



ADJUSTABLE THERMOSTATIC MIXING VALVE

CONNECTIONS: FEMALE - FEMALE



DESCRIPTION

The adjustable thermostatic mixing valve is installed on storage boilers for hot sanitary water in order to regulate the hot water temperature for the comfort and safety of the end users. This valve automatically mixes the hot water coming from the storage boiler with cold water from the main, bringing it to the desired temperature, no matter what the supply conditions are (pressure, temperature or required flow rate). The anti-burn safety device automatically cuts down the hot water supply, in case there is no pressure on the cold water connection and as a consequence there is a risk of burning.

Also in case the hot water supply should be interrupted unexpectedly, the device will block also the cold water supply in order to avoid any unpleasant thermic shocks.

TECHNICAL FEATURES

Pressures:

maximum static working pressure	10 bar
maximum dynamic working pressure	5 bar
maximum allowable differential inlet pressures	2÷1
minimum flow rate for a correct functioning	9 l/min.

Temperature:

maximum inlet temperature	90°C
minimum ΔT between inlet hot water and outlet mixed water to guarantee the anti-burn safety block	10°C
setting range	30° ÷ 65°C
accuracy	± 2°C

Hydraulic features:

flow coefficient Kv (m ³ /h)	1,3 ÷ 1,4
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Fluids compatible:

water

Threading:

pipeline connection threads according to ISO 228/1

Requirements and tests as per:

in compliance with EN 1111, EN 1287

DESIGN

Body	brass EN 12165 - CW625N (CR brass) chrome plated
Cap	ABS
Internal parts	brass UNI EN 12164 CW617N - UDEL GF-120 NT
Calibration spring	stainless steel AISI 302
Sealing gaskets	EPDM perox
Thermo-sensitive element	wax

PRODUCT CODES

0518.315	1/2"	F/F
0518.320	3/4"	F/F
0518.325	1"	F/F

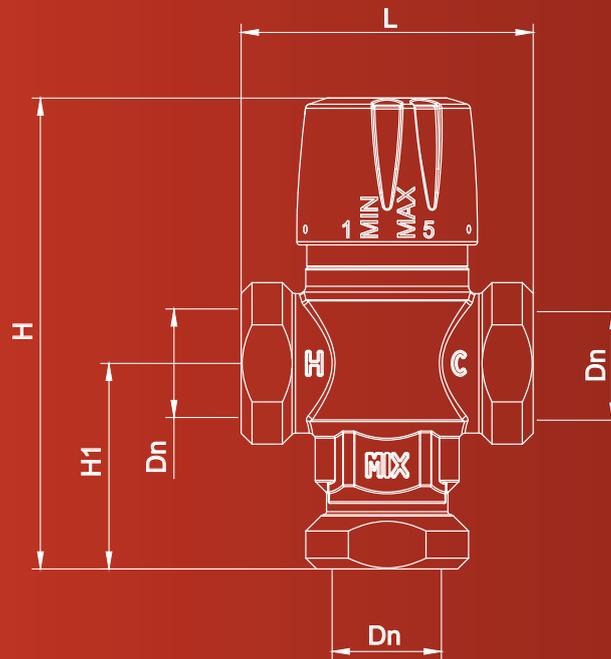


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0518.3 • 1/2" ÷ 1"

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FEATURES

Dn	L [mm]	H max [mm]	H1 [mm]	Kv
1/2"	59	97	42	1.3
3/4"	64	102	47	1.8
1"	79	114	55	2.7

HEAD LOSS DIAGRAM

