

Water Temperature Control - Recirculation Systems



Thermostatic

Rada 320R

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 320R 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 320R 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.

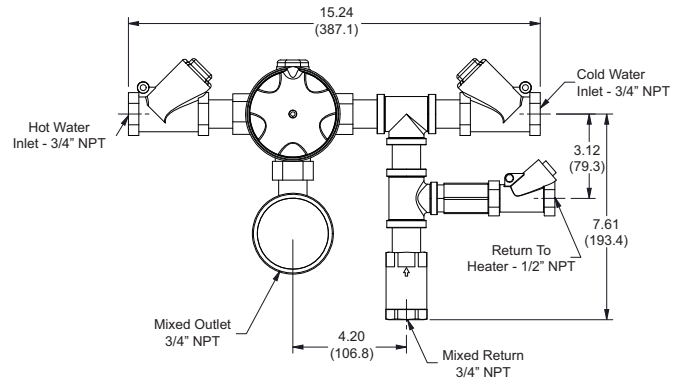


Operational Specifications

- 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

- 3/4" NPT inlets and 3/4" NPT outlets
- Chrome-plated DZR brass/polymer construction
- Operating pressures
 - Maximum: 150 psi (10 bar)
 - Minimum: 10 psi (.7 bar)
- Integral thermometer
- Integral check valves and strainers
- Maximum flow rate at 7.5 ft/sec (2.3 m/sec): 11 gpm (61 lpm)
- Integral thermostatic return limiter
- ASSE 1017 and CSA B125 certified
- Shipping weight 25 lbs (11 kg)



For a submittal drawing, refer to:
 D31180 Temps $\leq 125^{\circ}\text{F}$
 D31181 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 _v |
| | 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.