

AFTERCARE INSTRUCTIONS

Your fitting has a high quality finish and should be treated with care to preserve the visible surfaces.

All surface finishes will wear if not cleaned correctly, the only safe way to clean your product, is to wipe with a soft damp cloth. Stains can be removed using washing up liquid. All bath cleaning powders and liquids can damage the surface of your fitting even the non-scratch cleaners.

GUARANTEE

All products are manufactured to the highest standards and a 5-year guarantee covers any defect in manufacture.

CONTACT DETAILS

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BATHROOMS

Granley Thermostatic Shower Valve (Surface Mounted) SGA01-SGC01 Fitting Instructions & Contents List

Before starting any installation project please consider:

Prior to drilling into walls, check there are no hidden electrical wires, cables or water supply pipes with the aid of an electronic detector. If you use power tools do not forget:

- Wear eye protection
- Unplug equipment after use



Please keep these instructions for future reference and request of replacement part

Contents

Section	Description	Page No:
1.	Introduction	1
2.	Specification	1
3.	Pack contents checklist	2
4.	Installation	3
5.	Setting	7
6.	Operation	8
7.	Cleaning & Maintenance	8
8.	General fault diagnosis	9
9.	Guarantee & Registration	11

1. Introduction

Your Heritage control shower fitting is a thermostatic mixer incorporating a wax capsule thermostat to ensure constant showering temperatures.

These instructions are for your guidance to a safe and successful installation and should be left with the user. Please read the booklet thoroughly before commencing installation.

Our quality control procedures endeavor to ensure this pack is complete. However, if you find any parts missing or require technical information, please contact Heritage.

2. Specification

Inlet Connections: 15 mm compression with 142mm between centres.
Water Pressures: Min. 0.1 bar - Max. 5 bar Maximum recommended imbalance between hot & cold pressures should not exceed 5:1

Maximum Outlet Temp: Factory set to 43°C (can be re-set to suit site conditions).

Hot & cold Supply Temperature

Maximum Cold Supply: 25°C

Minimum recommended hot supply: 60°C

Maximum Hot Supply: 80°C

Flow Chart

Fault	Cause	Rectification
No or reduced flow and/or fluctuating temperature.	<ul style="list-style-type: none"> - Shower head blocked. - Isolating valve partially closed. - Instantaneous boiler cycling on and off as flow rate/pressure too low. - Bottom cap setting incorrect. - Gravity head of water below minimum required. - Blockage in supplies/mixing valve. - Other draw offs in use causing pressure or temperature changes. - Supply pressures unequal. - Flow limiters incorrectly fitted. - Air lock in system. - Shower cross circulating. 	<ul style="list-style-type: none"> - Clear debris from shower head. - Open valve. - Adjust bottom cap setting. - Check boiler settings are correct. - Contact boiler manufacturer. - Adjust bottom cap setting. - Raise tank or fit pump. - Dismantle and check for debris. - Flush supplies before refitting. - Do not use other draw offs whilst showering. - See maximum pressure differential in Specifications. - Check Application Selection. - Check System Requirements for correct installation method. - Check non return valves and condition of seals.
Maximum outlet temperature too hot or too cold.	<ul style="list-style-type: none"> - Maximum temperature incorrectly set. 	<ul style="list-style-type: none"> - Reset maximum temperature. Refer to Instructions.
Maximum temperature too cold or runs cold after a short time (maximum temperature set or fully adjusted).	<ul style="list-style-type: none"> - Hot water is less than 10°C above the outlet temperature required. - Insufficient hot water supply or storage (running out of hot water). - Instantaneous boiler not igniting as water flow rate/pressure too low. 	<ul style="list-style-type: none"> - Adjust tank temperature to 60-65°C. Ensure hot water is up to temperature. - Check tank or heater capacities. Low capacity equals shorter showering time. - Adjust bottom cap setting. - Increase flow through system. - Increase pressure in system. - Check for blockages. - Contact boiler manufacturer.
Outlet flow too much.	<ul style="list-style-type: none"> - Flow limiters incorrectly fitted. 	<ul style="list-style-type: none"> - Check Application Selection.
Only hot or cold water at outlet	<ul style="list-style-type: none"> - Inlet supplies reversed/backwards. - Inlet supplies blocked. 	<ul style="list-style-type: none"> - Ensure supplies are connected correctly to hot and cold inlets. - Clean out debris.
Shower will not shut off or leaking from body.	<ul style="list-style-type: none"> - Seal damage or wear. - Scale build up inside mixer. - Inlet pressures above maximum recommendations. 	<ul style="list-style-type: none"> - Renew all seals. - Dismantle and check for debris. - Ensure supply pressures are within Specification. - Fit pressure regulating valve if necessary.
No thermostatic fail safe.	<ul style="list-style-type: none"> - Inlet temperatures not within specification. - Piston assembly jammed. - Thermostat failure. - Debris trapped in mechanism. - Inlet supplies reversed. 	<ul style="list-style-type: none"> - Check inlet temperatures, hot supply should be 10°C higher than shower outlet temperature. - Dismantle and check for debris. - Replace thermostat. - Dismantle and check for debris. - Ensure supplies are connected correctly to hot and cold inlets.

8.3 Cartridge Maintenance (See Fig. 2)

- 8.3.1 Remove the temperature control handle by removing the cap, unscrewing the handle and pulling the handle off the spindle.
- 8.3.2 Remove the cir-clip and pull the flow control handle off the valve.
- 8.3.3 Remove retaining nut to reveal the cartridge (45mm spanner required)
- 8.3.4 Pull the cartridge forwards to remove from the shower body.
- 8.3.5 Clean or replace cartridge (or seals) as necessary. Note: we recommend using a de-scalent to clean & clean water to rinse away.

8.4 Refitting the Cartridge

- 8.4.1 Ensure that the ceramic disc valve is in the off / closed position.
- 8.4.2 Grease seals with silicon grease and carefully refit the cartridge into the body.
- 8.4.3 Secure with cartridge using the retaining nut
- 8.4.4 Refit the flow control handle and circlip.
- 8.4.5 Refit temperate handle, screw & cap to complete.

8.5 For resetting the Maximum Temperature - See section 5.

8. General Fault Diagnosis

If your valve fails to function correctly, the following should be checked:

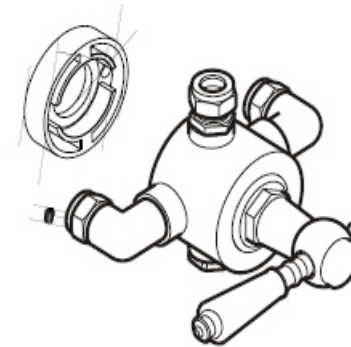
- 8.1 Check that the hot and cold connections are the correct way around. Hot on the left, cold on the right.
- 8.2 Ensure that the hot water temperature is adequate. The recommended minimum temperature is 60 deg. C.

Please also follow the fault diagnostics table.

3. Pack Contents Check List

Surface Mounted Valve

- 1 x Valve
- 1x fixing pack (including flow limiters and elbow covers)



4. Installation

4.1.1 Identify all components and check for completeness, particularly before arranging fitting.

4.1.2 **Before beginning, pipework position should be decided.** The elbows can be positioned to feed the valve from: top, bottom or back. The elbow can be unscrewed by 1.5 turns laterally from the fixed position to accommodate for this.

4.1.3 This mixer should be installed in compliance with Water Regulations. For further details contact your Local Water Authority.

4.1.4 This mixing valve is suitable for use with the following systems:

- Gravity Fed Hot & Cold (Equal Pressure)
- Gravity Fed Hot & Mains Cold (Differential Pressure)
- Unvented Systems
- Gas Combination Boiler
- Pumped System

For optimum performance use the table to match the supply system to the mixing valve. The table gives recommendations for flow limiter selection and bottom cap adjustment.

COLD SUPPLY	HOT SUPPLY	FIT TO ELBOWS		COMMENTS
		COLD	HOT	
GRAVITY 0.1 TO 0.5 BAR (1 TO 5M# HEAD)	GRAVITY 0.1 TO 0.5 BAR (1 TO 5M# HEAD)	NOTHING	NOTHING	MAX. RATIO OF HOT-COLD PRESSURE 1.5/5:1
GRAVITY 0.5 BAR + (5 M# HEAD +)	GRAVITY 0.5 BAR (5 M# HEAD +)	GREEN 7 LITRE LIMITER	YELLOW 5 LITRE LIMITER	THIS ARRANGEMENT WILL ALSO SUIT PUMPED SYSTEMS#
MAINS (1.5 TO 10 BAR)	GRAVITY 0.1 TO 0.2 BAR (1 TO 2M# HEAD)	WHITE ORIFICE (NO WASHER REQUIRED)	NOTHING	
	GRAVITY 0.2 TO 0.5 BAR (2 TO 5M# HEAD)	GREEN 7 LITRE LIMITER	NOTHING	
	GRAVITY 0.5 BAR + (5 M# HEAD +)	GREEN 7 LITRE LIMITER	YELLOW 5 LITRE LIMITER	
	UNVENTED HOT WATER STORAGE SYSTEM (SHOWER COIL)			
	COMB-BOILER INSTANTANEOUS GAS WATER HEATER	GREEN 7 LITRE LIMITER	YELLOW* 5 LITRE LIMITER	
	ELECTRIC UNVENTED *** INSTANTANEOUS HEATER	YELLOW 5 LITRE LIMITER	NOTHING	
	UNVENTED OPEN OUTLET HEATER, GAS OR ELECTRIC, EG 'NORMAL' ELECTRIC SHOWER	DO NOT USE WITH MIXER VALVE - THIS WOULD BE EXTREMELY DANGEROUS		

Limiters can be fitted if water economy is required.

* Yellow (5 litre) limiter may not be necessary on some gas heaters.

** The bottom cap is factory set at 3/4 turn from fully closed position.

*** **IMPORTANT!** - It is a requirement of Instantaneous Electric Water Heaters that a stable flow of water passes through the heater. This requirement can be satisfied by using a flow stabiliser fitted prior to the heater and should be adjusted to give a temperature of between 45-50°C from the heater.

5.5 Turn the spindle anti-clockwise to increase the temperature and clockwise to reduce it.

5.6 Refit the handle and cap.

6. Operation

6.1 Temperature Control

The lever handle controls the temperature. To adjust the temperature, turn the control anti-clockwise to increase the temperature and clockwise to reduce it. The valve automatically adjusts for changes in supply and maintains the outlet at the set temperature.

7. Cleaning & Maintenance

7.1 Cleaning

Your fitting has a high quality finish and should be treated with care to preserve the visible surfaces. All surface finishes will wear if not cleaned correctly, the only safe way to clean your mixer is to wipe with a soft damp cloth. Stains can be removed using washing up liquid. All bath cleaning powders and liquids will damage the surface of your fitting, even the non-scratch cleaners.

7.2 Regular Maintenance

We advise that the valve is regularly serviced, particularly in hard water areas. It is also important to clean the handset / fixed head regularly in hard water areas to maintain an even spray/flow of water.

Exposed - The filters and check valves are contained in the elbows. The water supplies must be isolated remote from the valve before removal. Unscrew the elbows from the bodies to access these parts.

4.2 Installation Exposed Valve

Prior to drilling into walls, check there are no hidden electrical wires, cables or water supply pipes with the aid of an electronic detector. If you use power tools do not forget:

- Wear eye protection
- Unplug equipment after use

4.2.1 Screw the backplate to the wall with screws provided. If the wall is tiled, to avoid the possibility of cracking we recommend that the end of the wall plug be sunk below the tile and the gap filled with silicon sealant.

With hot supply on the left, cold on the right, when viewed from the front:

4.2.2 Position the wall covering plates over the 15mm supply pipes (not supplied) and fit the nuts and olives.

4.2.3 Fit the shower body into the backplate engaging the 15mm pipes into the elbows and tighten the nuts. Lock the body in position by tightening the grub screws that appear on the shower valve back plate.

5. Setting

5.1 Turn on the water supplies and fully open the flow control. Let the water run long enough to ensure that the hot water supply is at its maximum temperature.

5.2 Turn the temperature control anti-clockwise to its maximum position and check the outlet temperature. This has been factory set at 43°C at balanced supply pressures. (0.5 bar).

5.3 The maximum temperature can be adjusted to suit site conditions or user preference. To adjust this, follow this procedure:

5.4 Remove the temperature control handle by removing the centre indice to reveal retaining screw.

5.5 Turn the shower control fully anti-clockwise to the maximum temperature position.

5.6 Remove the retaining screw and seal using a suitable screwdriver.

NOTE! Water will flow from the centre hole, this is normal.

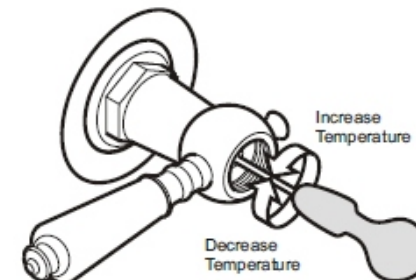
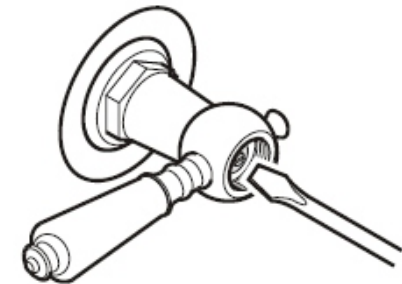
5.7 Using a small thin bladed screwdriver, locate the temperature adjusting screw.

5.8 To increase the temperature turn the anti-clockwise. To decrease temperature turn clockwise.

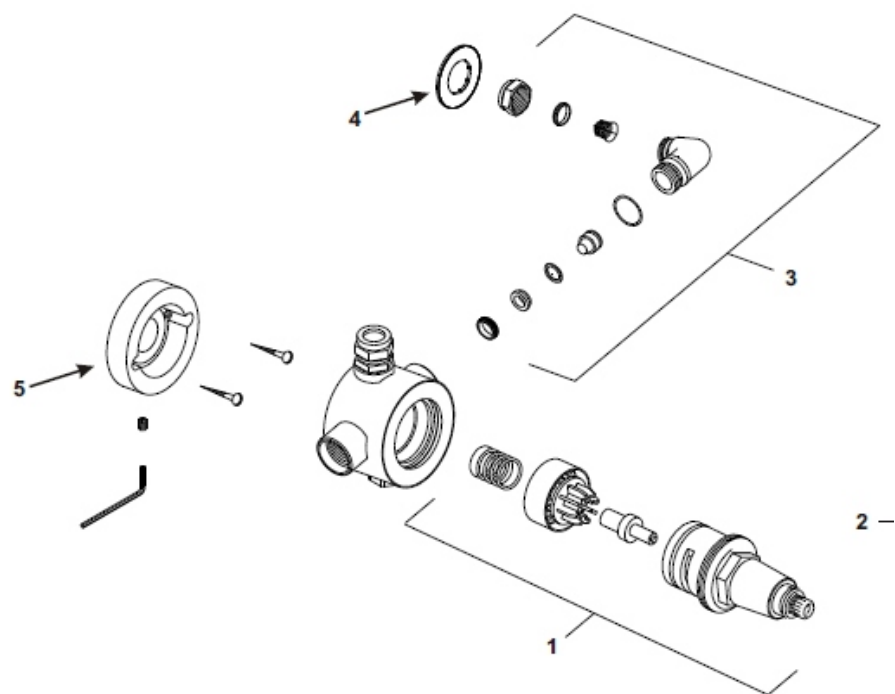
5.9 Use a suitable temperature measuring device to set the outlet temperature within the thermostatic control range.

6.0 Turn the shower off, replace the retaining screw re-fit the centre indice.

To check thermostatic response, run the shower and isolate the cold water supply. The outlet flow should shut down to seepage within a few seconds.



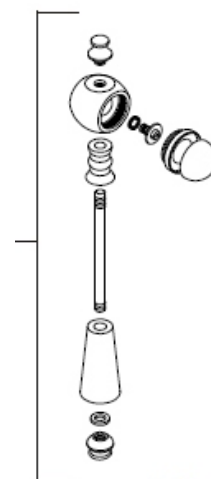
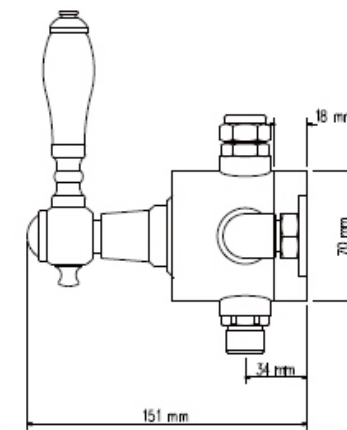
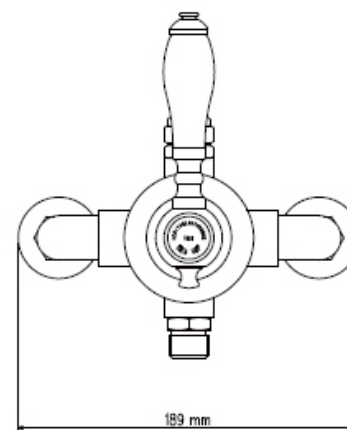
REF NUMBER	DESCRIPTION	PART NUMBER
1	COMPLETE CARTRIDGE ASSEMBLY	SK1500-7
2	LEVER ASSEMBLY	SK1500-8EXT
3	COMPLETE ELBOW ASSEMBLY	SK1500-9
4	WALL COVER PLATE	SK1500-11
5	BACKPLATE	SK220019
-	SEALS KIT	SK1500-1



5

LINE DRAWINGS

138-145 pipe centres



All drawings are for reference only.

Dimensions in mm.

6