



Attending the quality «overall»

CODE 16114

Kv 3.5



INNOVATION

Temperature Control Thermometer

New



THERMOSTATIC MIXING VALVE (SOLAR)

For Large Scale Applications, Adjustment Range 30-60°C.

Connection Tails 3/4" & 1". Built-in Strainers & Check Valves at both inputs.

Kv 3.5

Kv 1.8

CODE 16011/16014

16011: Male 1" Kv (m³/h): 3.5
16014: Male 1" 1/4 Kv (m³/h): 3.5



CODE 6043

6043: Fem. 3/4" Kv (m³/h): 1.8



INNOVATION

Temperature Control Thermometer

INNOVATION

Temperature Control Thermometer



This certifies that

BRASS FORM SA.

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

6011 & 16011 T-TYPE MIXING VALVES

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

June 2027

Certificate No.

2206305

A handwritten signature in blue ink, appearing to read 'Ian Hughes', written in a cursive style.

**Ian Hughes,
WRAS Approvals Manager**



THERMOSTATIC MIXING VALVES



16034/16114

Thermostatic Mixing Valve (Solar)

Adjustment range 30-60°C. Built in Check Valves & Strainers at both inputs.



Max Pressure: 10 bar
Max Temperature: 100 °C

| CODE | Kv (m³/h) | CONNECTION | € | □ |
|-------|-----------|--------------------------|---|---|
| 16034 | 3.5 | NUT (1") - TAIL (3/4") | | 6 |
| 16114 | 3.5 | NUT (1 1/4") - TAIL (1") | | 6 |

Included:

1. Set tail and nut with check valve and strainer.
Max inlet water temperature 60°C
2. Set tail and nut with Solar check valve and strainer.
Max inlet water temperature 120°C.
3. Set tail and nut (Free Pass)

INSTALLATION INSTRUCTIONS

Place to the hot water inlet the connection tail with the solar check valve (2) ideally for use at high temperatures (Solar) and to the cold water inlet the connection tail with the white check valve (1).

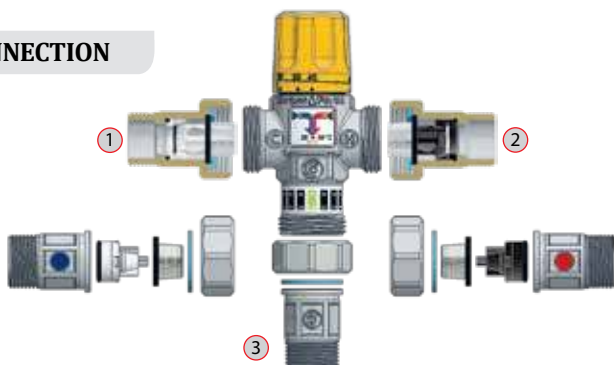
The LCD thermometer has a display range 30-60°C, is type of reversing temperature and follows in real-time the water temperature of the mixing valve's output.

The thermometer is not sticked. After the product's installation, place the thermometer to the position of your choice for the best visual inspection.

The temperature can be adjusted by turning the thermostatic valve's knob either clock wise or counterclockwise. By rotating it clockwise, the temperature of the mixed water drops, while the temperature rises when rotated to the opposite direction.

The knob of the mixing valve has a printed temperature scale providing quick and easy adjustment.

CONNECTION



16011/16014

Thermostatic Mixing Valve (Male) (Solar)

Adjustment range 30-60°C



Max Pressure: 10 bar
Max Temperature: 100 °C

| CODE | Kv (m³/h) | CONNECTION | € | □ |
|-------|-----------|-------------|---|---|
| 16011 | 3.5 | Male 1" | | 6 |
| 16014 | 3.5 | Male 1 1/4" | | 6 |

6043

Thermostatic Mixing Valve (Fem.) (Solar)

Adjustment range 30-60°C



Max Pressure: 10 bar
Max Temperature: 100 °C

| CODE | Kv (m³/h) | CONNECTION | € | □ |
|------|-----------|---------------|---|---|
| 6043 | 1.8 | Female (3/4") | | 8 |

Connection Sets (optional)

Tail & Nut with Check Valve & Strainer



| CODE | NUT | TAIL | TYPE | € | □ |
|------|--------|------|------------------------------|---|---|
| 1256 | 1" | 1/2" | NUT-TAIL | | 1 |
| 1260 | 1" | 1/2" | CHECK VALVE & STRAINER | | 1 |
| 1245 | 1" | 1/2" | SOLAR CHECK VALVE & STRAINER | | 1 |
| 3456 | 1" | 3/4" | NUT-TAIL | | 1 |
| 3460 | 1" | 3/4" | CHECK VALVE & STRAINER | | 1 |
| 3445 | 1" | 3/4" | SOLAR CHECK VALVE & STRAINER | | 1 |
| 1656 | 1 1/4" | 1" | NUT-TAIL | | 1 |
| 1660 | 1 1/4" | 1" | CHECK VALVE & STRAINER | | 1 |
| 1645 | 1 1/4" | 1" | SOLAR CHECK VALVE & STRAINER | | 1 |

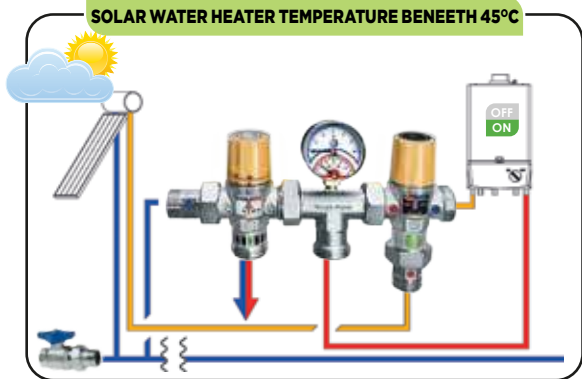
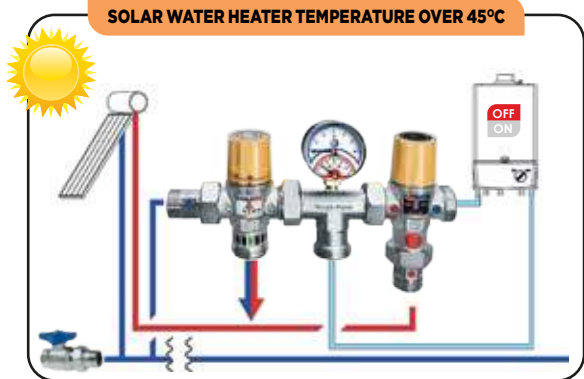


BRASS FORM INNOVATION

Check Valves and Strainers

In each solar system installation, it is recommended to install check valves to prevent reverse flow. The check valves and strainers are pre-installed in the inside of the connecting tails, to prevent the entry to impurities.

Place the tail with the black non-return valve to the inlet from the solar water heater to the **diverting valve (1)**, and the tail with the white one to the cold water inlet, from the water supply to the **mixing valve (2)**.

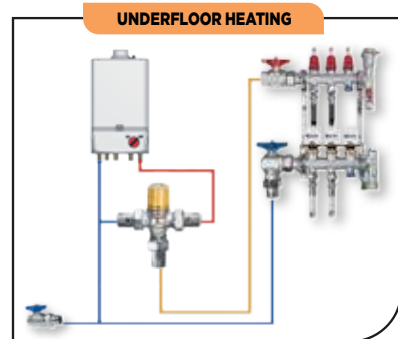
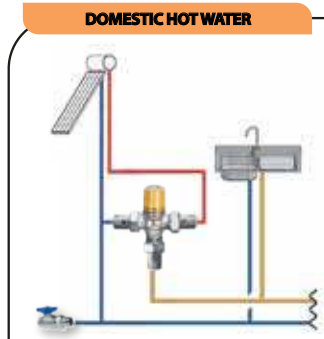


Mixing Valve Thermometer

DOMESTIC HOT WATER

BRASS FORM INNOVATION

The thermometer of the mixing valve has a temperature range from 30°C to 60°C. It is type of reversing temperature and follows the temperature of the mixed output water in real time, by changing its color to green according to the temperature.



INSTALLATION / Built in Thermometer & Temperature Sensor

The mixing valve's LCD thermometer and the diverter valve's temperature sensor are not stuck to the brass bodies. After the product installation, place the thermometers to the position of your choice, for the best visual inspection. For better affixing of the thermometers, apply them to clean and water free surfaces, and place afterwards the specially designed sunproof protection shield.

Diversion Temperature Sensor

BRASS FORM INNOVATION

The temperature sensor of the diverting valve changes color between green and red, depending on the water temperature in the inlet.

