

Commercial

thermostatic radiator valves - non reversible

SD 025 07-07-2020

Application

Thermostatic valves are typically used to regulating the flow to radiators in central heating systems.

A thermal regulating element automatically controls the opening of the valve to keep the ambient temperature of the room constant at the set value.

This prevents temperature fluctuations in the room and achieves considerable energy savings.

The thermostatic controller has a '0' setting which prevents flow but then positive isolation is required the manual cap must be used.

The frost setting prevents the radiator and pipework from freezing and causing damage to floor coverings and structural items from flooding (the heating system must be operating for this protection).

The Ecocal™ thermostatic head meets the latest European standards including TELL 'I' rating.

The manual isolation cap supplied with the valve body should be used to isolate the valve for long periods and should be used if the radiator is removed during decoration.

Construction Details

Component	Material	Grade
Body	Brass chrome plated	BS EN 12165 CW617N
Union nut	Brass chrome plated	BS EN 12164 CW617N
Tailpiece	Brass chrome plated	BS EN 12164 CW614N
Stem	Stainless steel	
'O' ring seals	EPDM	
TRV insert assembly	Brass with EPDM disc facing	
Manual operator	Thermoplastic	ABS - RAL 9010
TRV controller cover	Thermoplastic	ABS - RAL 9010

Product Range

Ref No	Size	Body Style	Head Finish
220402	½" x ½"	Angled	
220500	¾" x ¾"	Angled	
221402	½" x ½"	Straight	
221500	¾" x ¾"	Straight	
224402	½" x ½"	Horizontal sensor	
CA-200000	Ecocal™ thermostatic controller		White

NOTE: When ordering commercial radiator valves with Ecocal™ thermostatic controller, the valve body and operator must be ordered as separate items.

Technical Data

Valve body

Medium:	water, glycol solution
Max. percentage of glycol:	30%
Max. working pressure (static):	10 bar
Working temperature range:	5 to 100°C

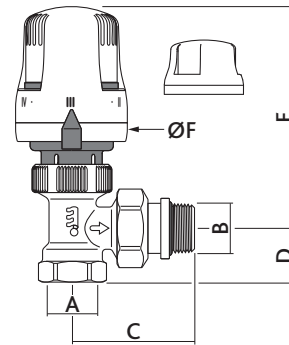
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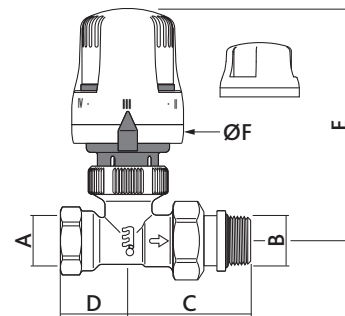
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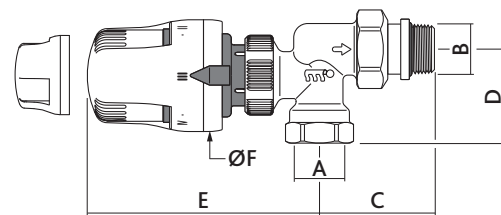
Dimensions



Ref No	A	B	C	D	E	F
220402	Rp½	R½	54	23	100	48
220500	Rp¾	R¾	62	26	100	48



Ref No	A	B	C	D	E	F
221402	Rp½	R½	54	29	104	48
221500	Rp¾	R¾	62	35	104	48



Ref No	A	B	C	D	E	F
224402	Rp½	R½	54	29	104	48

Thermostatic controller

Max. differential pressure:	1 bar
Scale of adjustment:	※ to V
Temperature setting range:	0°C to 28°C
Frost setting:	7°C
Max. ambient temperature:	50°C