



# Thermostatic Water Controller Model 805<sup>®</sup> High-Low Water Mixer Unit No. 86106



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 of 5 GPM\* 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 to include a dial thermometer, shut-off valve and union on tempered water outlet. Unit is completely assembled and tested with necessary fittings, nipples and escutcheons. See below for cabinet specifications. Cabinet is shipped separately.

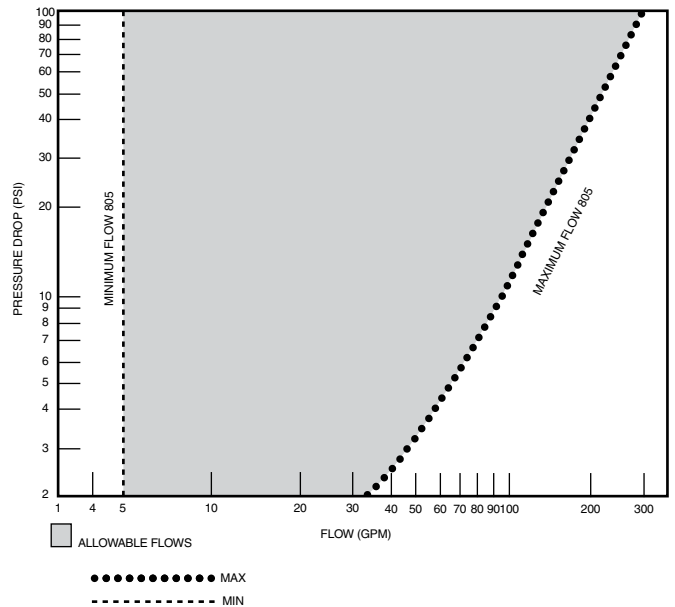
**General Purpose – Cabinet Specifications:**

|           | <b>STAINLESS</b>           | <b>CARBON STEEL</b> |
|-----------|----------------------------|---------------------|
| Body:     | 18 Ga.                     | 16 Ga.              |
| Door:     | 18 Ga.                     | 16 Ga.              |
| Material: | Type 304 with No. 4 Finish | Baked enamel        |

| <b>VALVE FINISH</b>                   | <b>OPTIONAL PIPING</b>                      |
|---------------------------------------|---|
| Rough Bronze <input type="checkbox"/> | Inlets through Top <input type="checkbox"/> |
| Chrome <input type="checkbox"/>       | of Cabinet                                  |
| Other <input type="checkbox"/>        |   |

| <b>TYPE OF CABINET</b>                 | <b>MATERIAL</b>  |
|--|--|
| Recessed <input type="checkbox"/>      | Stainless <input type="checkbox"/>                           |
| Semi-Recessed <input type="checkbox"/> | Carbon Steel <input type="checkbox"/>                        |
| Surface <input type="checkbox"/>       | Carbon Steel Box/<br>Stainless Door <input type="checkbox"/> |

Cabinet includes lock with two keys.  
Hinged left side, piano type.  
For specifications on security cabinets, contact factory.



**CAPACITIES – MODEL 805**

| Pressure Drop PSI   | 5               | 10  | 20  | 30  | 45  | 60  | 80   |
|---------------------|-----------------|-----|-----|-----|-----|-----|------|
| <b>Valve Number</b> | <b>Capacity</b> |     |     |     |     |     |      |
| <b>805-GPM</b>      | 64              | 96  | 133 | 165 | 200 | 230 | 265  |
| <b>805-LPM</b>      | 242             | 363 | 503 | 624 | 757 | 870 | 1003 |

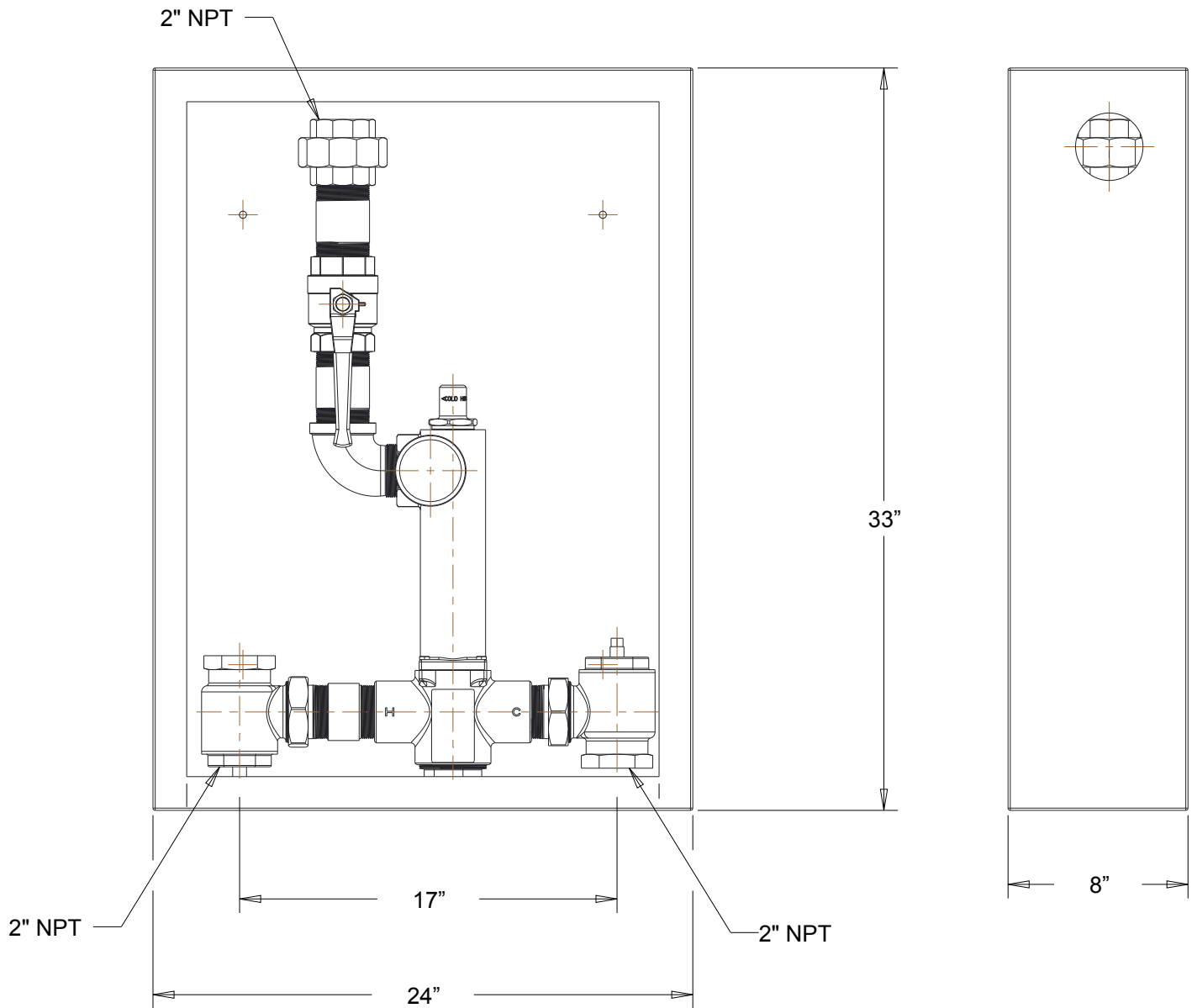
\*1/2 gpm when properly installed in recirculated system.



**MANUFACTURING CO., INC.**

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Design and specification subject to change without notice.  
Please refer to [www.temperedwater.com](http://www.temperedwater.com) to ensure most current data sheet and other design solutions



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