

### Introduction

The BOSSMIX™ TMV2/3 range has been designed and manufactured to meet the rigorous requirements of current TMV standards. All the valves offered are approved and designated TMV3 and TMV2 valves, as defined in the NHS Estates Guidance document (D08), BS EN 7942, BS EN 1111 & BS EN 1287.

Consisting of a choice of two valves - 15mm and 22mm, combined with a choice of two types of connections - straight or angled (15mm or 22mm), the BOSSMIX™ TMV2/3 range, provides effective solutions for all your TMV2 and 3 installation requirements and is fully supported by a dedicated BOSSMIX™ Technical Service Helpline and an on site call out facility.

### Features & Benefits

- BOSSMIX™ Technical Helpline: 0116 245 5940
- TMV2 and TMV3 accredited
- WRAS and BuildCert approved
- Suitable for single application installations
- 15mm and 22mm Compression Fittings
- Straight or Angled Connection Options
- Standard Connection valves supplied with NRVs and Strainers
- Angled Connection Valves supplied with NRVs, Strainers and Isolating Valves
- Flat faced unions between valve body and NRVs for ease of maintenance
- Accurate Temperature Control
- Failsafe Cold Water Failure Device
- Tamper Proof Head c/w locking nut
- BOSSMIX™ Cap can be used to adjust temperature
- Full Service Kits Available
- Suitable to meet Part G of Building Regulations
- NHS D08 compliant

# Thermostatic & Regulating Valves

## Schematics and Typical Installations

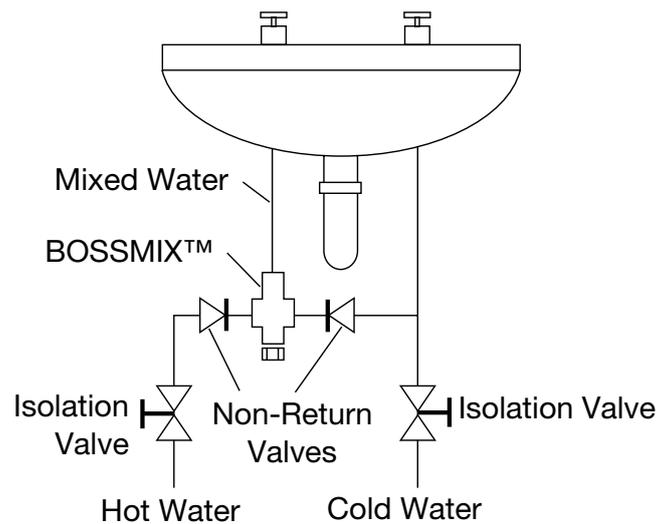
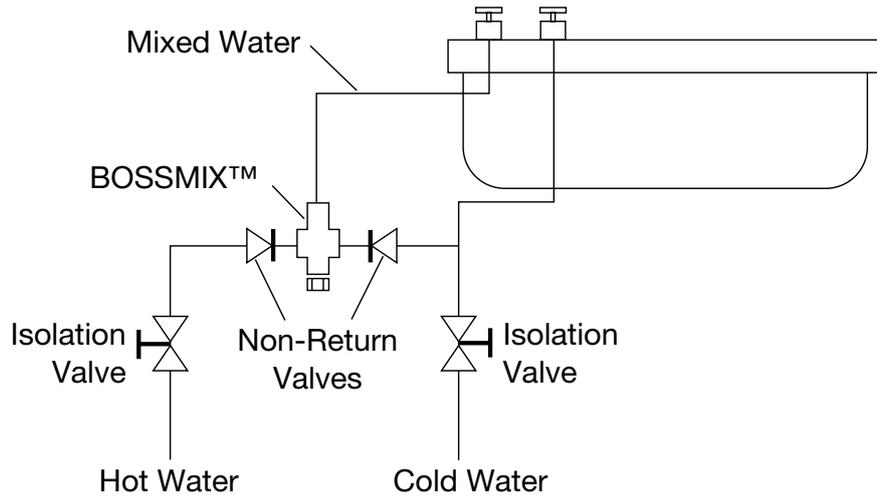
### Installation Guidance

The following information is to act as a general guide and in no way supersedes the guidelines laid down by the current TMV2 and TMV3 installation requirements and the Installation and Commissioning Instructions supplied with each valve.

- The BOSSMIX™ TMV range is suitable for single outlet applications only.
- We recommend that isolation valves be fitted as part of all TMV3 installations to aid in commissioning and maintenance (supplied as standard with the BOSSMIX™ TMV Angled Connection option). The BOSSMIX™ TMV range is designed to be installed in any orientation as long as the temperature setting device is accessible for commissioning and maintenance purposes.
- A back flow prevention device (non-return valve) MUST be fitted to prevent cross contamination of water supplies. Supplied as standard with all BOSSMIX™ TMV valves.
- Where excessive pressure is present, from one or both water supplies, pressure reducing valves should be used to reduce pressures to within the specified limits. Systems should be clean and free from debris. In older systems, which may be subject to debris, we recommend the use of isolating ball valves complete with internal strainers.

### Commissioning & Maintenance

Commissioning and maintenance must be carried out in strict adherence to the instructions included with each valve and as laid down by Health and Safety Regulations. Failure to do so could result in serious injury or even death.



# Thermostatic & Regulating Valves

## BOSSMIX™ TMV2/3

### Approvals TMV2/3

- WRAS approval Number: 0809070



- BuildCert Approved:



TMV2 Approval Number:  
BC1086/1212

- BS EN 1111:1999 TMVs (High Pressure)
- BS EN 1287:1999 TMVs (Low Pressure)



TMV3 Approval Number:  
BC1087/1212

- NHS Model Engineering Specification D08  
TMVs (Healthcare Premises)
- BS EN 7942

### Typical Installations

Designed to control single outlet applications

#### Both TMV2 and TMV3 applications:

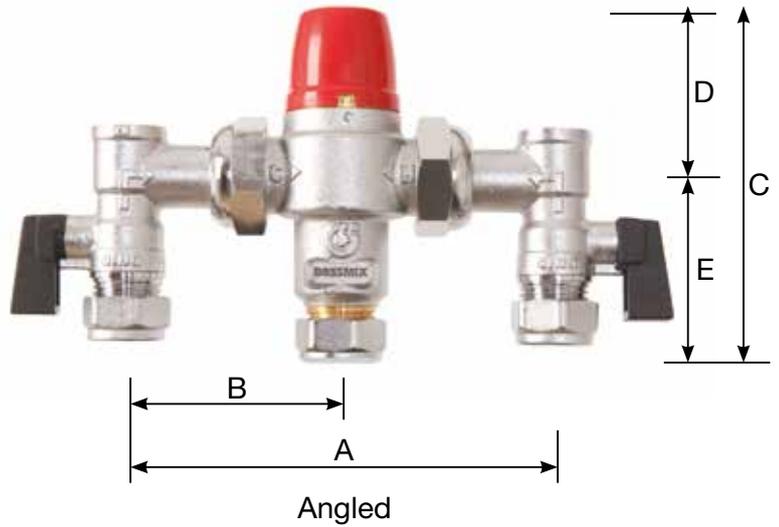
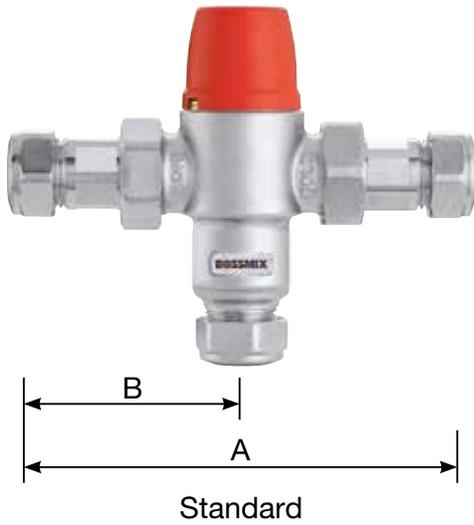
##### 15mm & 22mm Standard & Angled Connections:

- Wash hand basin - high pressure (HP-W)
- Wash hand basin - low pressure (LP-W)
- Showers - high pressure (HP-S)
- Showers - low pressure (LP-S)
- Bidets - high pressure (HP-B)
- Bidets - low pressure (LP-B)

##### 22mm Only Standard and Angled Connections:

- Baths - high pressure, fill temperature 44°C (HPT-44)
- Baths - high pressure, fill temperature 46°C (HPT-46)

Technical Specification	TMV2	TMV3
Maximum Working Pressure:	10 bar (Static)	10 bar (Static)
Minimum Working Pressure:	0.1 bar (Dynamic)	0.2 bar (Dynamic)
Maximum Pressure Ratio:	5:1 (in favour of either supply)	5:1 (in favour of either supply)
<b>Operating Pressure Range</b>		
Low Pressure:	0.1 - 1.0 bar	0.2 - 1.0 bar
High Pressure:	0.5 - 5.0 bar	1.0 - 5.0 bar
<b>Maximum Incoming Temperature</b>		
Hot	85°C (D08-65°C)	85°C (D08-65°C)
Cold	5-20°C	5-20°C
Adjustable Temperature Range:	30 - 48°C	30 - 50°C
Minimum Differential Temperature:	10°C (Between Hot & Mixed Water)	10°C (Between Hot & Mixed Water)
Stability:	-/+ 2°C	-/+ 2°C
<b>Range Options</b>		
Product Code	BOSSMIX™ Description	
86345001	15mm BOSSMIX™ TMV2 / 3 T'Static Mixing Valve incl NRV & STRNRS	
86345012	22mm BOSSMIX™ TMV2 / 3 T'Static Mixing Valve incl NRV & STRNRS	
86345023	15mm BOSSMIX™ TMV2 / 3 AC T'Static Mixing VVE+STRNRS NRVS ISOL VV	
86345034	22mm BOSSMIX™ TMV2 / 3 AC T'Static Mixing VVE+STRNRS NRVS ISOL VV	
<b>Spares</b>		
86330007	15mm CHECK VVE Kit for TMV15 T Pattern (2 Check Valves)	
86330018	22mm CHECK VVE Kit for TMV22 T Pattern (2 Check Valves)	
86330062	BOSSMIX™ TMV15AC Check VVE KIT-15mm (2 Check Valves & STRNRS)	
86330073	BOSSMIX™ TMV22AC Check VVE KIT-22mm (2 Check Valves & STRNRS)	
86330051	BOSSMIX™ TMV2/3 Internals 15mm & 22mm Standard & Angled Version	



A mm	B mm	C mm	D mm	E mm	Weight kg	Product Code
<b>Standard connection</b>						
135	67.5	105	49	56	0.5	86345001
150	75	106	49	57	0.6	86345012
<b>Angled connection</b>						
128	64	105	49	56	0.65	86345023
132	66	106	49	57	0.75	86345034

#### Materials of Construction

Body	DZR Chrome Plated
Springs	Stainless Steel
Seals	EPDM



Scan this code with your smart phone to visit the BOSSMIX™ website.