

Anti-scale adjustable thermostatic mixing valves

521 series



Function

The thermostatic mixing valve is used in systems that produce domestic hot water.

It is designed to maintain the preset temperature of the mixed water delivered to the user outlet, when there are variations in the temperature and pressure of the hot and cold water at the inlet, or in the drawn-off flow rate.

These devices are also available with fittings complete with strainers and check valves on the hot and cold water inlets.

Product range

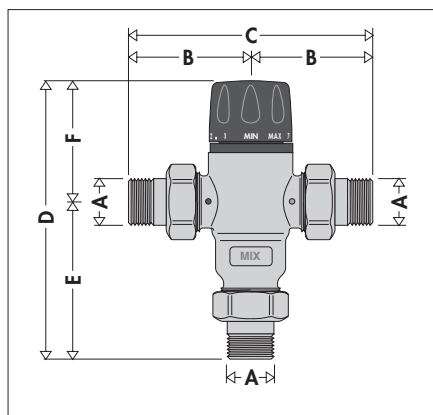
Code 521400/500	Thermostatic mixing valve	sizes 1/2", 3/4"
Code 521503	Thermostatic mixing valve with check valves at the inlet	size 3/4"
Code 521115/122	Thermostatic mixing valve with check valves and strainers at the inlet	sizes Ø 15 and Ø 22 for copper pipe

Technical specifications

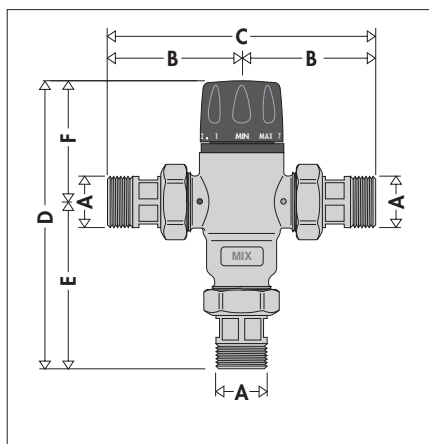
Materials: - body:	dezincification resistant alloy CR
	EN 12165 CW602N, chrome plated
- obturator:	PPO
- springs:	stainless steel
- seal elements:	EPDM
Adjustment temperature range:	30–65°C
Accuracy:	±2°C
Max. working pressure (static):	14 bar
Max. working pressure (dynamic):	5 bar
Max. inlet temperature:	85°C

Max. inlet pressure ratio (H/C or C/H):	2:1
Minimum temperature difference between inlet hot water and outlet mixed water to ensure optimal performance:	15°C
Minimum flow rate to ensure optimal performance:	5 l/min
Performance in compliance with standard EN 1287.	
Connections:	- 1/2" and 3/4" M with union - Ø 15 and Ø 22 with nut

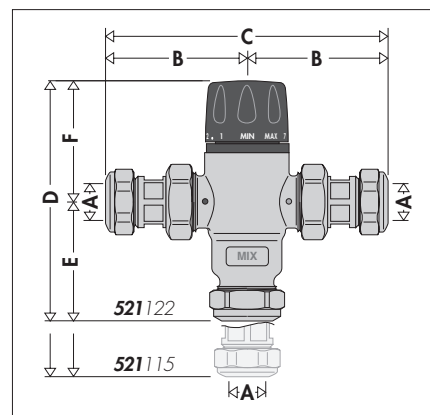
Dimensions



Code	A	B	C	D	E	F	Mass (kg)
521400	1/2"	67	134	152	86,5	65,5	1,11
521500	3/4"	67	134	152	86,5	65,5	1,12



Code	A	B	C	D	E	F	Mass (kg)
521503	3/4"	71,5	143	156,5	91	65,5	1,21



Code	A	B	C	D	E	F	Mass (kg)
521115	Ø 15	79	158	163,5	98	65,5	1,30
521122	Ø 22	80,5	161	132	66,5	65,5	1,42