



# Manifold Recirculation System Prepiped Hi-Low Mixing Valve with Automatic Return Valve and S.E.A. Technology-Deluxe

801, 802, 803,  
804 & 805 are  
ASSE 1017 Approved



Certified to CSA B125.3

Refer to the typical installation shown  
in the 801, 802, 803, 804 or 805 bulletin.

Master water mixing valve shall be of the thermostatic type with liquid-filled thermal motor. It shall have bronze body construction with replaceable corrosion-resistant components. Valve construction shall employ a sliding piston control mechanism. Sliding piston and liner shall be of stainless steel material. Valve shall come equipped with union end stop and check inlets with removable stainless steel strainers. Valve shall provide protection against hot or cold supply line failure and thermostat failure.

Mixing valve shall be incorporated into a pre-piped manifold system which includes a recirculating pump, automatic return valve, thermometers, ball valves and mounting strut.

Mixing valve shall have a digital temperature readout and electrically adjustable set point at the valve. In addition, valve shall integrate flow switch and relay to prevent temperature adjustments without proper flow requirements and come with a security key to restrict access to unauthorized temperature adjustments. Mixing valve shall also have the capability of remotely adjusting the set point, remote monitoring as well as at the valve data logging. This shall be done via software provided by manufacturer.

System shall be capable of remotely shutting off the recirculation pump prior to remotely adjusting the set point.

TEMP. RANGE	SET POINT	
70° to 100°F	80°F	<input type="checkbox"/>
90° to 120°F	110°F	<input type="checkbox"/>
110° to 140°F	130°F	<input type="checkbox"/>

Recirculation pipe size \_\_\_\_\_

Aquastat (optional) \_\_\_\_\_

Recirculation pump \_\_\_\_\_

Recirculation loop temperature \_\_\_\_\_

### GPM CAPACITIES - Series 800

Pressure Drop PSI	5	10	20	30	45
Valve Number	Capacity				
801-GPM	17	25	34	40	50
802-GPM	28	39	54	66	80
803-GPM	43	60	85	103	125
804-GPM	52	72	100	124	150
805-GPM	64	96	133	165	200

### LPM CAPACITIES - Series 800

Pressure Drop PSI	5	10	20	30	45
Valve Number	Capacity				
801-LPM	64	94	128	151	189
802-LPM	106	148	208	247	303
803-LPM	163	227	322	390	473
804-LPM	197	273	379	469	568
805-LPM	242	363	503	624	757

Minimum flow is 1/2 gpm when properly installed.



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This system is non-cancelable, non-returnable, and non-refundable.

Design and specification subject to change without notice.