

SUNSHINE 0440.0 • 3/4" - 1"

SUNSHINE 0440.1 • 1/2" - 3/4"

SUNSHINE 0440.2 • 1/2" - 3/4"

ADJUSTABLE THERMOSTATIC MIXING VALVE SUNSHINE



CONNECTIONS: MALE
DISMANTLING FITTINGS MALE
DISMANTLING FITTINGS MALE WITH INCORPORATED CHECK VALVE AND STRAINER



0440.0



0440.1



0440.2

DESCRIPTION

The adjustable thermostatic mixing valve **Sunshine** can be installed on solar 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 solar 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-burning safety device automatically shuts 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 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	100°C
minimum ΔT° difference 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
Flow rate:	
flow coefficient Kv (m ³ /h)	1,3 ÷ 1,4
Compatible fluids:	
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	PBT
Internal parts	brass UNI EN 12164 CW617N - UDEL GF-120 NT
Calibration spring	stainless steel
Sealing gaskets	EPDM perox
Thermo-sensitive element	wax

PRODUCT CODES

0440.020 male 3/4"	0440.115 dism. fittings male 1/2"	0440.215 dism. fittings male 1/2" with check valve and strainer
0440.025 male 1"	0440.120 dism. fittings male 3/4"	0440.220 dism. fittings male 3/4" with check valve and strainer



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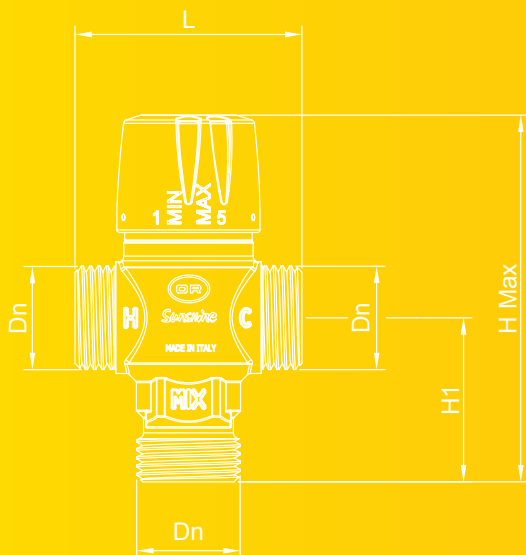
SUNSHINE 0440.0 • 3/4" - 1"

SUNSHINE 0440.1 • 1/2" - 3/4"

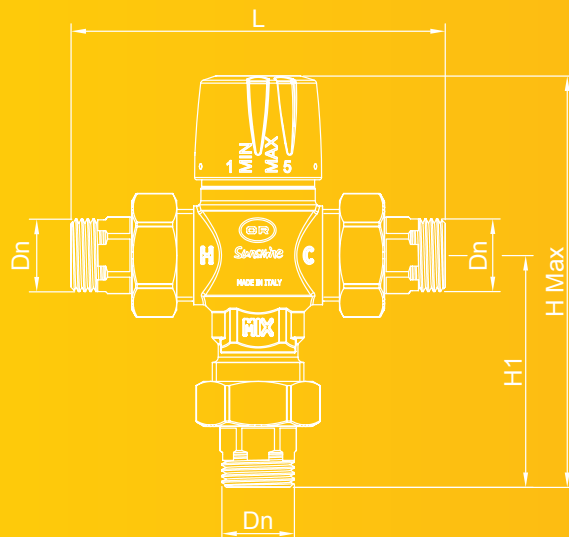
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CONNECTIONS: MALE
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0440.0



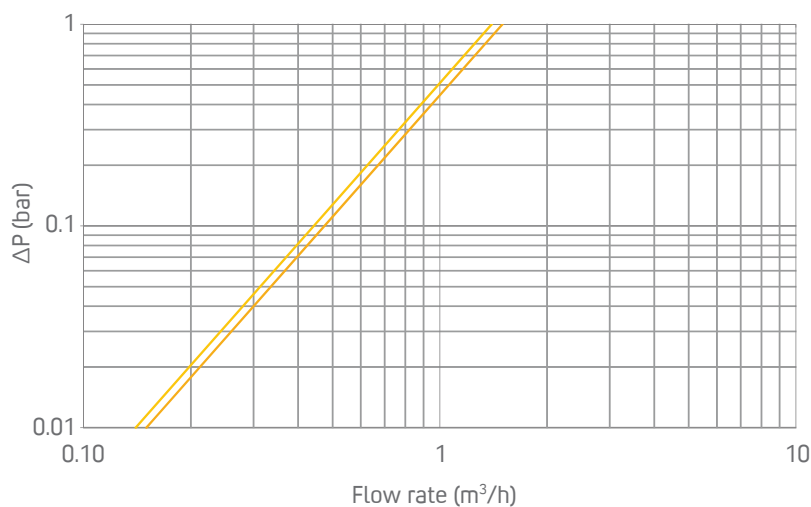
0440.1 - 0440.2

FEATURES

Dn	L [mm]	H max [mm]	H1 [mm]
3/4"	58	97	42
1"	59	97	42

Dn	L [mm]	H max [mm]	H1 [mm]
1/2"	108	122	67
3/4"	118	127	72

HEAD LOSS DIAGRAM



0440.0

0440.1 - 0440.2