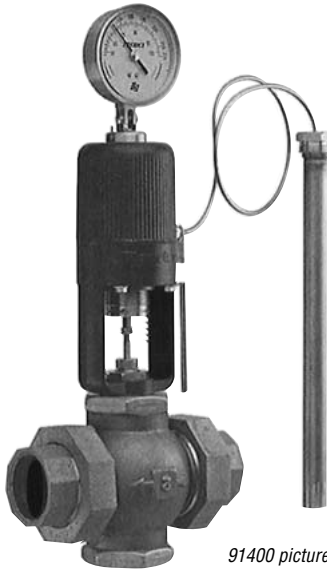


TRERICE REGULATORS

Temperature Regulator 91000 Series "The Self-Op"



91400 pictured

Self-Operating Design
Indicating, Non-Indicating or Safety Models Available
Heavy Duty Die Cast Aluminum Housing
1/2" thru 6" Valve Sizes

The Series 91000 Self-Operating Temperature Regulator is the preferred choice of original equipment manufacturers, mechanical contractors and specifying engineers. This regulator requires no external power source and is ideal for regulating the temperature of tanks, process streams and various industrial equipment. The actuator is noted for its rugged, die cast aluminum housing. The Model 91400 is furnished with an adjustable dial thermometer to allow the operator to verify the process temperature. The Model 91600 Fail-Safe Actuator is designed to cause the valve to fail in the safe control position (open in a cooling application, closed in a heating application) should accidental damage to the thermal system occur, resulting in loss of the pressure charge.

For optimal performance, the service conditions (medium, flow, temperature, inlet and outlet pressures) of the application must be considered when selecting a valve. For applications where the process media may be corrosive or contained under pressure, the use of a thermowell is required to prevent damage to the regulator bulb and facilitate its removal from the process. Improper application may cause failure of the valve, resulting in possible personal injury or property damage.

Specifications

Models
91000 (Non-Indicating)
91400 (Indicating)
91600 (Fail-Safe)

Power Requirements
Fully self-contained—no external power required

Dial Thermometer
3-1/2" dial, stainless steel case, swivel and angel adjustment (Model 91400 only)

Housing
Die cast aluminum, epoxy powder coated blue finish

Set Point Scale
Integral to housing

Bellows
High pressure brass, corrosion resistant, tin plated finish

Adjustment Screw
Brass

Adjustment Screw Bushing
Lubricant impregnated sintered bronze

Range Adjustment Spring
Cadmium plated

Overrange Protection
Upper range limit + 100°F for temporary situations (not available for Model 91600)

Approximate Shipping Weight

Actuator—
91000: 6.0 lbs (2.70 kg)
91400: 6.6 lbs (2.97 kg)
91600: 9.5 lbs (4.32 kg)

Valve—
See Valve Selection tables

OUR TRERICE TRAINED EXPERTS WILL BE HAPPY TO VISIT YOUR PLANT OR JOBSITE TO HELP YOU WITH YOUR TEMPERATURE AND PRESSURE REGULATOR REQUIREMENTS.

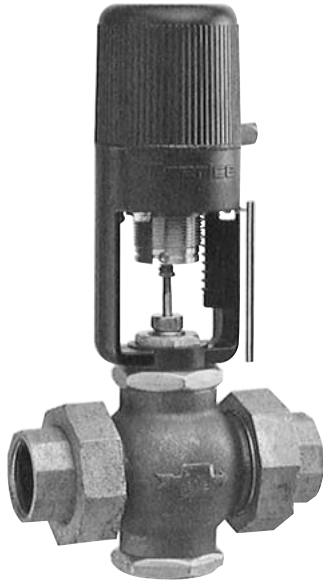
How to Order

Sample Order Number: 91400CR0608B01-A26

91400	C	R06	08	B01	A26
Model	Level of Assembly	Range	Capillary Length	Thermal System	Thermowell - Valve
91000	A Actuator only	See Standard	08 8 Feet	See Thermal	W01 Brass For 91000/91400
91400	C Complete	Available Ranges	12 12 Feet	System Selection	W02 Steel
91600	Regulator		16 16 Feet		W04 316SS For 91600
			20 20 Feet		Omit if none Omit if Actuator Only

TRETRICE REGULATORS

Temperature Regulator 91500 Series



Self-Operating Design
Heavy Duty Die Cast Aluminum Housing
1/2" thru 4" Valve Sizes

The Trerice Series 91500 Self-Operating Pressure Regulator is extensively used in canning, meat packing and other food processing industries to regulate pressure cookers, retorts and other devices. The 91500 requires that a user-supplied pressure sending line be connected from the downstream controlled point to the regulator's actuator. Pressure in line acts upon the bellows to develop the necessary thrust to stroke the valve. As the downstream pressure increases, the valve closes, thereby reducing the downstream pressure.

For optimal performance, the service conditions (medium, flow, temperature, inlet and outlet pressures) of the application must be considered when selecting a valve. Improper application may cause failure of the valve, resulting in possible personal injury or property damage.

91500 pictured

Specifications

<p>Model 91500</p> <p>Housing Die cast aluminum, epoxy powder coated blue finish</p> <p>Bellows High pressure brass, corrosion resistant, finish</p> <p>Pressure Connection 1/4 NPT female</p>	<p>Setting Scale Integral to housing</p> <p>Adjustment Screw Brass</p> <p>Adjustment Screw Bushing Lubricant impregnated sintered bronze</p> <p>Range Adjustment Spring Cadmium plated</p>	<p>Body Material 1/2"-2"; Bronze</p> <p>Adjustment Screw 2-1/2"-4"; Iron</p> <p>Trim Material Stainless steel</p> <p>Trim Style Modified linear</p> <p>Connection 1/2"-2"; Threaded, malleable iron union ends 2-1/2"-4"; Class 125 flanged</p>	<p>Pressure & Temperature Rating 1/2"-2"; 250 psi @ 410°F (210°C)</p> <p>2-1/2"-4"; 125 psi @ 350°F (175°C)</p> <p>Approximate Shipping Weight Actuator: 5.2 lbs (2.36 kg)</p> <p>Valve: see Valve Selection table</p>
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LAKESIDE KEEPS TRETRICE PRESSURE AND TEMPERATURE REGULATORS "ON THE SHELF"

How to Order

<i>Sample Order Number: 91500SLO-A55</i>				
91500	SLO			A55
Model	Range		Valve	
91500	SLO	10 to 35 psi	(1/2" thru 2" valve only)	See Valve Selection
	SHI	20 to 70 psi	(1/2" thru 2" valve only)	Omit if Actuator Only
	MLO	25 to 40 psi	(2-1/2", 3" valve only)	
	MHI	35 to 75 psi	(2-1/2", 3" valve only)	
	LLO	3 to 20 psi	(4" valve only)	