

LAWLER

Model 804 Features

- Built with a powerful liquid thermal motor.
- Compensates for supply line temperature and pressure changes.
- Outlet flow is greatly reduced upon supply line or liquid motor failure.
- Inlets are fully rotatable through 360° and outlet is rotatable through 360° in 90° increments—full flexibility is provided for roughing in the valve.
- Tamper-resistant control adjustment.
- Rugged design equipped with stainless steel piston and liner.
- Easy maintenance valve can be completely repaired without being removed from the system.



Benefits

- Product Cost—Less expensive
- Temperature Adjustment—Single valve
- Space Requirements—Smaller footprint
- System Setup—No special requirements
- Cost to Repair—Fewer valves
- ASSE 1017 and CSA B125.3 approved

MODEL 804 (PAT NO. 5,203,496) (PAT NO. 5,323,960)
(PAT NO. 6,637,668) (PAT NO. 7,140,394)

HIGH-LOW WATER MIXER

WHEN TEMPERED WATER

IS REQUIRED OVER A WIDE RANGE OF FLOWS

Minimum Flow 4 GPM*

Rated Flow 150 GPM

(*1/2 GPM when properly installed in recirculated system)



ASSE 1017 Approved.



Certified to CSA B125.3

LAWLER MANUFACTURING CO. INC., Indianapolis, IN
www.lawlervalve.com

LAWLER MODEL 804

Wide Flow Range Thermostatic Mixer

Many institutional, commercial and industrial applications face the challenge of delivering tempered water over a wide range of flows. Most valves cannot handle the complete range of flows. In many cases multiple valves have to be used to satisfy flow requirements.

LAWLER'S MODEL 804 solves this problem.

The wide range of flows the 804 offers will eliminate the need for expensive multi-valve systems in most applications.

The 804 is able to accurately control both high and low flows because it has been designed to eliminate the problems other valves experience at low flow ranges.

Three-Way Protection

1. Thermostat Protection.

Lawler's exclusive design cuts water flow if the thermostat's liquid motor fails.

2. Hot Supply Protection.

Responds automatically if the hot water supply is interrupted, or if the temperature changes.

3. Cold Supply Protection.

Guards against scalding if the cold water supply is interrupted.

Lawler Thermostatic Valves adjust for changes in both input temperature and pressure, maintaining constant output.

When safety is important, specify Lawler.

CAPACITIES – MODEL 804

Pressure Drop PSI	5	10	20	30	45	60	80
Valve Number	Capacity						
804-GPM	52	72	100	124	150	174	193
804-LPM	197	273	379	469	568	659	731

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



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APPLICATIONS

- Nursing Homes
- Hospitals
- Hotels
- Schools
- Prisons
- Not to be used in Emergency Shower Applications

Max. Inlet Conditions

Pressure: 125 psi
Temperature: 200°F

Recommended Conditions

Minimum Flow

4 Gallon Per Minute (gpm)*

Minimum Temperature Differential

Hot and cold water inlets must have a minimum 20°F differential from the outlet set temperature.

Performance

The Model 804 will maintain outlet temperature under any of the following conditions, providing the recommended minimum flow and minimum supply temperature differentials are not exceeded:

- reduction to 4 gpm*
- 30°F change in hot water temperature
- 30°F change in cold water temperature
- 50% drop in inlet supply pressure

