

ENG. NO. 86206-A  
 PAT. NO. 5,203,496.  
 5,323,960.  
 6,637,668.  
 7,140,394.

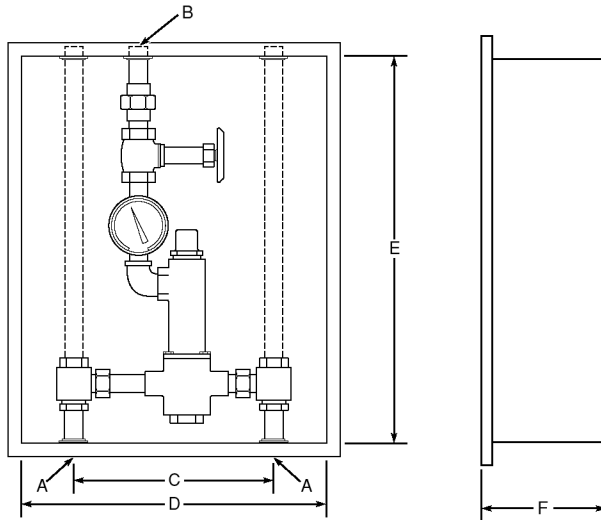
# Thermostatic Water Controller Model 803 High-Low Water Mixer Unit No. 86206



**ASSE** ASSE 1017 Approved

**ASSE** ASSE Lead Free Certified

Compliant with  
 CSA B125.3



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 3 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        |

**VALVE FINISH**

- Rough Bronze
- Chrome
- Other

**OPTIONAL PIPING**

- Inlets through Top of Cabinet

**TYPE OF CABINET**

- Recessed
- Semi-Recessed
- Surface

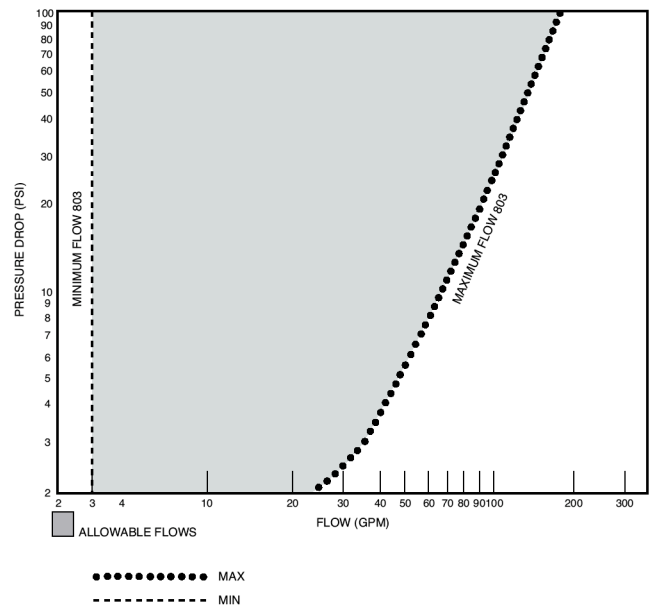
**MATERIAL**

- Stainless
- Carbon Steel
- Carbon Steel Box/ Stainless Door

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

**DIMENSIONS:**

| Valve Number | A N.P.T. | B N.P.T. | C       | D       |
|--------------|----------|----------|---------|---------|
| 803          | 1 1/4"   | 1 1/2"   | 12 3/4" | 12 1/2" |



**CAPACITIES – MODEL 803**

| Pressure Drop PSI   | 5               | 10  | 20  | 30  | 45  | 60  | 80  |
|---------------------|-----------------|-----|-----|-----|-----|-----|-----|
| <b>Valve Number</b> | <b>Capacity</b> |     |     |     |     |     |     |
| 803-GPM             | 43              | 60  | 85  | 103 | 125 | 144 | 165 |
| 803-LPM             | 163             | 227 | 322 | 390 | 473 | 545 | 624 |

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



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Design and specification subject to change without notice.