LAWLER
MANUFACTURING CO., INC.

SUBMITTAL DATA SHEET

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

Model 410-TH Thermostatic Mixing Valve Eng. No. 74146 (3/4”)

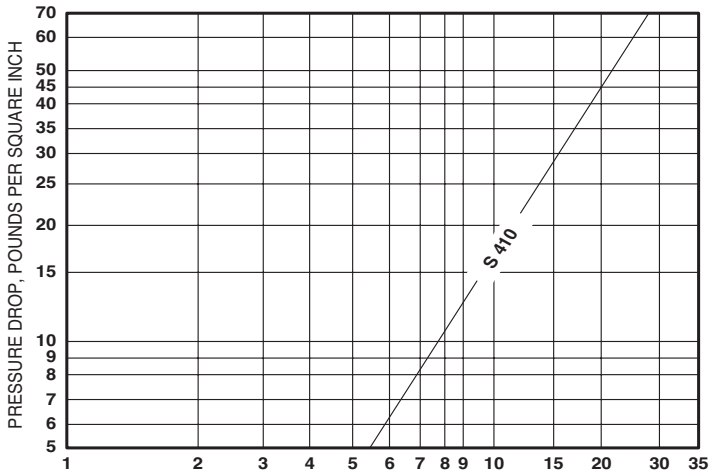
The master controller shall be of the thermostatic type with liquid-filled motor. The controller shall maintain the set point temperature during periods of fluctuating inlet pressures and temperatures. Valve construction will include a lead free brass body and replaceable corrosion-resistant components. The piston and liner are stainless steel. The mixing valve shall employ an adjustable setpoint range and high temperature limit stop. Each unit will be equipped with stop and check valves for each inlet and includes a dial thermometer.

CAPACITIES – MODEL 410

Pressure Drop PSI	5	10	20	30	45	60
Valve Number	Capacity					
410-GPM	5	8	12	15	20	24
410-LPM	19	30	45	56	75	91

1/4 gpm when properly installed in recirculated system.
The minimum flow of the Series 410 is 1 GPM.

FLOW CAPACITIES SINGLE STAGE - SERIES 410



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

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

ASSE 1069 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. 74146-A

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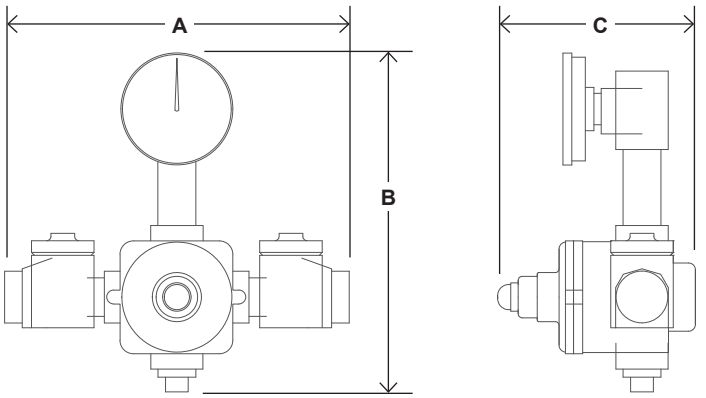


Model 410-TH
Eng. No. 74146 (3/4”)

DIMENSIONS

Valve Number	A	B	C
410	9-1/2”	9-1/2”	5-1/2”

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

Inlets & outlet are 3/4” NPT.

Typical Installation

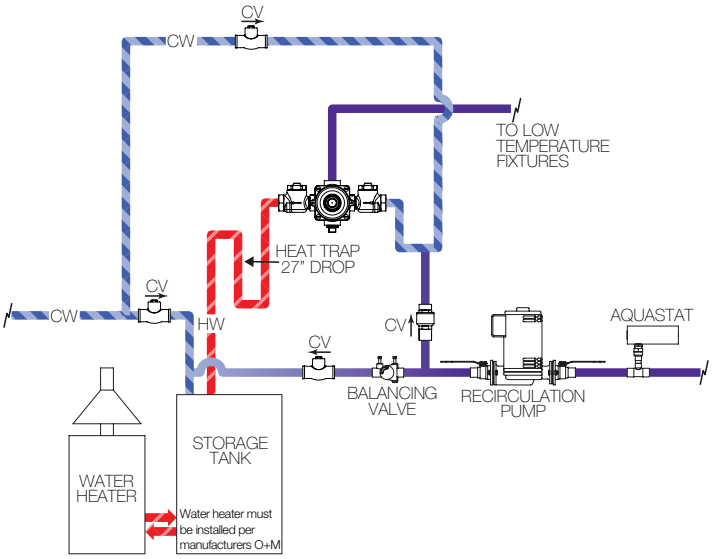
Install the mixing valve below the hot water tank or heater. If this is not possible, pipe in a heat trap as shown in Figure 1 with an approximate 2' drop.

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



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