

CONTROL VALVE

# Self-operated Temperature Regulator

REF **EFC-460** ISSUED 06 Jul 2026

## SPECIFICATIONS

Size	<b>DN15 to DN125</b>
Pressure	<b>PN16 to PN40</b>
Temperature	<b>80°C to 350°C</b>
Media	<b>Non-corrosive liquids, Gases, Steam, Vapours</b>

## ACTUATION

- Self-operated (medium temperature as power source) — Gas-bag type over-temperature protection structure; over-temperature allowance of 100°C

## APPLICATIONS

- Petrochemical industry temperature control
- Metallurgy temperature control
- Chemical engineering temperature control
- Energy sector temperature control
- Papermaking industry temperature control
- Light industry temperature control
- Urban centralised heating systems
- Heating systems



Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

## MATERIALS

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Body	<b>WCB, WCC, LCB, LCC, CF8, CF8M, CF3, CF3M</b>	Valve trim	<b>Stainless Steel Bellows</b>
Stem seal	<b>O-ring</b>		

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## FEATURES

- No external driving energy required; medium temperature serves as power source
- Stainless steel bellows pressure-balance valve core reduces force on valve core under differential pressure
- O-ring sealed valve stem with reduced friction compared to packing seal
- Heating type (temperature-closed) and cooling type (temperature-open) temperature controllers are interchangeable
- Gas-bag type over-temperature protection structure permits over-temperature of 100°C
- Independent instrument control system integrating detection, control, and execution functions

## OPTIONS & NOTES

- Working condition listed as 'optional' for model selection
- Key components stated as imported products