

Temperature Regulators

For Steam, Water and Non-Corrosive Liquid Service

Armstrong self-actuated temperature regulators are compact, high performance units that are simple in design and operation—and suitable for a wide variety of applications.

Features including flexible mounting positions of the sensor, interchangeable capillaries and varied temperature ranges make installation, adjustment and maintenance quick and easy.

Color coded handles (red for heating and blue for cooling) make for easy identification in the field.

Easy no-tools temperature adjustment with a simple turn of the handle.

Cast bronze body permits liquid service to 250 psi and steam service to 150 psi.

Main valve seat materials are stainless steel and Teflon® for high durability and positive sealing.

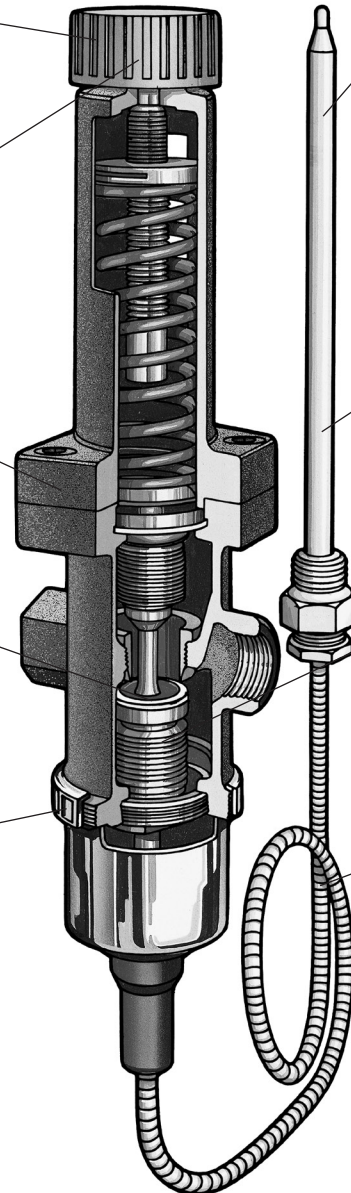
Quick installation and removal of sensor from main body means easy temperature range changes.

Sensor temperature endurance—+72°F of the maximum value of the temperature regulation range. Gas-charged capillary eliminates chance of capillary charge mixing with process in case of breakage. Sensor can be mounted in any position.

Sensors are standard for both heating and cooling for all sizes (1/2" - 1"). Standard capillary units for heating or cooling are accurate to within ±7°F.

A single valve with bellows and balancing mechanism ensures stable regulation. Not affected by pressure fluctuation.

Braided stainless steel capillary protects against crimping.



Temperature Regulator Valve Selection							
If the Service Is	If Inlet Pressure is psig (bar)	Type of Control	Temperature Ratings °F (°C)	Temperature Accuracy °F (°C)	If Maximum Capacity Is Less Than	Look for Model	Find on Page
Heating	5 to 150 (.34 to 10)	Self Contained Direct Acting	From 32 to 302 (0 to 150) 5 Ranges	±7 (±3) From set point	1,745 (792)	OB-30	304
	5 to 15 (.34 to 1)	Self Contained Pilot Operated	From 18 to 361 (-7 to 183) 6 Ranges	±2 (±1) From set point	5,643 (2,565)	OB-2000L	308
	10 to 300 (.69 to 20)				58,032 (26,323)	OB-2000 OB-2000PT	306 310
Cooling	5 to 250 (.34 to 17)	Self Contained Reverse Acting	From 32 to 302 (0 to 150) 5 Ranges	±7 (±3) From set point	70 gpm (308 m3/hr)	OB-31	304

Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit www.armstronginternational.com for up-to-date information.