

5230

mixcal mixpro® thermostatic  
mixing valves



altecnic  
CALEFFI group

# 5230 mixcal mixpro® thermostatic mixing valve



## Application

Thermostatic mixing valves are used to maintain the domestic hot water supplied to the user at a constant and safe temperature, when variations in the hot and cold water supply conditions and draw off flow rates occur.

The mixcal mixpro® range has been designed especially for centralised systems which demand high flow rates, for example with multiple outlets such as shower and wash basins.

## Operating Principle

The controlling element of the mixing valve is a temperature sensor fully immersed in the mixed water outlet port, which expands or contracts, continually maintaining the correct proportion of hot and cold water entering the valve.

Even when the supply pressures drop, due to draw off of hot and cold water by other users on the same system, or variations in the incoming water temperatures, the mixing valve automatically responds and maintains the mixed outlet water at the required temperature.

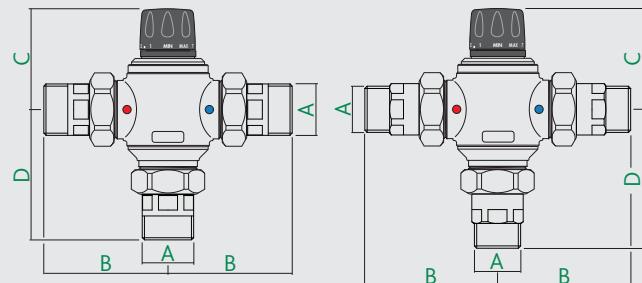
## Construction Details

Component	Material	Grade	
Body	Brass	BS EN 12165 CW617N	
Cartridge & Shutter	Brass	BS EN 12165 CW614N	
Springs		Stainless steel	
Seals		EPDM	
Product Code	Size	Connection	Type

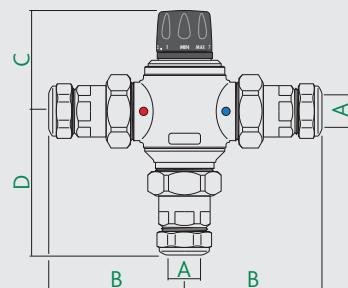
## 5230 Range

523040	1/2"	screwed iron	M x M x M without check valve
523050	3/4"	screwed iron	M x M x M without check valve
523060	1"	screwed iron	M x M x M without check valve
523070	1 1/4"	screwed iron	M x M x M without check valve
523080	1 1/2"	screwed iron	M x M x M without check valve
523090	2"	screwed iron	M x M x M without check valve
523053	3/4"	screwed iron	M x M x M with check valve
523063	1"	screwed iron	M x M x M with check valve
523073	1 1/4"	screwed iron	M x M x M with check valve
523052	22 mm	compression	Cu x Cu x Cu with check valve
523062	28 mm	compression	Cu x Cu x Cu with check valve

## Dimensions



Prod Code	A	B	C	D	kg
523040	R 1/2	85	74	95	1.65
523050	R 3/4	85	74	95	1.68
523060	R 1	101	88	107	3.07
523070	R 1 1/4	101	88	107	3.09
523080	R 1 1/2	129	108	135	8.00
523090	R 2	129	108	135	8.24
523043	R 1/2	91	74	101	1.69
523053	R 3/4	91	74	101	1.72
523063	R 1	111	88	114	3.20
523073	R 1 1/4	111	88	114	3.22



Prod Code	A	B	C	D	kg
523052	Ø22	92	74	102	1.80
523062	Ø28	116	88	119	3.31

## Technical Data

Max. working pressure:	14 bar - Static 5 bar - Dynamic
Max. inlet temperature:	85°C
Max. inlet pressure ratio (H/C or C/H):	2:1
Accuracy:	±2°C
Setting Range:	1/2" to 1 1/4" 1 1/2" and 2" 22 and 28 mm
	30 to 65°C 30 to 60°C 30 to 65°C
Male threads:	BS EN ISO 228-1
Compression ends:	BS EN 1254-2

## Kv Values

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Kv	m³/h					
523040	4.0	4.5	6.9	9.1	14.5	19.0
523050						
523060						
523070						
523080						
523090						
523043						
523053						
523063						
523073						
523052						
523062						

Altecnic Ltd Francesco House, Staples Close, Stafford ST16 1WQ

T: +44 (0)1785 218200 E: sales@altecnic.co.uk

Registered in England No: 02095101

altecnic.co.uk

AL 016 18-06-25

E & O.E

© Altecnic Limited. 2025

ALTECNIC™

**altecnic**  
CALEFFI group