



# Water Temperature Control - Recirculation Systems

## Thermostatic

### Rada 425R

Rada Thermostatic Mixing Valve is designed specifically to be installed as the primary control valve within a pumped recirculation system. Capable of maintaining safe, accurate water temperatures during both peak and zero-demand “idling” periods. With a Rada 425R installed as the primary temperature controller within a pumped recirculation system, there will be a zero minimum blended water flow rate/draw-off requirement. The Rada 425R features a unique integral thermostatic return limiter that maintains recirculating water temperatures within the circuit. Thermostatic return limiters eliminate the requirement for a fitted aquastat and reduce cycling wear and tear on the circulating pump.

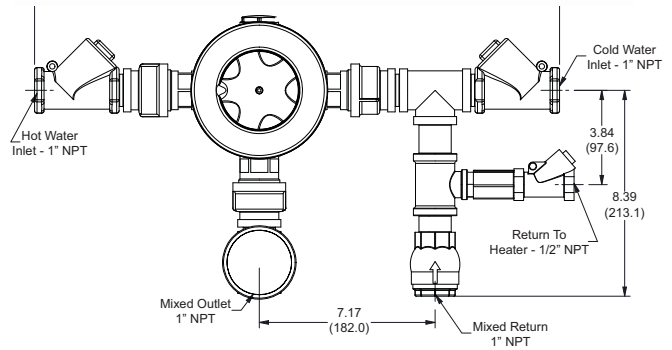
### Operational Specifications

- Dual thermostatic elements provide redundancy in the event of individual thermostat failure
- Typical system temperature control  $\pm 5^{\circ}\text{F}$
- Adjustable maximum temperature limit stop
- Single temperature locking feature

### Technical Specifications

- 1" NPT inlets and 1" outlet(s)
- Chrome-plated DZR brass/stainless steel construction
- Operating pressures
  - Maximum: 150 psi (10 bar)
  - Minimum: 10 psi (.7 bar)
- ASSE 1017 and CSA B125 certified
- Maximum flow rate at 7.5 ft/sec (2.3 m/sec): 18 gpm (68 lpm)
- Integral inlet check valves and strainers
- Integral thermometer
- Integral thermostatic return limiter
- Shipping weight 29 lbs (13 kg)

For a submittal drawing, refer to:  
 D31154 Temps  $\leq 125^{\circ}\text{F}$   
 D31155 Temps  $\geq 125^{\circ}\text{F}$



Rada Thermostatic Mixing Valves (gpm)							
Model	Pressure Drop (psi)				Min. System Draw-off	Maximum Flow @7.5ft/sec. (2.3 m/s)	C <sub>v</sub>
	5	10	15	20			
320R	8	11	13	15	0	11	3.4
425R	15	22	27	31	0	18	6.9
40R	36	51	62	72	0	41	16.0
50R	49	70	85	98	0	73	22.0

*All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.*