

Thermal mixing valves ATM




- High accuracy, fast response
- With integrated scald protection
- Maintenance-free
- Ideal for showers and smaller underfloor heating circuits
- Cap with scale window, ready for lead sealing (ideal for public buildings)



Application Universal units for controlling hot water in sanitary applications, solar-heated hot water storage tanks according to flow principle or for smaller underfloor heating circuits which are directly connected to the flow (max. 60 °C). Also for panel heating systems such as wall or underfloor heating systems which require a constant mixed water temperature to avoid damage to floors and pipes. Suitable for drinking water or water with up to 50 % glycol.

Description Thermal mixing valve as per EN 1111 with base made of brass and upper part and control knob made of high-strength plastic. With temperature scale (20/43 °C or 35/60 °C) for easy adjustment of the temperature of the water to be mixed. A cap protects the control knob against improper operation; it can be lead-sealed to help prevent unwanted adjustments. The selected adjustment is visible through the window in the cap. If the cold water supply is interrupted, the mixing valve automatically closes the hot water supply to protect against scalding. The new chamber geometry also helps to avoid damage caused by overpressure during closing (backflow preventer cold water side). Due to the internal geometry and the materials used for the control surfaces, control errors or failure (resulting, for example, by lime deposits on the sealing surfaces) are practically excluded. ATM is maintenance-free.

Technical specifications

Operating temperature range

Medium: Max. 90 °C
(short-term 110 °C)

Nominal pressure

Max. 10 bar
Dynamic operating pressure: Max. 5 bar

Flow rate

Flow coefficient 1.6 m³/h or 2.5 m³/h

Accuracy

± 2 °C (EN 1111)

Material

Housing: Brass (CW626N),
dezincification-resistant

Upper part: Plastic (ABS)

Control knob: Plastic (ABS)

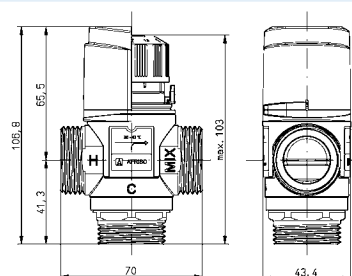
Seals: EPDM

Connection

Male or female threads (see table)



Control knob with temperature scale



DG: G, PG: 2	DN	Flow coefficient value	Connection	Temperature	Part no.	Price €
ATM 341	15	1.6 m ³ /h	G ³ / ₄ male thread	20 / 43 °C	78247	
ATM 343	15	1.6 m ³ /h	G ³ / ₄ male thread	35 / 60 °C	78246	
ATM 331	20	1.6 m ³ /h	Rp ³ / ₄ female thread	20 / 43 °C	78249	
ATM 333	20	1.6 m ³ /h	Rp ³ / ₄ female thread	35 / 60 °C	78248	
ATM 361	20	1.6 m ³ /h	G1 male thread	20 / 43 °C	78245	
ATM 363	20	1.6 m ³ /h	G1 male thread	35 / 60 °C	78244	
ATM 561	20	2.5 m ³ /h	G1 male thread	20 / 43 °C	78283	
ATM 563	20	2.5 m ³ /h	G1 male thread	35 / 60 °C	78284	