For Point of Use Applications

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

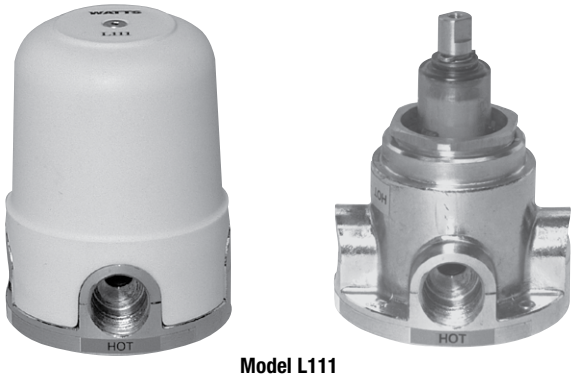
Approval _____ Representative _____

Model L111
Thermostatic Mixing Valve

Dual Listed!
ASSE 1069 & ASSE 1070

Size: ½" (15mm)

Model L111 Thermostatic Mixing Valve is ideal for supplying sinks, showers or lavatories with tempered water in commercial, educational and institutional environments such as schools, restaurants, hospitals, nursing homes and public restrooms. This thermostatically modulated mixing valve can be used anywhere preset water temperature is required for point-of-use. Its tamper resistant cover makes it especially useful for exposed "under-the-sink" installations.



Model L111

Features

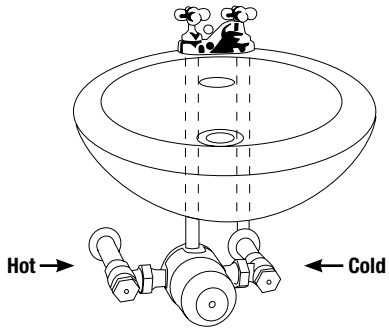
- High Flow Rate - supplies fixtures or lavatories with up to 10 gpm (38 lpm) of pre-set, tempered water
- Wall Mount Style - can be secured to wall or cabinet
- Easy to Install - installs easily into existing water lines
- Commercial Construction - brass body and replaceable, advanced polymer temperature-regulating mechanism ensure long life
- Tamper-Resistant Cover - protective polypropylene cover closed by hexagon socket screw limits access to temperature regulating mechanism to protect from end-user tampering in exposed locations

Model L111 shown with Model CS Check Stops (optional) installed

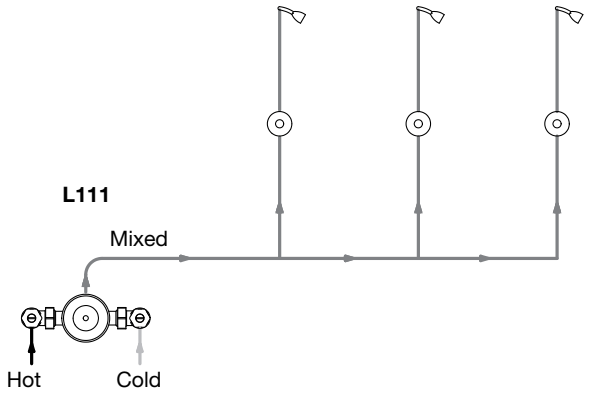
Specifications

A Thermostatic Mixing Valve shall be installed on the hot water supply to fixture(s) as shown on the diagram below. The valve shall be ASSE Standard 1069 or 1070 approved and control the temperature of the hot water to the fixture(s). The valve shall have ½" (15mm) female NPT inlet and outlet connections. It shall have a brass body. The valve shall have integral mounting holes to enable the valve to be secured to a wall or suitable enclosure. The valve shall include a tamper resistant thermoplastic enclosure to protect against unauthorized adjustment of the outlet temperature or removal of mounting fasteners. The valve shall be of a single replaceable cartridge design to allow service or repair of the valve without removal of the valve from the system piping or disassembly of internal valve components. The Thermostatic Mixing Valve(s) shall be a Watts Model L111.

Typical Installation ASSE 1070



Typical Installation ASSE 1069



Materials

Body: Brass
O-rings: EPDM
Cartridge: Polysulfone
Cover: Polypropylene

Pressure-Temperature

Minimum Pressure: 15psi (103 kPa)

Recommended Inlet Pressure: 30 – 60psi (207 – 414 kPa)

Working Pressure: 125psi (862 kPa)

Inlet Temperatures: hot inlet: 120°F – 180°F (49°C – 82°C)
cold inlet: 33°F – 85°F (0.5°C – 29°C)

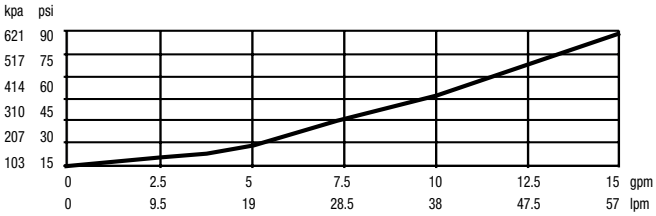
Minimum Differential Temperature: 10°F (-12°C)

Temperature Out: Field range: 80°F – 120°F (27°C – 49°C) adjustable by contractor. Accurate within ±3°F (±1.7°C)

Standards

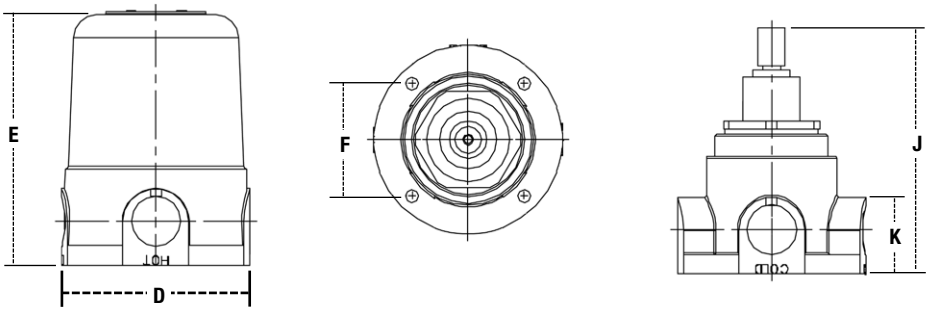
ASSE 1069, ASSE 1070 Listed.

Flow Capacity



*** With 50% reduction of supply pressure**

Dimensions - Weight



MODEL	INLET SIZE		OUTLET SIZE		DIMENSIONS										WEIGHT	
					D		E		F		J		K			
	in.	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lbs.*	*kgs.*
L111	½	15	½	15	2 15/16	74	3 15/16	101	1¾	44	3⅞	98	11/16	17	3.3	1.5

Application Note:
This L111 valve is not factory pre-set and can be adjusted to deliver water at temperatures exceeding 110°F (43°C). Consequently, after installing the Watts L111 Thermostatic Mixing Valve, the installer should always check the outlet water temperature. Further, check valves and strainers must be installed in the hot and cold water supply lines to this valve. See installation instruction sheet IS-L111.