

Spare Parts.

SB 1402Short	Flow Control Cartridge
SB 6000	Non Return Valve Cartridge
SB 1222	Thermostat
SB 6045	Flow Control Knob
SB 1624	M4 x 25 Cheese Head Screw
SB 1604	M5 x 6 slotted grub screw



SB6045 Invincible
or
SB6032 absolute

SB1624
M4 x 25 Ch Hd Screw

SB1402SHORT

Swadling Brassware Maintenance Instructions 3/4" Concealed Thermostatic Valve. SB1222 Ca131 (1997 to Mar 2003)

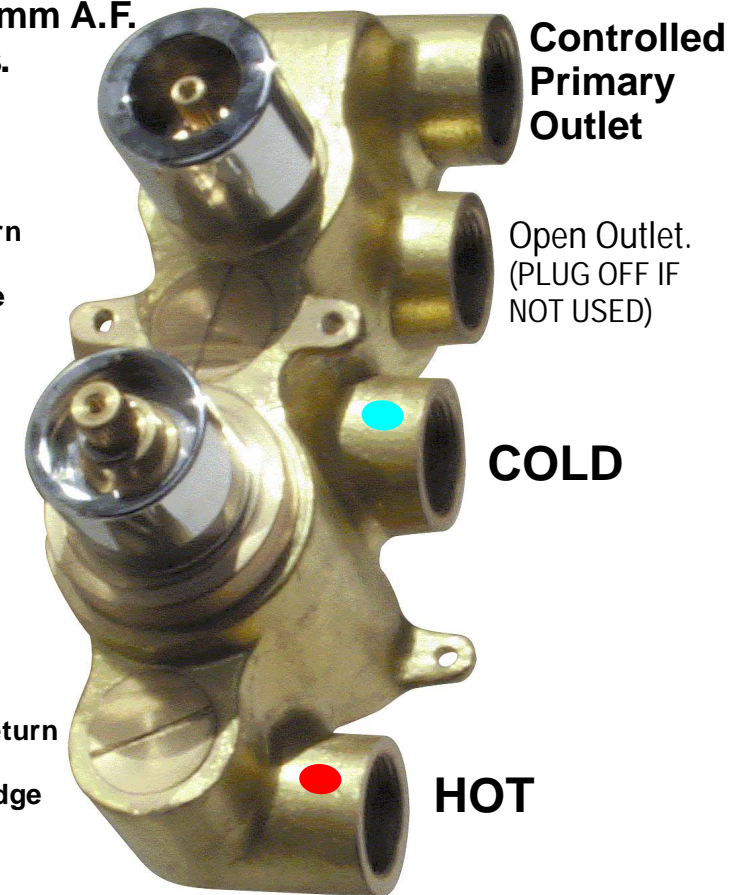
Also fitted to
Zyam & Ocean Valves

Flow Control Cartridge 3/4"
Ceramic disc.17mm A.F.
Collar Unscrews.

Non return
Valve
Cartridge

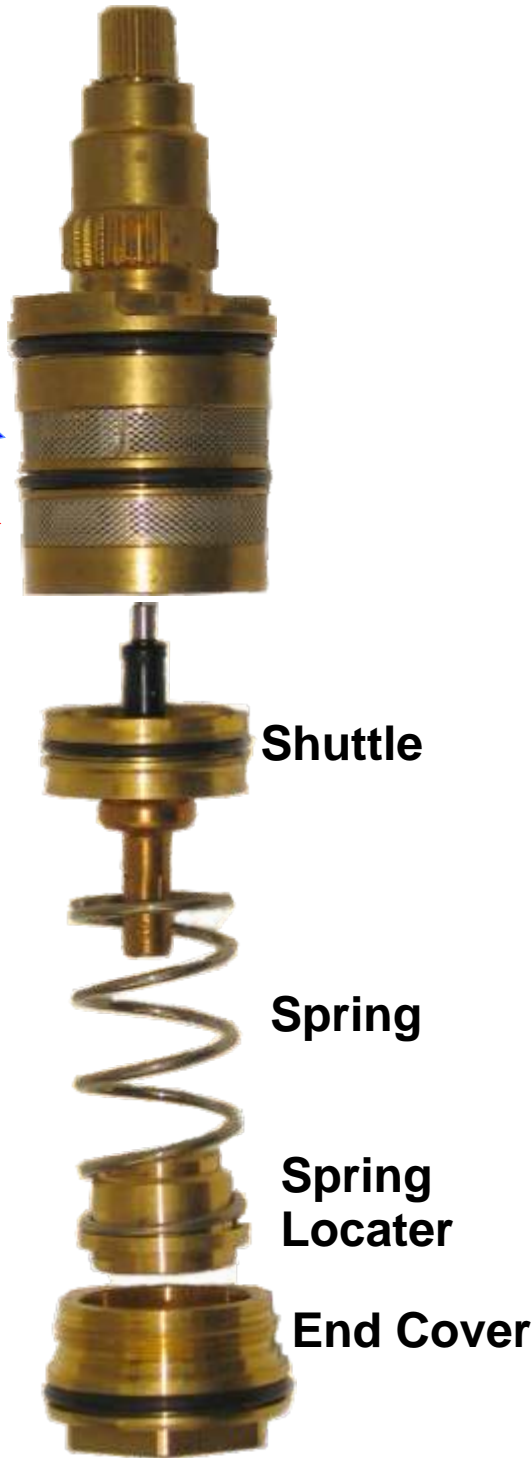
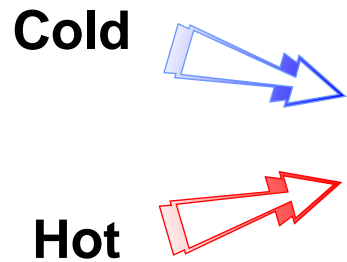
Thermostatic
Cartridge.
30mm A.F.
Pull-off Collar

Non return
Valve
Cartridge



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SB1222 (Ca131) Exploded Diagram



Lubricate O ring on reassembly

Temperature Setting.

To set temperature, rotate the thermostat spindle until the maximum desired showering temperature is reached [Normally about 42 degrees C.] Then line up the screw head on the back of the control knob with the first stop on the stop ring, push the knob onto its spline and tighten the grub screw. You should now be able to override the set temperature by depressing the button for topping up baths etc.

Turn OFF the HOT and COLD supplies to the shower valve.

Thermostat Removal.

Loosen grub screw (2.5mm Allen key) in flow control knob and pull off knob. Loosen grub screw (2.5mm Allen key) in the temperature control knob, and pull off. Carefully remove cover plate.

Remove the push on collar / stop ring from the thermostat cartridge.

Unscrew the retaining nut (32mm A. F.). Pull out the thermostat from the valve.

Refit Temperature Control Knob to aid removal, twist and pull.

After the thermostat has been removed clean any debris from the valve body.

Thermostat Disassembly.

Check the three 'O' rings fitted on the thermostat for any damage / wear.

Unscrew the hex end cover, which will unscrew approx 7.0 mm.

Remove end cover, spring locator, spring, and pull out the shuttle.

Check 'O' ring for damage. Check the machined seating faces for pitting etc.

Wash out the thermostat body to remove any small particles of debris and re-assemble.

To remove any lime scale build up, use a proprietary de-scaler (as used to de-scale kettles and coffee makers) following manufacturer's directions.

Before reassembly it is advisable to lubricate the shuttle 'O' ring with petroleum jelly or silicone grease.

Reassembly is the reverse of above.

Flow Control Removal.

Loosen grub screw (2.5mm Allen key) and pull off flow control knob. Unscrew plated collar.

The flow control is a 1/2" quarter turn ceramic cartridge and can be unscrewed using a suitable tool (17mm A.F.)

Check Valve Removal.

Check valves are located either side of the thermostatic cartridge. Using a suitable tool unscrew, clean out and refit.

Trouble Shooting

After installation shower runs HOT or COLD and will not mix.

The temperature knob turns clockwise for cold and counter clockwise for hot.

Solution: Hot and Cold supplies are plumbed the wrong way round.

Shower will not run hot enough when first installed.

Solution: Maximum temperature setting needs adjusting. See Temperature Setting.

After adjusting temperature and will not run hot enough.

Solution: Remove thermostatic cartridge clean and refit.

Cold water tracking through valve into the hot system.

Solution: This is prevented by non-return valves fitted either side of the thermostatic cartridge.

Check & clean non-return valves.

