



# Submittal Data Information

## 5000 Series Heating Only Mixing Valve

101-164

Effective: August 09, 2023

Supersedes: March 17, 2021

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

ITEM NO.	MODEL NO.	

### Features

Delivers Stable Mixed Water Temperature  
Extended Mix Temperature Range  
of 85-176°F (29-80°C)  
Tamper-Resistance Cap  
Sweat, NPT, Pex, CPVC Union Connections  
Check Valves Included  
Low Headloss  
Outlet Temperature Strip  
Optional Dial Gauge and Adaptor

### Performance

CV: 2.3  
Max. Flow: 20 gpm (76 L/Min)  
*NOTE: Flow should never exceed standards for pipe size.*  
Min. Flow: 1 gpm (3.8 L/Min)  
Hot Supply Temperature: 120-180°F (49-82°C)  
Cold Supply Temperature: 39-80°F (5-27°C)  
Max. Inlet Pressure: 230 psi (15.85 Bar)  
Max. Variation in Supply Pressure: 20%  
Min. Temperature Differential  
Between Hot Supply and Mixed: 27°F (15°C)  
Outlet Temperature Range: 85-175 F (29-80°C)  
Factory set to: 115-120°F (41-45°C)

Accuracy of Outlet

Temperature:  $\pm 3^\circ\text{F}$

### Materials

Body: Forged Brass

Internal Components:

Brass  
Noryl GFN2

Seals: Viton

Spring: Stainless Steel

Piston: Polysulfone

Fittings: Varies (Brass, CPVC, Copper)

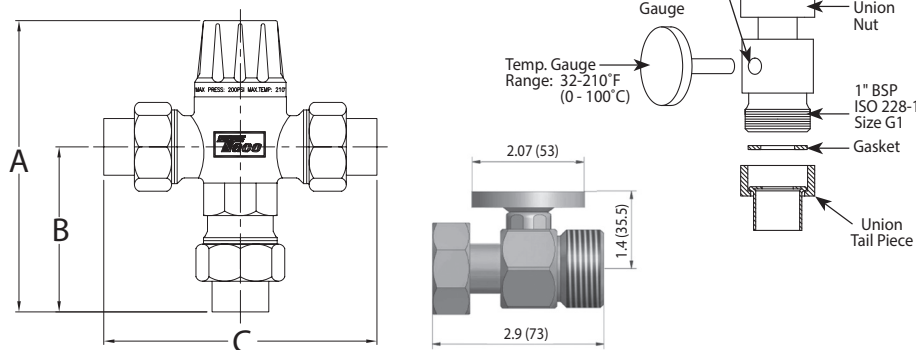
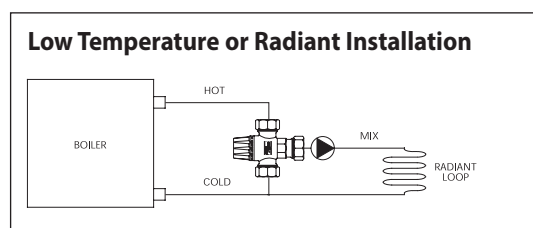
Gaskets: EPDM

Temperature Gauge: Stainless Steel

Gauge Fitting: Brass

### Application

Taco's 5000 Series Heating Only version of mixing valves provides the high performance temperature stability required for today's radiant heating systems. It makes this mixing valve an ideal choice for a radiant heating system whether in slab, over pours or in joist bay heating installations. Add to that multiple connection types such as straight NPT, union (sweat, threaded, CPVC or Pex) and you have a series of mixing valve that will fit most of your installation needs.



### 5000 Series Heating Only Mixing Valve Dimensions *Dimensions for reference only*

Taco Model	Description	A Height		B Lower Height		C Width	
		In.	mm	In.	mm	In.	mm
5002-HX-B3	1/2" UNION CPVC	5.8	147.3	3.7	94	7.1	180.3
5002-HX-C3	1/2" UNION SWEAT	4.8	121.9	2.7	68.6	4.8	121.9
5002-HX-P3	1/2" UNION PEX	5.06	128.5	2.9	73.7	5.4	137.2
5002-HX-T3	1/2" UNION NPT	5.3	134.6	3.2	81.3	5.8	147.3
5003-HX-B3	3/4" UNION CPVC	5.8	147.3	3.7	94	7.1	180.3
5003-HX-C3	3/4" UNION SWEAT	5	127	2.9	73.7	5.4	137.2
5003-HX-P3	3/4" UNION PEX	5.1	129.5	2.9	73.7	5.4	137.2
5003-HX-T3	3/4" UNION NPT	5.5	139.7	3.4	86.4	6.3	160.02
5004-HX-C3	1" UNION SWEAT	6.1	154.9	4	101.6	5.4	137.2
5004-HX-P3	1" UNION PEX	5.2	132.1	3.1	78.7	5.8	147.3

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

