

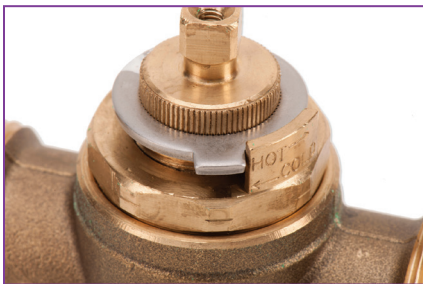
5120 Series Lead-Free Mixing Valve

This versatile NSF 61, ASSE 1017, ASSE1070 mixing valve provides the ultimate performance for domestic hot water applications. The 5120 Series ASSE1017 certification allows for domestic hot water storage at temperatures high enough to increase the effective storage capacity of a water heater, kill harmful bacteria and still be delivered at a safe 120°F or less. The ASSE 1070 listing allows for point of use applications within homes, hospitals, schools, nursing homes, public facilities, etc. where a 1070 valve is required.



NSF® ≤ .25% Lead

Meets California AB 1953
and Vermont Act 193



All union models
are available with
a stainless steel
temperature gauge.



Now available in
Press-Connect
Models.



Submittal Data Information **5120 Series Lead-Free Mixing Valve**

NSF₆ ≤ .25% Lead
 Meets California AB 1953
 and Vermont Act 193

Submittal Data # 101-147
 Supersedes: 03/17/21

Effective: 08/09/23

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

Approvals/Listings

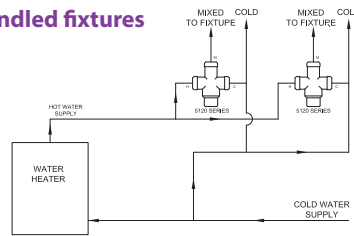
ASSE 1017 , ASSE 1070
 cUPC
 CSA125.3



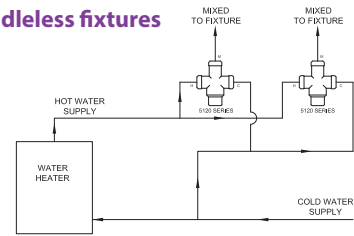
Application:

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.

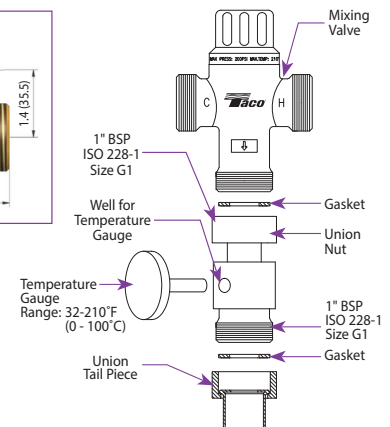
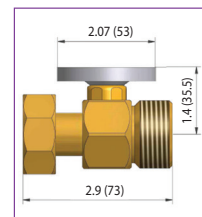
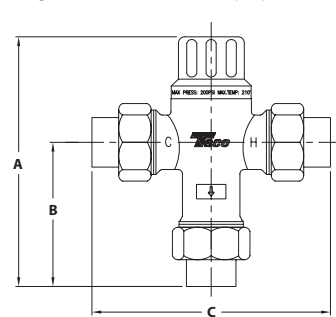
Handled fixtures



Handleless fixtures



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



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