

## INSTALLATION GUIDANCE

# Thermostatic Pre Mixer 1/2

B&M SKU: ID09028.1-12    Idral code: 09028.1-12

## Installation sequence

- 1    Verify that the selected connection size, flow, pressure and temperature limits match the installation. Flush both supplies before fitting.
- 2    Connect hot water to the marked C inlet and cold water to the marked F inlet. Install horizontally or vertically with access for adjustment, strainer cleaning and replacement.
- 3    Do not expose the valve to installation heat, steam or freezing. Avoid excess thread sealant.
- 4    Aim for equal hot and cold dynamic pressures; observe the maximum 1:2 supply-pressure imbalance. Provide suitable pressure control where required.
- 5    Commission with the hot supply at its normal temperature. Run the nearest mixed outlet for at least one minute and measure its stabilized temperature.
- 6    Release the cap locking screw if needed. Turn clockwise for cooler water or anticlockwise for warmer water; refit and secure the cap after setting.

## Important

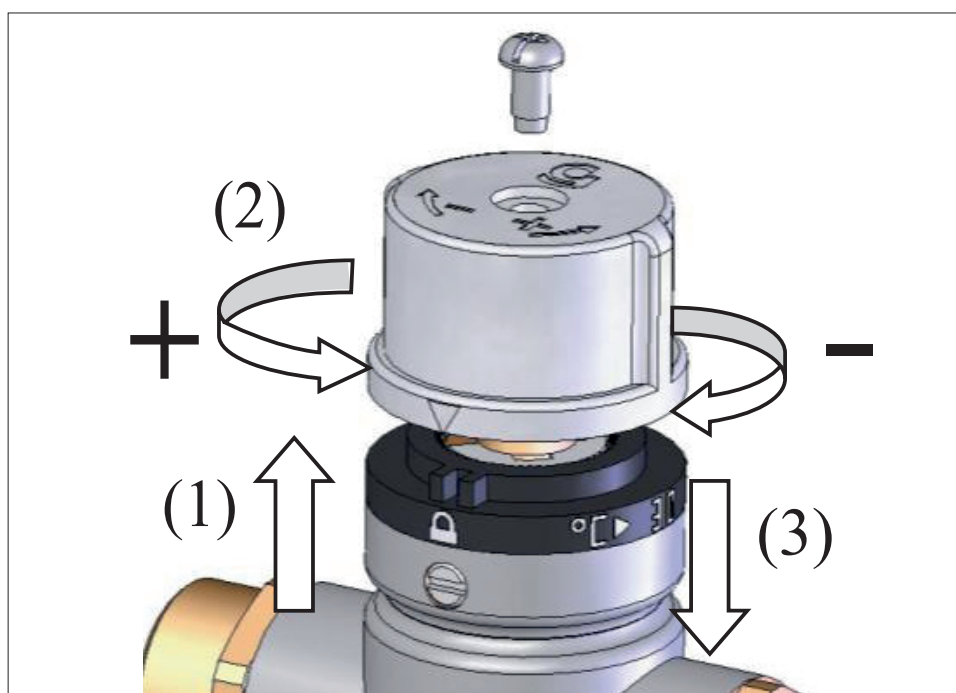
Based on Idral ISTA24-00. Minimum flow 4 l/min; dynamic pressure 0.5-6 bar; static pressure maximum 10 bar; hot inlet maximum 90 C; cold inlet 5-30 C; hot-to-mixed differential at least 15 C. Cold-failure anti-scald performance is stated only at a mixed setting of 38 C or below.

## INSTALLATION GUIDANCE

# Thermostatic Pre Mixer 1/2

B&M SKU: ID09028.1-12    Idral code: 09028.1-12

## Idral assembly details



| IT                                           | 1/2"            | 3/4"            |
|----------------------------------------------|-----------------|-----------------|
| Campo di regolazione                         | 30 a 50°C       | 35 a 65° C      |
| Temperatura alimentazione acqua calda        | 90°C max        | 90°C            |
| Temperatura alimentazione acqua fredda       | 5 to 30°C       | 5 to 30°C       |
| Temperatura minima differenziale (calda-mix) | 15°C            | 15°C            |
| Tolleranza di regolazione                    | +/- 2°C         | +/- 3°C         |
| Pressione di alimentazione statica (max)     | 10 Bar          | 10 Bar          |
| Pressione di esercizio dinamica              | 0.5 a 6 Bar     | 0.5 a 6 Bar     |
| Portata minima                               | 4 l/min         | 4 l/min         |
| Portata nominale a 3 bar                     | 30 l/min        | 55 l/min        |
| Rapporto delle pressioni in alimentazione    | 1:2 max         | 1:2 max         |
| Chiusura di sicurezza acqua calda            | fino a 38°C max | fino a 38°C max |

Source: Idral ISTA24-00 / page 11