



Submittal Data Information

5120 Series Lead-Free Mixing Valve

101-147

Effective: March 17, 2021

Supersedes: October 24, 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
- Sweat, NPT, Pex, Press & CPVC
- Union Connections
- Check Valves Included
- 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)¹
¹Flow should never exceed standards for pipe size

Min. Flow: 1GPM (3.8 L/min)¹

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)

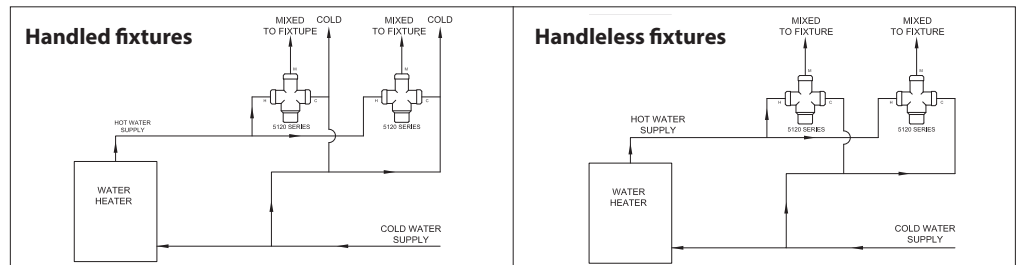
Outlet Temperature Range: 85-120°F (29-49°C)
 Factory set to: 115-120°F (41-45°C)
 Accuracy of Outlet Temperature: (±) 3° F

Materials

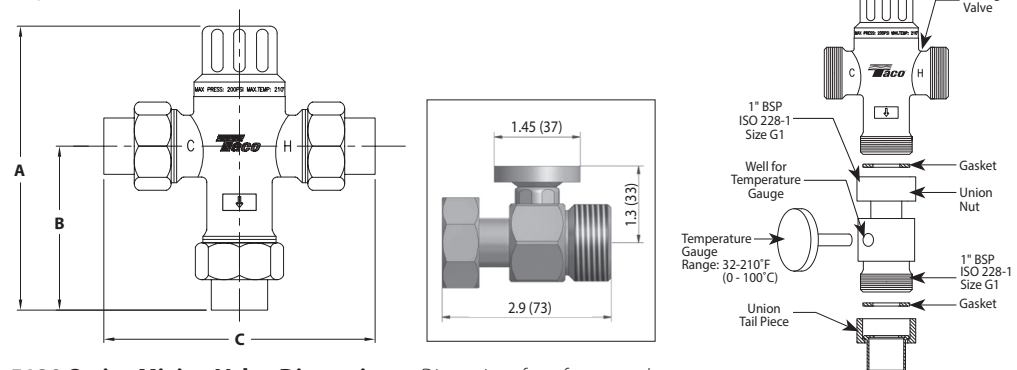
Body: Forged Brass
 Internal Components:
 ≤ .25% lead Brass, Noryl GFN2
 Seals: Viton
 Spring: Stainless Steel
 Piston: Polysulfone
 Fittings: Varies (Brass, CPVC, Copper)
 Gaskets: EPDM
 Temperature Gauge: Stainless Steel
 Gauge Fitting: Brass

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-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

Approvals/ Listings

ASSE 1017
 ASSE 1070
 cUPC
 CSA125.3



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