounding components.

## 3. PRODUCT OVERVIEW

The Bristan Brass Thermostatic Cartridge (CART 06734B) is a precision-engineered component responsible for mixing hot and cold water to achieve a desired, stable temperature. It is specifically designed for Bristan 1901 series thermostatic showers and is characterized by its non-threaded design.



Image 1: Front view of the Bristan Brass Thermostatic Cartridge, showing the top spline and the spring at the base. This view highlights the overall shape and key connection points.



Image 2: Side view of the Bristan Brass Thermostatic Cartridge, illustrating its cylindrical body and the internal components, including the spring mechanism. This angle provides a clearer perspective of its length and seals.

## 4. INSTALLATION

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This cartridge is a replacement part. Installation should only be performed after the existing cartridge has been safely removed.

### 4.1. Preparation

1. Turn off the main water supply to your property or the specific shower unit.
2. Drain any residual water from the shower system by opening the shower valve.
3. Remove the shower controls (handles, faceplate) to access the cartridge housing.
4. Carefully remove the old cartridge. Note its orientation for correct installation of the new one.

### 4.2. Cartridge Installation

1. Ensure the cartridge housing is clean and free of debris.
2. Apply a small amount of silicone grease (often supplied with the cartridge) to the O-rings of the new cartridge

to facilitate smooth insertion and ensure a good seal.

3. Carefully insert the new Bristan Brass Thermostatic Cartridge into the housing, ensuring it is correctly aligned. The non-threaded design means it will slide into place.
4. Secure the cartridge in place using the retaining nut or clip, as per your shower model's design. Do not overtighten.
5. Reattach the shower controls (handles, faceplate). Ensure handles are correctly aligned for temperature and flow control.

### 4.3. Post-Installation Check

1. Slowly turn the main water supply back on.
2. Check for any leaks around the cartridge housing and connections.
3. Test the shower's temperature and flow controls to ensure proper operation and temperature stability.

## 5. OPERATING PRINCIPLES

Once installed, the Bristan Brass Thermostatic Cartridge automatically maintains the desired water temperature. It contains a wax element that expands and contracts in response to temperature changes, adjusting the mix of hot and cold water to compensate for fluctuations in either supply. This ensures a constant, comfortable, and safe water temperature, preventing scalding or sudden cold shocks.

## 6. MAINTENANCE

- **Cleaning:** The cartridge itself does not require regular cleaning. However, if water quality is poor (e.g., hard water), mineral deposits can build up over time.
- **Limescale:** In hard water areas, limescale can affect cartridge performance. If you notice temperature fluctuations or reduced flow, the cartridge may need descaling. This typically involves removing the cartridge and soaking it in a suitable descaling solution designed for brass components, following the descaler's instructions.
- **Lubrication:** Periodically, the O-rings can be re-lubricated with silicone grease to ensure smooth operation and prevent wear. This is usually done during descaling or if the shower controls become stiff.

## 7. TROUBLESHOOTING

| Problem                             | Possible Cause  | Solution  |
|-------------------------------------|---|---|
| Inconsistent water temperature      | Limescale buildup on cartridge, faulty cartridge, fluctuating water pressure. | Descale cartridge, check water pressure, replace cartridge if necessary.                  |
| No hot or cold water                | Blocked cartridge, supply issue, cartridge installed incorrectly.             | Check water supply, remove and inspect cartridge for blockages or incorrect installation. |
| Water leaking from shower controls  | Damaged O-rings, loose retaining nut, faulty cartridge.                       | Inspect and replace O-rings, tighten retaining nut, replace cartridge.                    |
| Stiff or difficult to turn controls | Lack of lubrication on O-rings, limescale.                                    | Lubricate O-rings with silicone grease, descale cartridge.                                |

If problems persist after attempting these solutions, it is recommended to contact a qualified plumber or Bristan customer support.

## 8. SPECIFICATIONS

- **Model:** CART 06734B
- **Type:** Thermostatic Cartridge (not threaded)
- **Material:** Brass
- **Manufacturer:** Bristan
- **Package Dimensions:** 14.4 x 5.4 x 5.4 cm
- **Item Weight:** 200 g
- **Compatibility:** Designed for specific Bristan 1901 series thermostatic showers (e.g., Bristan 1901 3 Control Thermostatic Shower, Bristan 1901 Easytherm Thermostatic Shower Adjustable Riser, Bristan 1901 Thermostatic Shower - Chrome - N TSHCVO C, Bristan 1901 Thermostatic Shower - Gold).

## 9. WARRANTY AND SUPPORT

For specific warranty information regarding your Bristan Brass Thermostatic Cartridge (CART 06734B), please refer to the documentation provided with your original Bristan shower unit or visit the official Bristan website. Warranty terms typically cover manufacturing defects.

For technical support, spare parts, or further assistance, please contact Bristan customer service directly. Contact details can usually be found on the Bristan website or in your original product packaging.



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### Documents - Bristan – CART 06734B



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Thermostatic Cartridge **CART 06734B** Service Instruction Please keep these instructions for future reference **WARNING** 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 of at the isolations valves to the show...

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Service Instruction



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