

5000 Series Heating Only Mixing Valve

The heating only version of mixing valves provides the high performance temperature stability required for today's radiant heating systems. With an enhanced temperature range and multiple connection styles to choose from, it's the ideal choice for building a radiant heating system.



Submittal Data Information 5000 Series Heating Only Mixing Valve

Submittal Data # 101-164
Supersedes: New

Effective: 08/28/13

Features

- Delivers Stable Mixed Water Temperature
- Extended Mix Temperature Range of 85-176°F (29-80°C)
- Tamper-Resistance Cap
- Union and NPT Options
- Sweat, NPT, Pex, CPVC Union Connections
- 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: $\pm 3^{\circ}\text{F}$

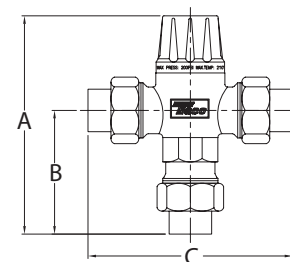
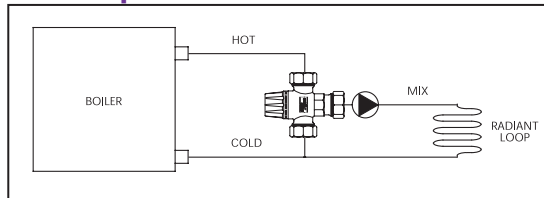
Materials

Body: Forged Brass
Internal Components:
Brass
Noryl GFN2
Seals: Viton
Spring: Stainless Steel
Piston: Polysulfone
Fittings: Varies (Brass, CPVC, Copper)
Gaskets: EPDM

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 is 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.

Low Temperature or Radiant Installation



5000 Series Heating Only Mixing Valve Dimensions

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-N3	3/4" NPT FEMALE	4.3	109.2	2.2	55.9	3	76.2
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

Dimensions for reference only

