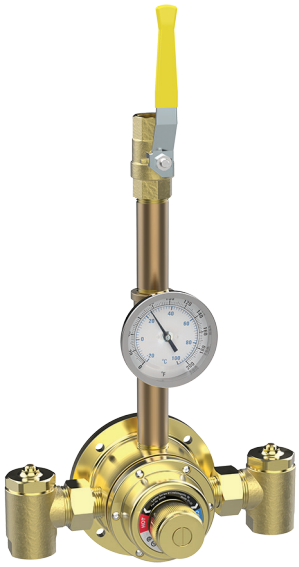
LAWLER
MANUFACTURING CO., INC.

**SUBMITTAL DATA SHEET**

**temperedwater.com**
5330 East 25th St.
Indianapolis, IN 46218
Phone (317) 261-1212
Fax (317) 261-1208



# Series 61 Thermostatic Water Controller Eng. No. 84008

Exposed mixing valve shall be of the thermostatic type with liquid-filled motor. In the event of interruption of hot or cold water supply or thermostat failure, the valve shall be designed to restrict flow by use of a sliding piston control mechanism with reverse seat closure. The valve shall maintain output temperature for changes in inlet pressures or temperature. Valve construction shall have lead free brass body and stainless steel piston and liner.

Unit is completely assembled as shown. Includes dial thermometer and shut-off on tempered water outlet.

Piped and cabinet assemblies which have a downstream shutoff device shall include union end stop and check valves with removable strainer on each inlet.

## CAPACITIES – GPM SERIES 61

| Pressure Drop PSI | 5 | 10 | 20 | 30 | 45 | 60 | 80 |
|---|---|---|---|---|---|---|---|
| Valve Number | Capacity – GPM | | | | | | |
| 61-10 | 2.5 | 3.5 | 5.5 | 8 | 10 | 12 | 14 |
| 61-15 | 3.5 | 5.5 | 8.5 | 11 | 15 | 18 | 20 |
| 61-25 | 6 | 10 | 14 | 18 | 25 | 30 | 34 |

1/4 gpm when properly installed in recirculated system.

## CAPACITIES – LPM SERIES 61

| Pressure Drop PSI | 5 | 10 | 20 | 30 | 45 | 60 | 80 |
|---|---|---|---|---|---|---|---|
| Valve Number | Capacity – LPM | | | | | | |
| 61-10 | 9.4 | 13.2 | 22.8 | 30.3 | 37.8 | 45.4 | 53 |
| 61-15 | 13.2 | 20.8 | 32 | 41.6 | 56.7 | 68 | 75.7 |
| 61-25 | 22.7 | 37.8 | 53 | 68 | 94.6 | 113 | 128 |

Minimum flow for 61-10 & 61-15 is 1/2 Gallon Per Minute
Minimum flow for 61-25 is 1 Gallon Per Minute

**FINISH:**
- ☐ Brass
- ☐ Rough Chrome
- ☐ Other

**VALVE:**
- ☐ 1/2”
- ☐ 3/4”

| TEMP. RANGE | SET POINT | |
|---|---|---|
| 50° to 100°F | 80°F | ☐ |
| 85° to 135°F | 110°F | ☐ |
| 100° to 150°F | 130°F | ☐ |
| Special _____ | _____ | ☐ |

ASSE 1017 Approved
ASSE Lead Free Certified
Certified to CSA B125.3

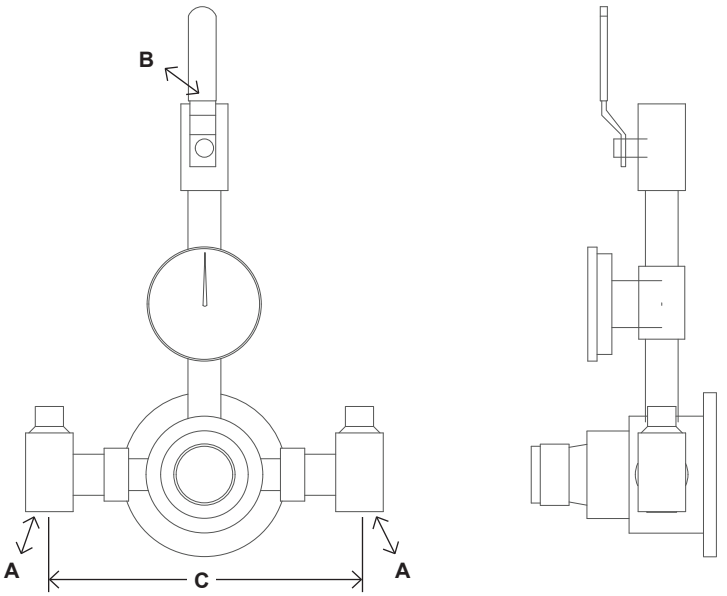
Design and specifications subject to change without notice.
Please refer to **temperedwater.com** to ensure most current data sheet and other design solutions.

**temperedwater.com/patents**
**ENG. NO. 84008-A**

LAWLER
MANUFACTURING CO., INC.

**SUBMITTAL DATA SHEET**

**temperedwater.com**
5330 East 25th St.
Indianapolis, IN 46218
Phone (317) 261-1212
Fax (317) 261-1208




# Series 61
# Eng. No. 84008

## DIMENSIONS

| Valve Number | A N.P.T. | B N.P.T. | C |
|---|---|---|---|
| **61-10** | 1/2” | 1/2” | 8-1/2” |
| **61-15** | 1/2” | 1/2” | 8-1/2” |
| **61-25** | 3/4” | 3/4” | 8-5/8” |

Dimensions are for reference purposes only. For rough-in dimensions please refer to Lawler’s Revit/BIM models found at temperedwater.com.

## Typical Installation

Install the mixing valve below the hot water tank or heater. If this is not possible, pipe in a heat trap as shown in Figure 1 with an approximate 2' drop.

Connect a tempered water return line as shown in Figure 1. This allows flow through both ports of the mixing valve during periods of no draw.

Install an aquastat at the tempered water return pump.

Install the water heater per manufacturer’s instructions.

## Figure 1