



S59-2080 (TMV80) Standard Thermostatic Mixing Valves

- Reliable liquid-filled thermostat
- Integral strainer checkstops on inlets
- Adjustable set point within temperature range
- Accurate temperature control
- Positive shutoff of hot supply when cold supply is lost
- Easy installation and serviceability
- Dirt and lime resistant
- Factory assembled and tested
- Universal mounting capability
- Cabinet features
 - 18 gauge body & door
 - Left hand hinge
 - Cylinder lock
 - Inlet/outlet knock out holes for mounting flexibility
 - Stainless steel or baked white enamel finishes
 - Surface mounted or recessed style with flange

Valve Specifications

Maximum Operating Pressure

125 PSI (860 kPa)

Maximum Inlet Temperature

180°F (82°C)

Temperature Range

Std. 85°F (29°C) to 135°F (57°C)
High 100°F (38°C) to 150°F (66°C)

Set Point

110°F (43°C)
 130°F (54°C)

Flow Capacities – GPM

Model	Min. Flow*	Pressure Drop – PSI						
		5	10	15	20	30	45	60
S59-2080	8.0	24.0	34.0	44.0	48.0	60.0	74.0	85.0

Flow Capacities – L/Min

Model	Min. Flow*	Pressure Drop – Bar						
		.5	1.0	1.5	2.0	2.5	3.0	4.0
S59-2080	30.3	116.0	166.0	206.0	234.0	267.0	296.0	343.0

* **Recirculation system only** (See diagram on Page 2). When properly installed near the hot water source with a **continuously operating** recirculation pump, the valve will maintain set temperature with a 0.5 gpm (2.0 L/Min) draw from the plumbing system.

Product Compliance



Listed by IAPMO R&T to

- ASSE 1017, CSA B125.3
- Uniform Plumbing Code (UPC),
- National Plumbing Code of Canada and
- International Plumbing Code (IPC)



Listed by ASSE International to

- ASSE 1017



Listed by NSF International to

- NSF/ANSI 372



Standard product selections contained within this document are third party CERTIFIED to NSF/ANSI 372 meeting the Lead-Free content requirement. Any product configured with custom options will be COMPLIANT with NSF/ANSI 372 meeting the Lead-Free content requirement.



TMV80 (Part No. S59-2080)

Valve Model

Model	Description
S59-2080	Standard Thermostatic Mixing Valve

Configurable Valve Model (select one)

Model	Description
TMV80	TMV80 Thermostatic Mixing Valve with Options
CAB-TMV80	TMV80 Thermostatic Mixing Valve Cabinet Only

Optional Valve Selections

Finish	
R	Rough Brass (standard)
C	Chrome Plated
Thermostat	
S	Standard Range Thermostat
H	High Range Thermostat
Thermometer	
T	Dial Thermometer
0	None
Bracket	
B	Wall Mounting Bracket
0	None
Piped Assembly	
P	Piped Assembly with Inlet and Outlet Shutoff
N	Piped Assembly with Outlet Shutoff
0	None

Optional Cabinet Selections

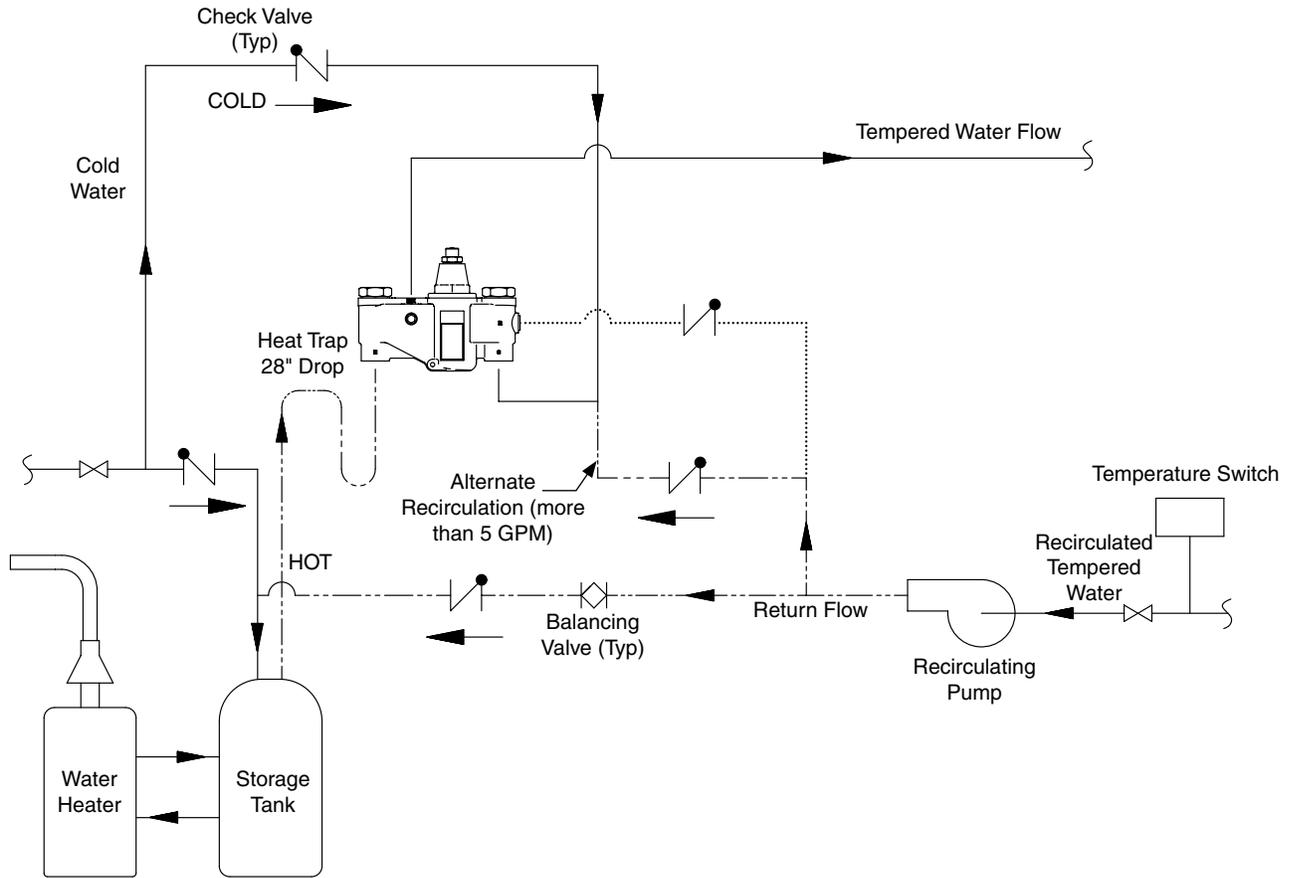
Cabinets (includes bracket)	
SS	Surface Mount Stainless Steel
RS	Recessed Stainless Steel
SE	Surface Mount White Enamel
RE	Recessed White Enamel
0	None
Window	
W	Plexi-Glass Window in Door
0	None

Engineer's Approval _____



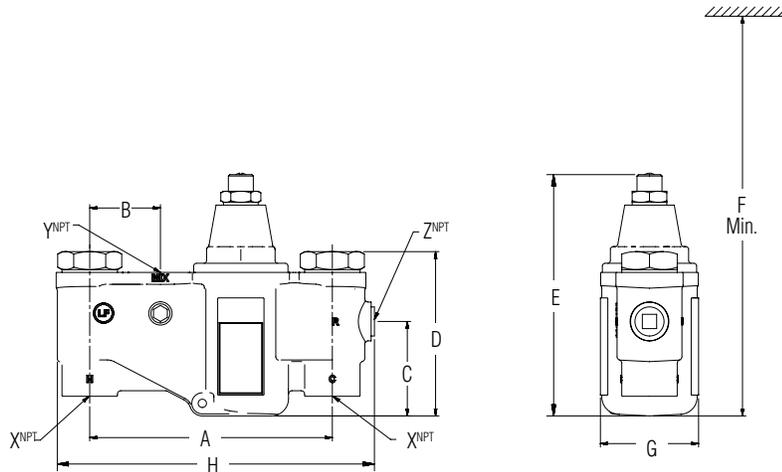
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Recirculation Diagram



Dimensions

Model	A	B	C	D	E	F	G	H	X ^{NPT}	Y ^{NPT}	Z ^{NPT}
S19-2080	8-3/4" (224)	2-1/2" (64)	3-3/8" (86)	5-7/8" (149)	8-3/4" (222)	19" (483)	3-1/2" (90)	11-1/2" (292)	1"	1-1/4"	3/4"

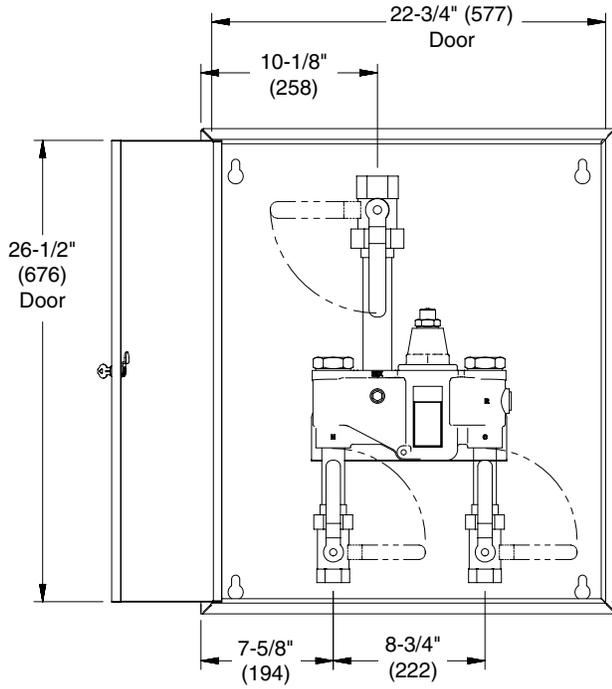




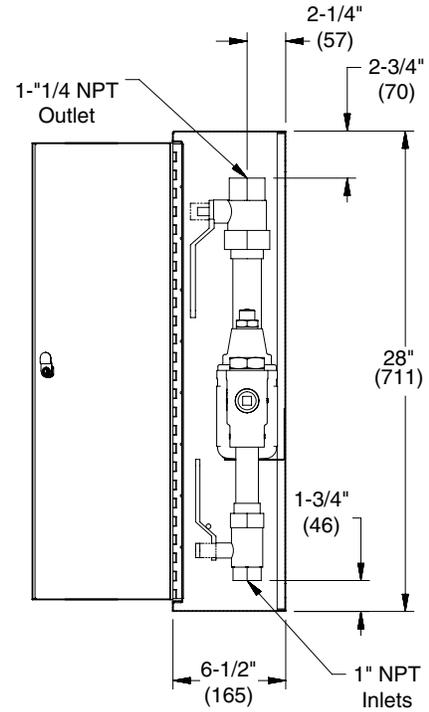
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Dimensions — TMV80 Surface Mounted

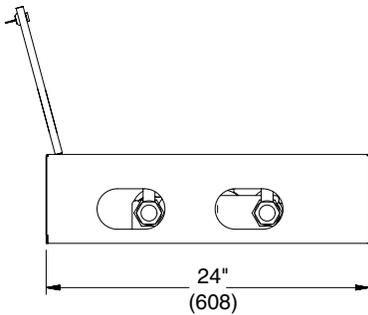
Front View



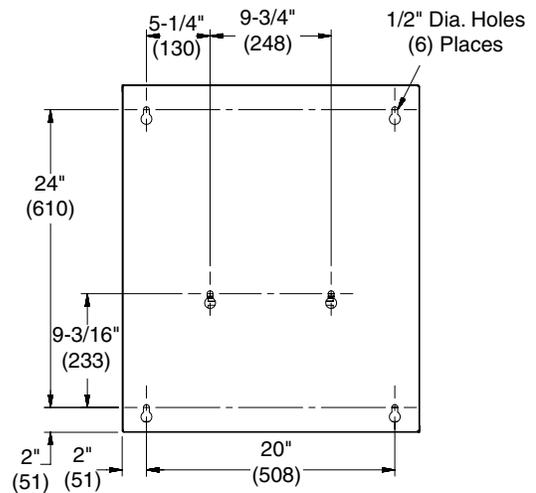
Side View



Bottom View



Mounting Hole Locations
for Surface Mount

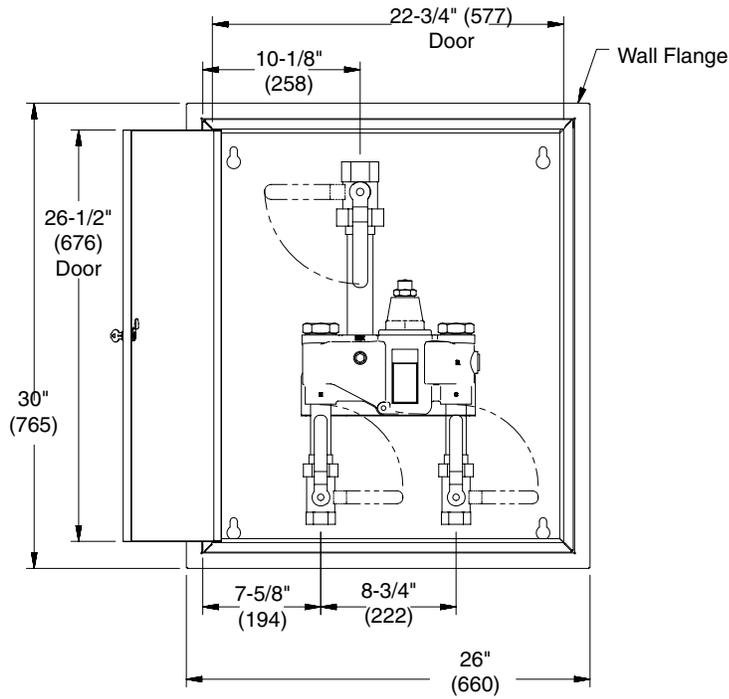




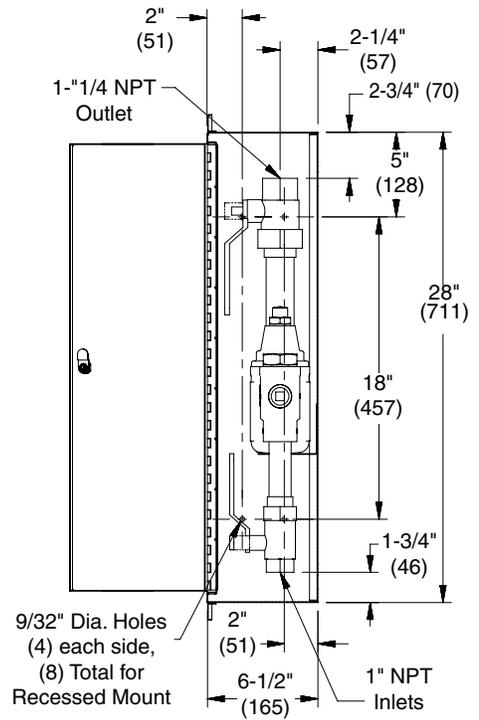
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Dimensions — TMV80 Recessed

Front View



Side View



Bottom View

