

5230

mixcal mixpro® thermostatic  
mixing valves



**WRAS**  
APPROVED  
PRODUCT

altecnic

# 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 - chrome plated	BS EN 12165 CW617N
Cartridge & Shutter	Brass	BS EN 12165 CW614N
Springs	Stainless steel	
Seals	EPDM	

Product Code	Size	Connection	Type
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### 5230 Range

523040*	½"	screwed iron	M x M x M without check valve
523050*	¾"	screwed iron	M x M x M without check valve
523060	1"	screwed iron	M x M x M without check valve
523070	1¼"	screwed iron	M x M x M without check valve
523080	1½"	screwed iron	M x M x M without check valve
523090	2"	screwed iron	M x M x M without check valve
523053	¾"	screwed iron	M x M x M with check valve
523063	1"	screwed iron	M x M x M with check valve
523073	1¼"	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



## E & O.E

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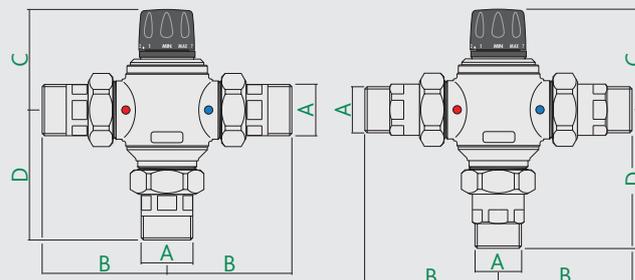
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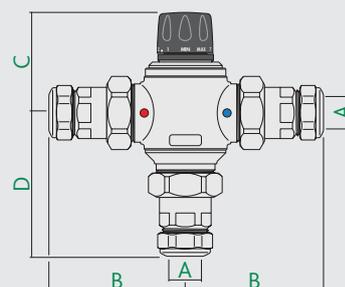
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## Dimensions



Prod Code	A	B	C	D	kg
523040	R½	85	74	95	1.65
523050	R¾	85	74	95	1.68
523060	R1	101	88	107	3.07
523070	R1¼	101	88	107	3.09
523080	R1½	129	108	135	8.00
523090	R2	129	108	135	8.24
523043	R½	91	74	101	1.69
523053	R¾	91	74	101	1.72
523063	R1	111	88	114	3.20
523073	R1¼	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:	½" to 1¼" 1½" and 2" 22 and 28 mm
Male threads:	BS EN ISO 228-1
Compression ends:	BS EN 1254-2

## Kv Values

Size	½"	¾"	1"	1¼"	1½"	2"
Kv m³/h	4.0	4.5	6.9	9.1	14.5	19.0