

VALVES AND WATER CONTROL

Mixing Valves

PRODUCT OVERVIEW

Thermostatic mixing valves (anti-scald) are used in domestic hot-water distribution networks to maintain the mixed water at a constant temperature despite variations in the temperature of hot water supplied by a solar system or combi boiler.



TECHNICAL SPECIFICATIONS

TKV & Solar AV Operating Principle	Automatic; a heat-sensitive element proportionally regulates the hot/cold water inlet
Safety (Anti-Scald)	If the cold-water supply is interrupted, it closes the hot-water inlet to prevent scalding (thermal shut-off)
Adjustment mechanism	Thermostatic adjustment cartridge and return spring (replaceable cartridge)
Inlet temperatures	Cold water: 10°C / Hot water: 70°C
Outlet and operating limits	Outlet stability: $\pm 3^{\circ}\text{C}$ / Max. operating temperature: 100°C
Pressure values	Max. operating pressure: 10 bar / Dynamic supply: 5 bar / Pressure loss: 10:1
Body	Nickel-plated brass or bronze (DN25-DN40 models)
Cover / internal parts	Polystyrene (plastic) cover / stainless-steel (SS 1.4301) internal parts
Domestic water limits	Max. distribution: 48°C (+5°C tol.) / User: 36-38°C or 42-50°C
TKV Series (dimensions in mm) (Type / Connection / Kvs / L x H x W)	

Technical values summarise the product family. Options, dimensions and operating limits must be confirmed for the selected model.