

Self-actuated
Temperature Regulator
RT-207 and RT-208
For Space Heating

OUTSTANDING FEATURES

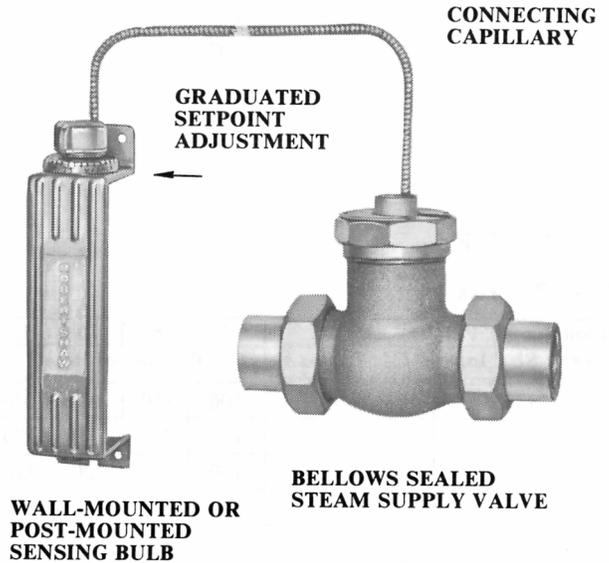
1. Accurate Control.
2. Sensitive thermostat.
3. Modulating.
4. Self-powered.
5. Simple, compact construction.
6. Small over-all dimensions.
7. Convenient graduated-dial setpoint adjustment.
8. Setpoint adjustment may be locked.
9. Single-seated valve.
10. Packless construction - no packing - no leaking.
11. Easily installed.
12. No maintenance required.

GENERAL DESCRIPTION

These Robertshaw regulators are highly sensitive, yet sturdy, self-contained, self-powered, practically indestructible controls -easily installed by any steam fitter. The several designs differ principally in pressure limits and capacity.

This type regulator comprises two major parts - a packless steam valve and actuating thermostat. These parts are connected with flexible tubing of sufficient length to permit the valve to be located in the steam line to one or a gang of unit heaters, for example, and the thermostat member to be mounted at the best point on wall or column from which to regulate temperature in the area.

These regulators are especially suitable for unit heaters, wall or ceiling type radiators, duct control, etc. in response to temperature at the wall-mounted sensing bulb. They can be used for pipe coils, finned pipe heaters or for zones (radiator or convector) of no greater than 30 feet length.



Sizes 1/2" - 1 1/2"

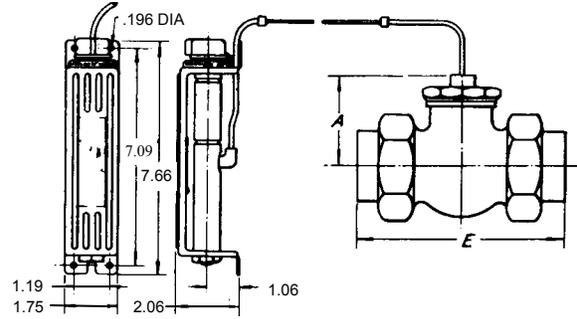
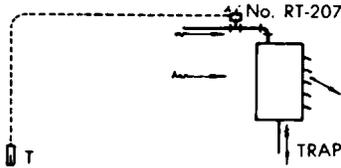
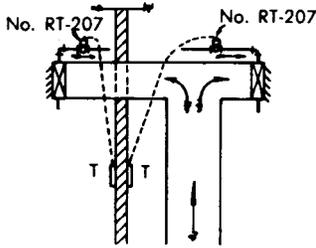
DESCRIPTION OF CATALOGED REGULATORS

Regulator No.		RT-207	RT-208	
Valve	Steam Pressure Limit, Lbs. Gage	15	75	
	Sizes	1/2", 3/4", 1", 1-1/4", 1-1/2"	1/2", 3/4", 1"	
	Type	Single Seat	Single Seat	
	Ends	Screwed unions	Screwed unions	
	Trim	Disc	Composition	Stainless steel
		Seat	Bronze	Stainless steel
Body material		Bronze	Bronze	

FOLLOWING SPECIFICATIONS APPLY TO ALL REGULATORS LISTED ABOVE

Thermostat	Type	Wall mounting.
	Material	Brass, nickel plated.
Connecting Tubing	Length	25 feet.
	Material	Copper
Setpoint Adjustment Ranges	Setpoint adjustment range is 60 - 80°F.	
Temperature Adjustment	Knob adjustment over specified range. Adjustment calibrated at three points within temperature range. Locking arrangement provided.	
Packless Feature	All designs are packless.	
	A monel Robertshaw bellows eliminates packing.	

TYPICAL APPLICATIONS



DIMENSIONS

Valve Size, Inches		1/2	3/4	1	1 1/4	1 1/2
Shipping Wt., Lbs		13	14	15	16	17
Regulator Nos.	RT-207	A 2-7/8	2-7/8	2-7/8	2-7/8	2-7/8
		E 6-3/16	6-7/16	6-1/8	6-1/4	7-1/16
RT-208	A	4	4	4		
	E	6	6-9/16	6		

CAPACITIES

RT-207 Series

Steam Supply, PSIG	2	6	10	15	
Valve Size, In.	Cv (Approx.) Pounds per Hour				
1/2	6.0	100	150	190	240
3/4	6.0	145	225	290	370
1	6.0	160	250	320	410
1-1/4	18.0	275	435	550	690
1-1/2	18.0	305	485	610	770

RT-208 Series

Steam Supply, PSIG	5	10	25	75	
Valve Size, In.	Cv (Approx.) Pounds per Hour				
1/2 - 1	2.1	77	90	145	330

THROTTLING BAND

The temperature change at the sensing bulb required for full valve stroke varies from 4° to 6° depending on design and size. With proper sizing, control point $\pm 0.5 - 1^\circ$ is possible.

NOTE: Loss of thermostatic charge (due to damage to or breakage of tubing, or any leakage in the thermal system) will result in the valve remaining in the fully open position.

HOW TO ORDER

Specify:

- Quantity
- Regulator Number.
- Valve Size
- Steam pressure through valve
- Temperature range
- Connecting tube length, if special
- Shipping and billing instructions

Robertshaw

U.S.A. and CANADA

Robertshaw Industrial Products Division

1602 Mustang Drive

Maryville, TN 37801

Phone: (865) 981-3100 Fax: (865) 981-3168

<http://www.robertshawindustrial.com>

Exports

Invensys Appliance Controls

2809 Emerywood Parkway

P.O. Box 26544

Richmond, Virginia 23261-6544

Phone: (804) 756-6500 Fax: (804) 756-6561


An Invensys company

Q-4031 (4/01)

Printed in U.S.A.