



# Submittal Data Information

## 5120 Series Lead-Free Mixing Valve

Effective: October 24, 2016

Supersedes: March 18, 2016

Job: \_\_\_\_\_ Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_ Rep: \_\_\_\_\_

ITEM NO.	MODEL NO.

**Features**

- ≤ .25% lead
- Dual Listed for ASSE 1017 and 1070
- UPC Certified
- Suitable for use in Potable Water
- Union and NPT Options *non-union NPT is ASSE 1017 only*
- Sweat, NPT, Pex, Press & CPVC Union Connections
- Check Valves Included *(Except non-union versions)*
- No Routine Maintenance Required
- Lockable Max. Temperature Setting
- Outlet Temperature Strip
- Optional Dial Gauge and Adaptor

**Performance**

- Cv: 1.8
- Max. Flow: 14GPM (54 L/min)<sup>1</sup>
- <sup>1</sup>Flow should never exceed standards for pipe size*
- Min. Flow: 1GPM (3.8 L/min)<sup>1</sup>
- Hot Supply Temperature: 120-180°F (49-82°C)
- Cold Supply Temperature: 39-80°F (5-27°C)
- Max. Inlet Pressure: 200 psi (13.8 Bar)
- Max. Variation in Supply Pressure: 20%
- Min. Temperature Differential Between Hot Supply and Mixed: 10°F (5.6°C)
- Outlet Temperature Range: 85-120°F (29-49°C)
- Factory set to: 115-120°F (41-45°C)
- Accuracy of Outlet Temperature: (±) 3° F

**Materials**

- Body: Forged Brass
- Internal Components: ≤ .25% lead Brass, Noryl GFN2
- Seals: Viton
- Spring: Stainless Steel
- Piston: Polysulfone
- Fittings: Varies (Brass, CPVC, Copper)
- Gaskets: EPDM
- Temperature Gauge: Stainless Steel
- Gauge Fitting: Brass

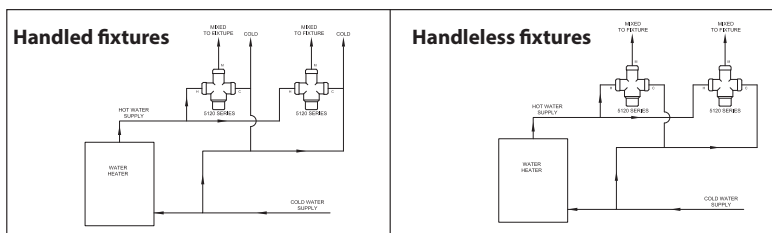
**Approvals/Listings**

- ASSE 1017, ASSE 1070
- cUPC
- CSA125.3

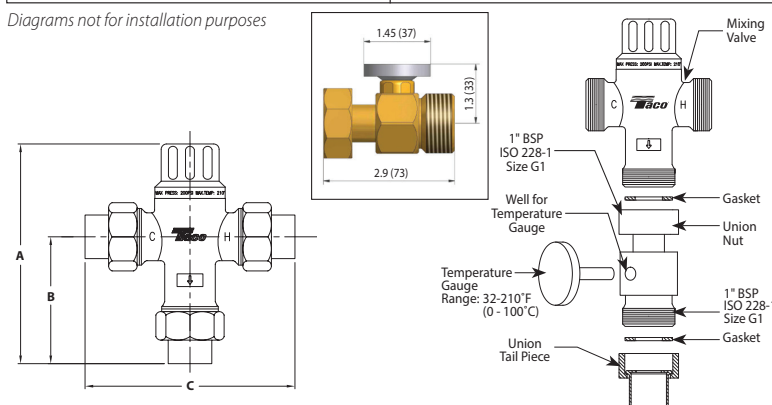


**Application:**

The 5120 Series Mixing Valve is designed to control water temperatures for both point of use and point of distribution installations wherever ASSE1070 or ASSE 1017 mixing valves are required. The valves design and advanced thermostatic element ensures a stable mixed water temperature throughout the valves adjustable range.



Diagrams not for installation purposes



5120 Series Mixing Valve Dimensions *Dimensions for reference only*

Taco Model	Description	A Height		B Lower Height		C Width	
		In.	mm	In.	mm	In.	mm
5120-2	BODY ONLY*	3.8	96.52	1.9	48.3	3.3	83.8
5122-B2	1/2" UNION CPVC	5.8	147.3	3.7	94.0	7.1	180.3
5122-C2	1/2" UNION SWEAT	4.8	121.9	2.7	68.6	4.8	121.9
5122-P2	1/2" UNION PEX	5.0	128.5	2.9	73.7	5.4	137.2
5122-T2	1/2" UNION NPT	5.3	134.6	3.2	81.3	5.8	147.3
5122-H2	1/2" UNION PRESS	4.9	124.5	3.8	96.5	7	177.8
5123-B2	3/4" UNION CPVC	5.8	147.3	3.7	94.0	7.1	180.3
5123-C2	3/4" UNION SWEAT	5.0	127.0	2.9	73.7	5.4	137.2
5123-N2	3/4" NPT FEMALE	4.3	109.2	2.2	55.9	3.0	76.2
5123-P2	3/4" UNION PEX	5.1	129.5	2.9	73.7	5.4	137.2
5123-T2	3/4" UNION NPT	5.5	139.7	3.4	86.4	6.3	160.0
5123-H2	3/4" UNION PRESS	7	177.8	3.9	99.1	7.3	185.4
5124-C2	1" UNION SWEAT	6.1	154.9	4.0	101.6	5.4	137.2
5124-P2	1" UNION PEX	5.2	132.1	3.1	78.7	5.8	147.3
5124-H2	1" UNION PRESS	7	177.8	3.9	99.1	7.3	185.4



For models with a gauge add -G to the end of the model number. This will change the total valve height.

\*Does not include connections