

# Tempering Valve Assemblies, TVA-ABV

Designed for solar applications and continuous flow heaters. TVA-ABV valves can also be used in all water heater applications as per TVA installation instructions.

**PLEASE NOTE: only the High Performance (orange cap) valves are suitable for solar applications.**

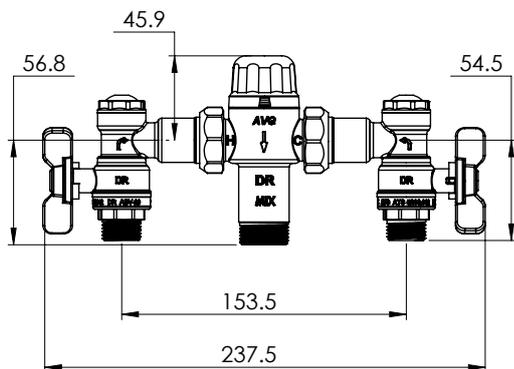
- Have been upgraded to include high-temperature components.
- Maximum hot water supply temperature 99°C.
- More accurate control:  $\pm 3^\circ\text{C}$  from set temperature (to AS4032.2).
- Fast response to pressure fluctuations.
- Forged DR bronze body.
- Advanced polymers for greater resistance to calcium deposits.
- Integral 60 mesh stainless steel line strainers.
- Integral non return valves.
- Stainless steel springs.
- O-ring seal union connectors.
- Tamper proof adjustment.
- Special adjusting tool.
- Seasonal adjustments not required.
- Will supply 50°C mix with 55°C hot supply.
- Water Mark Certification – License No. 20137.



## Specifications

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|---|--|
| • Cold Water supply temperature:  | 5°C – 25°C   |
| • Hot Water supply temperature:   | 65°C – 99°C  |
| • Adjustable outlet temperature:  | 40°C – 50°C  |
| • Factory set temperature:  | 50°C normal (must be commissioned onsite by installer) |
| • Accuracy of outlet temperature:   | $\pm 3^\circ\text{C}$ – tested to AS4032.2             |
| • Min. temperature differential (between hot supply & outlet temp):   | 15°C   |
| • Supply pressure, static:  | 1400kPa max.   |
| • Supply pressure, dynamic:   | 500kPa max.  |
| • Pressure supply imbalance, dynamic (at time of commissioning):  | 2:1 max.   |
| • Max. permitted pressure variation in either supply in order to control outlet temperature to $\pm 3^\circ\text{C}$ (from supply pressure at commissioning): | $\pm 10\%$ max.  |
| • Flow rate min.:   | 4 litres/min   |

## Dimensions



**Available in  
Stainless Steel  
PLUMBED IN BOX**

DISCLAIMER: Every care has been taken in the preparation of these instructions, which have been issued as a guide only. Compliance with the requirements of local Authorities is required at all times. These requirements may change from time to time. Always be aware of the local requirements. Subject to any statutory obligations and manufacturers warranties no liability can be accepted for any losses, consequential or otherwise which may arise or be said to have arisen from relying upon the contents of this installation instruction as to the fitness of any particular product for any particular purpose, use or application. The Australian Valve Group Pty Ltd reserves the right to modify designs and specifications and to withdraw and introduce products at any time without notice.