This compact mixing valve made of brass in sizes from ½” to 1 ¼” for use in heating and cooling installations. It is designed to provide good control characteristics and reliability in operation. The valve is also available with sweat connections in sizes ¾”, 1” and 1 ¼”.

This valve is normally equipped with a knob for manual operation and is also suitable for automatic control.

These can be used in mixing or diverting applications. Some typical installations are shown below.

The 4 way version has a double mixing function, i.e. a proportion of the hot water supplied by the boiler is mixed with the return water. This results in a higher return water temperature than can be achieved with a 3-way valve, thereby reducing the risk of corrosion and assuring a longer life for the boiler.