2620

thermostatic diverting valve
for solar systems

altecnic
CALEFFI group

2620 thermostatic diverting valve for solar systems

Application

This thermostatic diverting valve is used in solar thermal systems that produce hot water for domestic purposes.

It's function is to divert the water coming from the solar collector directly to the users or to a storage cylinder.

The Altecnic 2620 diverting valve can work continuously with hot water supplied at high temperatures from the solar panels

Construction Details

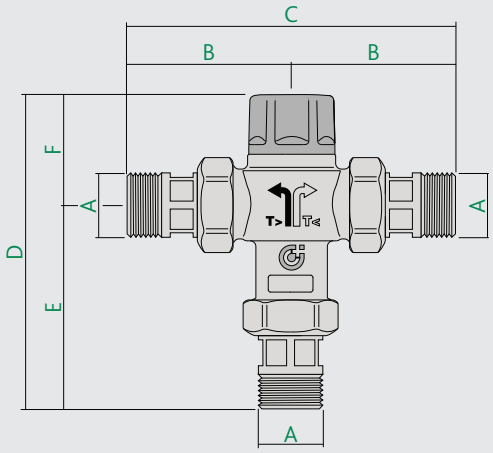
Component	Material	Grade
Body	DZR Copper Alloy Chrome plated	BS EN 12165 CW724R
Obturator	Polymer	PSU
Springs	Stainless steel	BS EN 10270-3
Seals	EPDM elastomer	

Technical Data

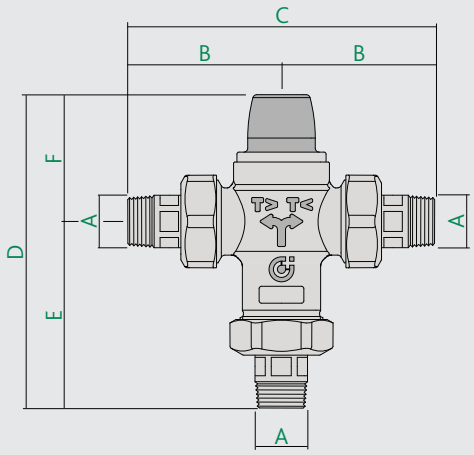
Adjustment range:		35 to 55˚C
	Code - 262055	38 to 52˚C
Accuracy:		±2%
Max. working pressure (static):		10 bar
Max. working pressure (dynamic):		5 bar
Max. inlet temperature:		100˚C
Factory setting:		45˚C
Min. flow rate for stable operation:		4 l/m
Connections:	½' & ¾"	BS EN ISO 228-1
	Code - 262055	BS EN10226-1

Product Code	Size	Connection	Type
262040	½"	screwed iron	M x M with union
262050	½"	screwed iron	M x M with union
262055	½"	screwed iron	M x M with union

Dimensions

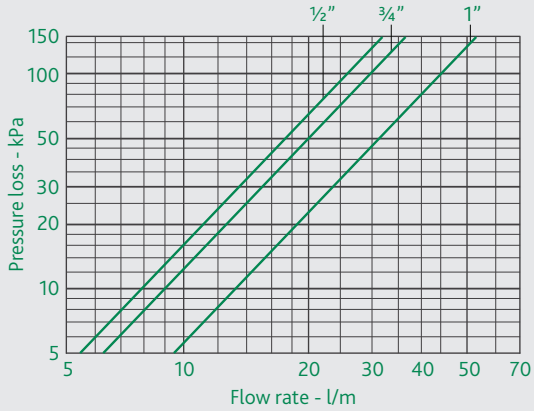


Prod Code	A	B	C	D	E	F	kg
262040	G½B	62	124	119.5	77	42.5	0.77
252050	G¾B	62	124	119.5	77	42.5	0.79



Prod Code	A	B	C	D	E	F	kg
262055	R1	78.5	157	159.5	95.5	64	1.44

Hydraulic Characteristics



Code	Size	Kv (m3/h)
262040	½"	1.5
262050	½"	1.7
262055	½"	2.6

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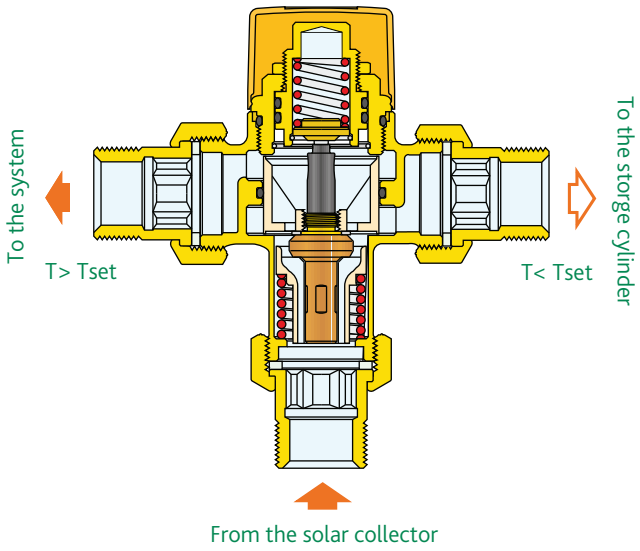
Operating Principle

The thermostatic element is fully immersed in the inlet water flow.

It contracts or expands, moving an obturator which controls the water flow to the two outlets.



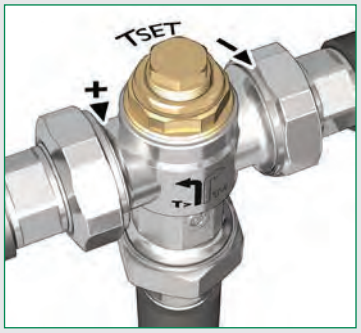
Construction Details

The thermostatic diverting valve features a built-in sensor, which is immersed directly in the flow of hot water coming from the solar collector.

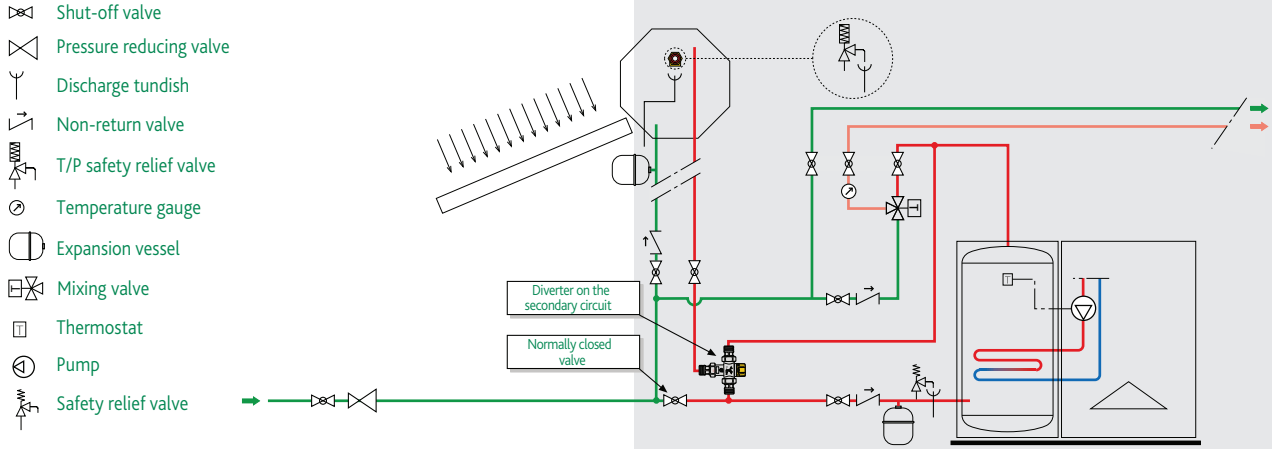
Through the action of the thermostat controlling the obturator movement, the flow rate is adjusted proportionally and automatically, without the need for external power sources, this means there is no need for other temperature probes in the circuit and electrical wiring.

Temperature Adjustment

The temperature adjustment is made using the adjusting screw.



Application Diagram



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