

*Self-Actuated*  
**Temperature Regulators**  
**Models RT-222**

*For Air/ Gas Temperature Control*

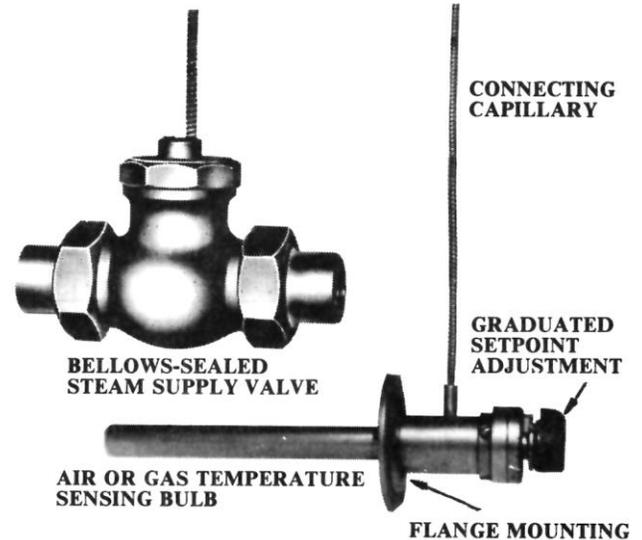
**OUTSTANDING FEATURES**

1. Accurate Control
2. Sensitive bulb
3. Modulating
4. Self-powered
5. Simple, compact construction
6. Small over-all dimensions
7. Graduated dial set point adjustment
8. Set point adjustment may be locked
9. Single-seated valves
10. Packless construction - no packing - no leaking
11. Easily installed
12. No maintenance required

**GENERAL DESCRIPTION**

These Temperature Regulators meet the demand for sensitive, compact instruments suitable for low pressure steam control. They are especially suited for controlling the temperature of steam heated air or gases in response to temperature at a sensing bulb located in a duct, oven, etc. They differ principally in pressure limits and capacity. The No RT-222 is suitable for steam pressures up to 75 lbs.

Typical applications include control of air temperature in heating and ventilating systems, drying machines, ducts, seasoning rooms, baking proof boxes, etc.



*Sizes 1/2" – 1"*

Regulator RT-222 has direct mounted adjustment as pictured above.

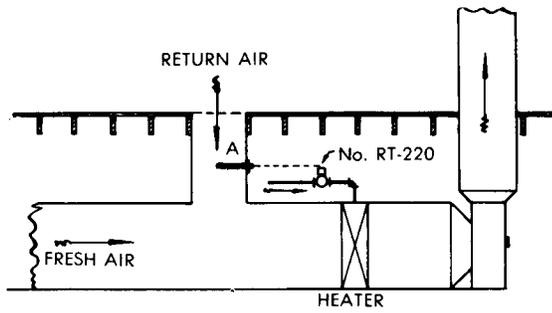
**DESCRIPTION OF CATALOGED REGULATORS**

<b>Regulator No.</b>	RT-222 (Direct Adjustment)		
<b>Valve</b>	Steam Pressure Limit, Lbs. Gage	75	
	Sizes	1/2" thru 1"	
	Type	Single seat	
	Ends	Screwed unions,	
	Trim	Disc	Stainless steel
		Seat	Stainless steel
Body material	Bronze		

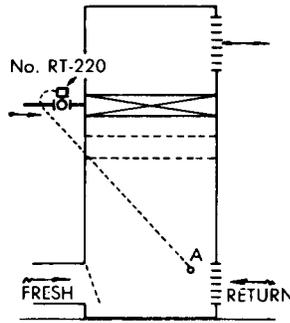
**FOLLOWING SPECIFICATIONS APPLY TO ALL REGULATORS LISTED ABOVE**

<b>Bulb</b>	Bulb Tube, material	Copper
	Fittings, material	Brass
<b>Connecting Tubing</b>	Length	10 feet (other lengths on order)
	Material	Copper with brass spiral armor.
<b>Set point Adjustment Ranges</b>	60° spans are available between limits of 35° F. and 170° F. maximum. (Slightly higher under special conditions. Consult our representative)	
<b>Temperature Adjustment</b>	Type	Graduated dial type, mounted on bulb. Locking arrangement provided. Knob and dial, nickel plated
	Standard Mounting .	Mounted on bulb as illustrated above.
<b>Packless Feature</b>	All designs are packless. A monel Sylphon® bellows eliminates packing.	

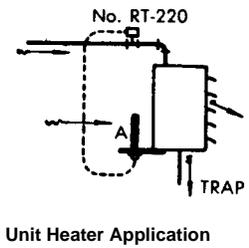
**TYPICAL APPLICATIONS**



Central Fan System



Unit Conditioner Application



Unit Heater Application

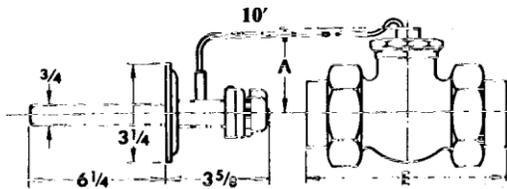
**CAPACITIES**

RT-222, Series						
Steam Supply ...		5	10	25	75	
Valve Size, In.	Cv (Approx.)	Pounds per Hour				
1/2 - 1	2.1	135	195	320	495	

The temperature change at the sensing bulb required for full valve stroke is 7 degrees, all sizes. Modulating control of 0.5° to 1.0° is possible.

**DIMENSIONS**

Valve Size, Inches			1/2	3/4	1
Shipping Wt., Lbs.			14	16	18
Regulator No.	RT-222	A	4	4	4



RT-222 Series  
Direct-mounted setpoint  
adjustment.

**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.

**ORDERING INFORMATION**

Specify:

1. Quantity
2. Regulator number
3. Valve size
4. Steam pressure through valve
5. Temperature range
6. Connecting tube length, if special.
7. Shipping instructions
8. Billing instructions



Schneider Electric Systems USA, Inc.  
1602 Mustang Drive  
Maryville, Tennessee 37801  
Phone: (865) 981-3100 Fax: (865) 981-3168  
<http://www.robertshawindustrial.com>