

## General Specifications

### Water Pressures

This valve is designed to operate on water supplies of equal pressure and volume.

Minimum Operating Pressure: 20 kPa (2 metre Head)  
 Maximum Operating Pressure: 1000 kPa  
 (Maximum recommended 600 kPa)

### Water Temperatures

Hot water minimum: 50°C  
 Hot water maximum: 75°C

### Inlet/Outlet Connections

Female 1/2" BSP (British Standard Pipe)

### Dimensions

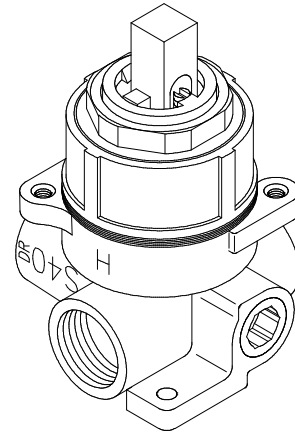
Minimum wall cavity depth: 50mm (minimum of 48mm from mounting plate or bracket to the finished shower lining)  
 Fascia plate diameter: 160mm  
 Retro fascia plate diameter: 175mm

### Materials

Body: Hot Forged Brass (dezincification resistant)  
 Fascia Plate: Stainless Steel  
 Lever: Die-cast Metal  
 Ceramic discs: 96% Al<sub>2</sub>O<sub>3</sub> (Internationally Approved)

### Retro-fit Adaptor Kit (ADS40)

Special fittings necessary to alter the inlets to match pipe-work of most older Topliss valves (TB2 - TB9). Minimal re-alignment may be necessary.  
 Contents: 2 x brass inlet adaptors, 1 x 1/2" BSP brass plug.



## Special Features

- Ceramic disc seals
- Adjustable flow limiter.
- Adjustable temperature limiting ring.
- Female 1/2" BSP connections allow a wide range of installations options.
- Two cold inlets for flexibility.
- Fascia plate foam wall seal.
- Fascia plate firmly held by two s/s machine screws.
- No alterations necessary to operate from 50 to 75°C.

## Flow Rates

### TB-S40 Ceramic Mixer with TOPLISS Showerheads

Flow Rates are indicative only - pressure regulators and limiters differ in accuracy and restriction.  
 Frictional loss in longer pipe runs may be significant, requiring an increase in pipe size.

Showerhead Flow (litres/min) at static pressure

Showerhead Model	20 kPa	37 kPa	76 kPa	350 kPa	500 kPa
100 Fixed Flow	5.4	7.2	9.4	14.8	21.6
110 Classic/120 Ultra Fixed Flow	6.0	7.6	9.8	14.4	22.2
130 V/Jet Ultra	5.3	7.0	9.6	14.0	21.0
131 Ultra Two-Way Shower	5.2	6.8	9.2	14.0	18.8
141 Slide Shower	5.4	6.8	9.2	13.6	19.2
145 Handrail Slide Shower	5.4	6.8	9.2	13.6	19.2

Varijet showerheads can be turned down to still give a good spray at minimal flows. eg. 4 litres/min.

Kit #009 (Economizer flow regulator) gives a maximum flow of 8 - 10 litres per minute. (Fits models 110, 120, 130 & 131 roses)

The TB-S40 also has an adjustable flow limiting screw.

## Installation Recommendations

Fit stop-taps in system to enable easy isolation

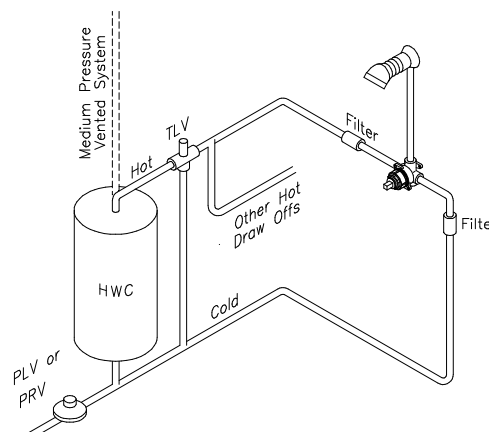
of mixing valve.

Install filters to protect ceramic seals.

If modern pipework, one filter before PRV should suffice.

Use pressure equalising valve if unable to draw cold from the same feed as HWC.

HWC must be installed to standard code of practice.



**Simplified Plumbing Requirements (for mixer only)**