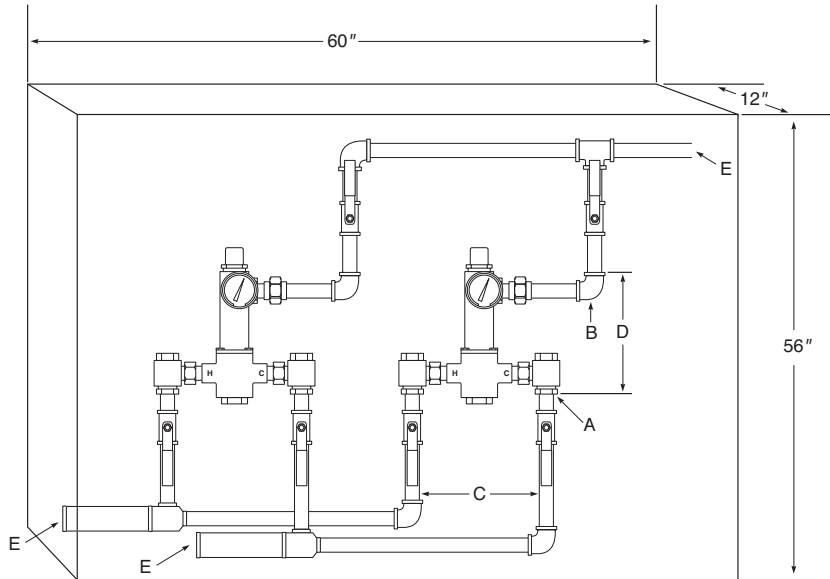


# Thermostatic Water Controller Series 800 High-Low Water Mixer Parallel Installation

ENG. NO. 86609-E  
 PAT. NO. 5,203,496.  
 5,323,960.  
 6,637,668.  
 7,140,394.



801, 802, 804 & 805 are ASSE 1017 Approved



Certified to CSA B125.3

803 is ASSE 1017 Compliant



803 is Compliant with CSA B125.3

⊙ = Thermometer

1. Refer to the typical recirculation piping installation shown in the 801, 802, 803, 804 or 805 bulletin
2. Parallel valve system comes prepped from factory

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 control temperature from a low flow up to a maximum flow rate for a given pressure differential. Valve shall provide protection against hot or cold supply line failure and thermostat failure.

Unit supplied as packaged piped assembly.

**FINISH:** Bronze   
 Chrome   
 Other

**MINIMUM FLOW:**

- 1/2 gpm for all assemblies when properly piped in recirculated system; otherwise:
- 2 gallons per minute Model 801 in parallel
- 4 gallons per minute Model 802 in parallel
- 6 gallons per minute Model 803 in parallel
- 8 gallons per minute Model 804 in parallel
- 10 gallons per minute Model 805 in parallel

**TEMP. RANGE**

- 70° to 100°F
- 90° to 120°F
- 110° to 140°F

**SET POINT**

- 80°F
- 110°F
- 130°F

**DIMENSIONS:**

Valve Number	A N.P.T.	B N.P.T.	C	D	E
801	3/4"	1"	10"	12"	2"
802	1"	1 1/4"	11"	12"	2"
803	1 1/4"	1 1/2"	12 3/4"	12 1/2"	2 1/2"
804	1 1/2"	2"	15"	13 1/2"	3"
805	2"	2"	15"	13 1/2"	3"

**CAPACITIES - SERIES 800**

Pressure Drop PSI	5	10	20	30	45	60	80
Valve Number	Capacity-GPM (x2)						
801	17	25	34	40	50	57	65
802	28	39	54	66	80	91	103
803	43	60	85	103	125	144	165
804	52	72	100	124	150	174	193
805	64	96	133	165	200	230	265



**MANUFACTURING CO., INC.**

5330 East 25th Street  
 Indianapolis, Indiana 46218  
 Phone (317) 261-1212  
 Fax (317) 261-1208

Design and specification subject to change without notice.