



Braukmann TM200VP

Thermostatic mixing valve
with scald protection

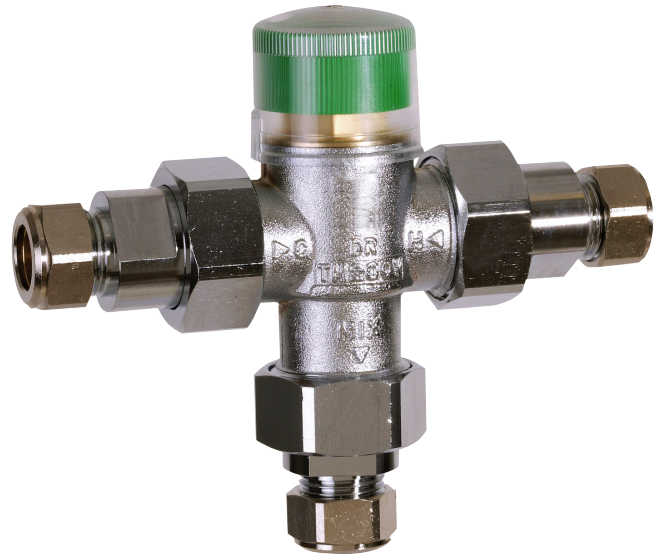
APPLICATION

Thermostatic mixing valves provide control of the water temperature and are used:

For localised control adjacent to point of use outlets.

SPECIAL FEATURES

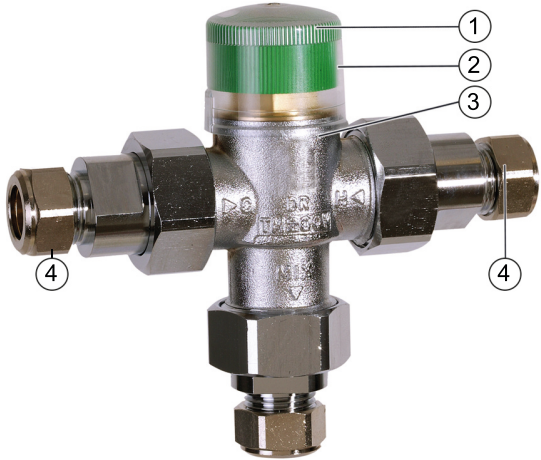
- Highly sensitive thermal element with good all-round water temperature sensing, even at low flow rates
- Simple setting of the required water temperature
- Scald protection - the hot water inlet is automatically cut off if the cold supply fails provided that the hot water inlet temperature is at least 10 K higher than that of mixed water setting
- The cold water inlet is automatically cut off if the hot supply fails
- Options with integrated check valves for cold and hot water inlet available
- Inner components are of scale-resistant materials
- WRAS approved, Certificate No. ETC/212/0403



TECHNICAL DATA

Media	
Medium:	Drinking water
Pressure values	
Max. operating pressure:	10 bar
Maximum pressure difference between hot and cold inlet supplies:	2.5 bar
Operating temperatures	
Max. hot water inlet temperature:	90 °C
Setting range:	38 - 46 °C
Control accuracy:	<±4 K
Specifications	
Flow rate at 1.0 bar pressure differential across valve:	appr. 27 l/min
Installation position:	As required

CONSTRUCTION

Overview	Components	Materials	
	1	Adjustment knob	Plastic
	2	Protective cap	Transparent plastics
	3	Housing	Dezincification-resistant brass
	4	Connectors	Brass
	Not depicted components:		
	Spring	Stainless steel	
	Moving parts	High-quality, scale-resistant synthetic material	
	Thermostat	-	
	Seals	NBR	
	Tailpieces with check valves	-	
	4 in 1 connection option offers: isolation valve, strainer, check valve and test point for 15mm and 22mm sizes	-	

METHOD OF OPERATION

As a mixing valve for hot water supply systems.

The highly sensitive thermal element located in the outlet of the valve controls a plug which regulates the flow proportions of cold and hot water in relation to the mixed hot water setting selected.

Soft seatings are fitted to both hot and cold water inlets. They provide:

- A positive hot inlet shut-off if the cold water supply is interrupted, provided that the hot water inlet temperature is at least 10 K higher than that of the mixed water setting
- The cold water supply is cut off if the hot water supply is interrupted

A protective cap is supplied with the valve to lock the mixed temperature setting.

TRANSPORTATION AND STORAGE

Keep parts in their original packaging and unpack them shortly before use.

The following parameters apply during transportation and storage:

Parameter	Value
Environment:	clean, dry and dust free
Min. ambient temperature:	5 °C
Max. ambient temperature:	55 °C
Min. ambient relative humidity:	25 % *
Max. ambient relative humidity:	85 % *

*non condensing

INSTALLATION GUIDELINES

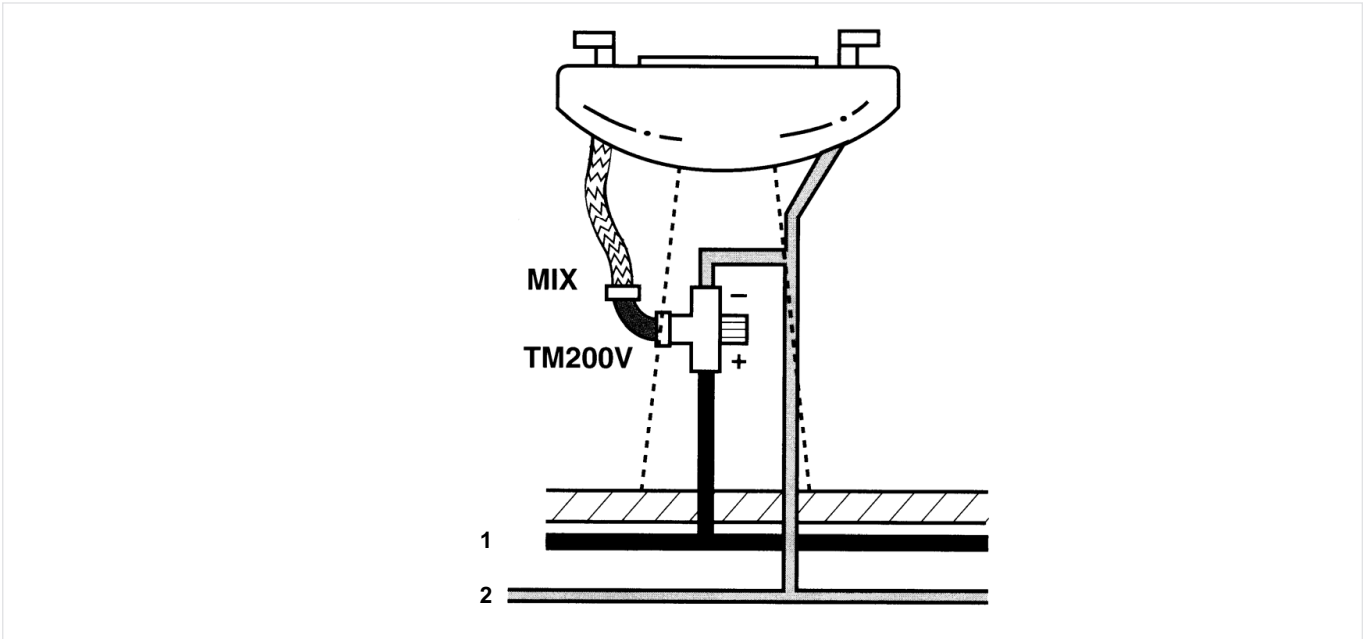
Setup requirements

- 15mm and 22mm sizes
- Inlet connections may be rotated to suit pipe work.
- Provides
 - Isolation
 - Strainer
 - Check valve
 - Test points
- Inlet valves on 15mm version are now fitted with levers, red for hot and blue for cold.

Installation Example



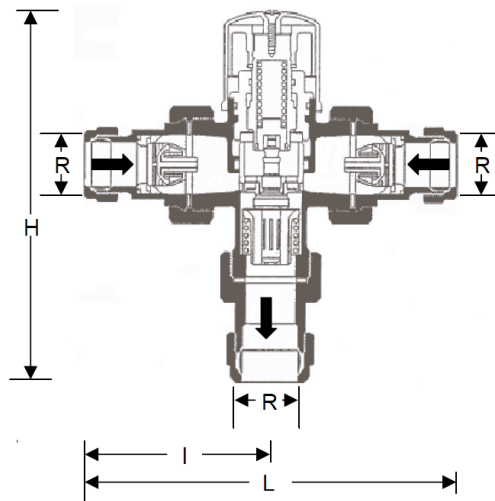
Fig. 1 4 in 1 Tailpiece option



- 1 Hot
- 2 Cold

DIMENSIONS

Overview



Parameter		TM200VP-3/4E	TM200VP-3/4H	TM200VP-3/4ZC
Connection size:	R	15 mm	22 mm	15 mm
Dimensions:	L	134	142	185*
	I	67	71	93
	H	128	136	128

* includes operating handles

Note: All dimensions in mm unless stated otherwise.

ORDERING INFORMATION

The following tables contain all the information you need to make an order of an item of your choice. When ordering, please always state the type, the ordering or the part number.

Options

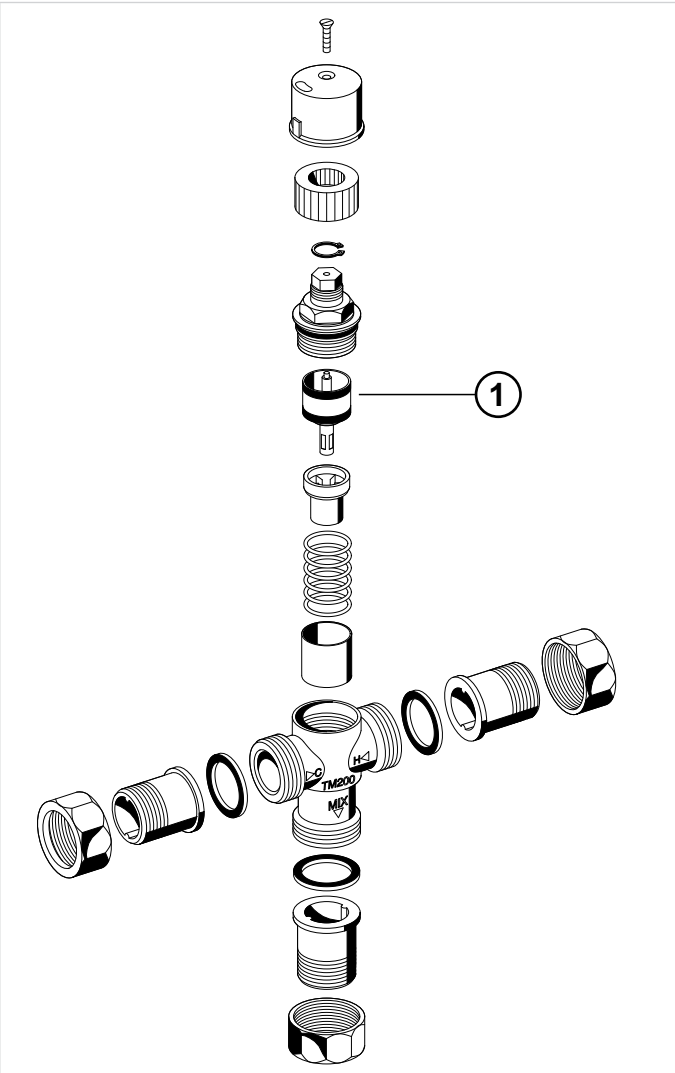
The valve is available in the following sizes: 15 mm, 22 mm.

- standard
- not available

		TM200VP-3/4E	TM200VP-3/4H	TM200VP-3/4ZC
Version:	With 15 mm compression connections	•	-	-
	With 22 mm compression connections	-	•	-
	With 15 mm connectors and 4 in 1 tailpiece	-	-	•

Spare Parts

Thermostatic mixing valve TM200, from 1996 onwards

Overview	Description	Dimension	Part No.
	1 Control piston with integral sensing element complete		
			TM200A-35/46



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and on behalf of
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