

Commercial Pre-settable

thermostatic radiator valves

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Application

The Altecnic range of pre-settable radiator valves are used to control the room temperature by regulating the flow of hot water into the radiator or other heat emitter.

The maximum flowrate to each radiator can be pre-set enabling the temperature in each room to be controlled individually, thus saving energy.

The Ecocal™ thermostatic head automatically controls the opening of the valve to keep the ambient temperature of the room constant at the set value.

Their aesthetic design satisfies the requirements of modern commercial buildings and domestic interiors.

The inlet connection is a female pipe thread to BS EN 10226 for use with steel pipe or an adaptor for other pipe systems.

The outlet connection is a union tailpipe with an 'O' ring and external pipe thread to BS EN 10226.

Supplied with manual cap for stem protection and manual isolation.

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	Valve
421402	½" x ½"	Angled	Body only
422402	½" x ½"	Straight	Body only
CA-200000	Ecocal™ thermostatic controller		

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

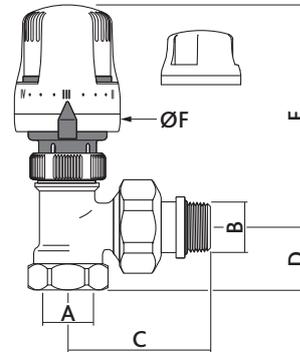
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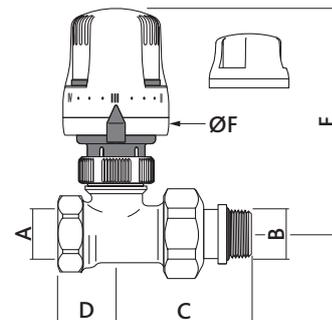
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Dimensions



Ref No	A	B	C	D	E	F	kg
220402	Rp½	R½	53.5	23	100	48	0.242



Ref No	A	B	C	D	E	F	kg
221402	Rp½	R½	52	22	103	48	0.242

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

Pre-setting Device

The Altecnic pre-settable radiator valve has an internal flow controller which determines the head loss characteristics of the valve.

The flow controller has predetermined flow passages or 'orifices' which are selected by rotating the selection disc in the cartridge to create the required resistance.

Each flow passage or 'orifice' as a predetermined cross section to create a specific Kv value, which corresponds to the setting positions on the indicator visible through the window in the selection disc.