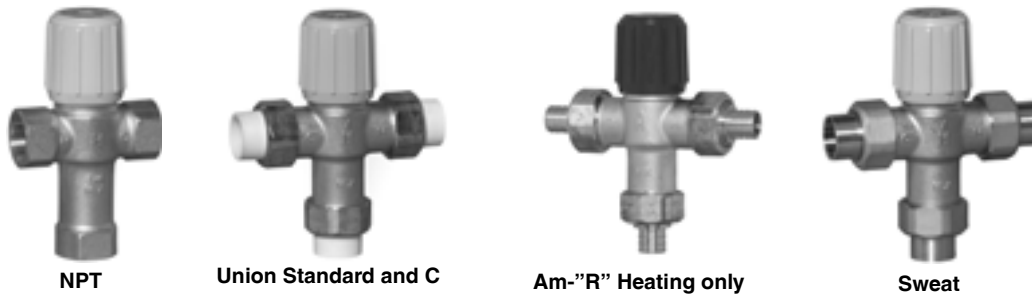


AM-1 Series Thermostatic Mixing Valve



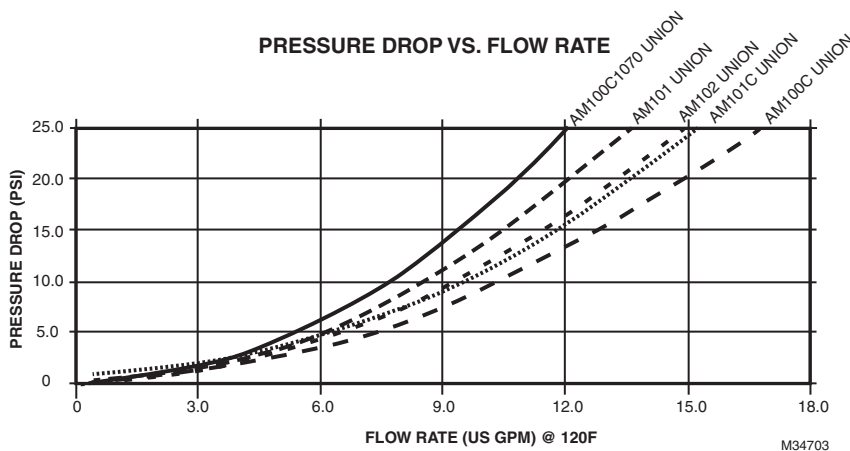
The Honeywell AM-1 series accurately adjusts, maintains and limits the hot water temperature to a desired setting selected by the user. In domestic water applications it offers scalding protection and bacteria growth control. By installing a Honeywell AM-1 mixing valve and raising water heater storage temperature setting and limiting mixed outlet water temperature to safe temperature more usable hot water is available. In heating applications it provides comfort and protects the equipment.

- Dual purpose mixing or diverting valves
- Constant water temperature under changing operating conditions
- Reliable performance at minimum flow of 0.5 gpm
- Proportional valve (simultaneous control of hot and cold water)
- Temperature limit at any point
- Flow reduction in seconds if cold water supply is interrupted

- Nickel-plated brass construction, EPDM O-rings
- High performance thermoplastic proportioning shuttle
- Straight through design (hot and cold at the same level)
- Max. pressure 150 psi (1034 kPa)
- Max temperature 212 F (100 C)
- Designed for easy maintenance and element replacement.
- Teflon® coating of internal valve components to prevent mineral build-up and extend life.
- Tamper resistant design
- Valve trapping not required
- AM-1 Union STD & C and AM1070 Models include check valves on both hot and cold ports
- ASSE, CSA and IAPMO listed
- U.S. Patent No. 6,079,625
- Lead free part numbers end in LF

Application: Domestic water; Nursing homes; Public facilities; Automatic faucets; Radiant floor heating; Space heating; Combo systems; Solar hot water; Greenhouses; Industrial applications; Photo processing

Pressure Drop Chart



Product Number	Pipe Size		Connection Type	Capacity (Cv)	Operating Temperature Range		ASSE	Description	Comments
	(inch)	DN			(F)	(C)			
AM100-1/U	1/2 in.	DN15	NPT	3.2 Cv	70 F to 145 F	21 C to 63 C	1017	1/2 in. NPT Mixing Valves	—
AM100-1LF/U	1/2 in.	DN15	NPT	3.2 Cv	70 F to 145 F	21 C to 63 C	1017	1/2 in. NPT Mixing Valves	Low lead Content <.25% by weighted average
AM100-UCPVC-1/U	1/2 in.	DN15	Union CPVC	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1/2 in. CPVC Union Mixing Valves	—
AM100-UCPVC-1LF/U	1/2 in.	DN15	Union CPVC	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1/2 in. CPVC Union Mixing Valves	Low lead Content <.25% by weighted average
AM100-UPEX-1/U	1/2 in.	DN15	Union PEX	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1/2 in. Union PEX Mixing Valves	—

Mixing Valves

Product Number	Pipe Size		Connection Type	Capacity (Cv)	Operating Temperature Range		ASSE	Description	Comments
	(inch)	DN			(F)	(C)			
AM100-UPEX-1LF/U	1/2 in.	DN15	Union PEX	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1/2 in. Union PEX Mixing Valves	Low lead Content <.25% by weighted average
AM100-US-1/U	1/2 in.	DN15	Union Sweat	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1/2 in. Sweat Union Mixing Valves	—
AM100-US-1LF/U	1/2 in.	DN15	Union Sweat	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1/2 in. Sweat Union Mixing Valves	Low lead Content <.25% by weighted average
AM100-UT-1/U	1/2 in.	DN15	Union NPT	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1/2 in. NPT Union Mixing Valves	—
AM100-UT-1LF/U	1/2 in.	DN15	Union NPT	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1/2 in. NPT Union Mixing Valves	Low lead Content <.25% by weighted average
AM100C-1LF/U	1/2 in.	DN15	NPT	3.2 Cv	70 F to 120 F	21 C to 49 C	1017	1/2 in. NPT Mixing Valves	Low lead Content <.25% by weighted average
AM100C-UCPVC-1LF	1/2 in.	DN15	Union CPVC	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	1/2 in. CPVC Union Mixing Valves	Low lead Content <.25% by weighted average
AM100C-UPEX-1LF/U	1/2 in.	DN15	Union PEX	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	1/2 in. Sweat Union Mixing Valves	Low lead Content <.25% by weighted average
AM100C-US-1LF/U	1/2 in.	DN15	Union Sweat	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	1/2 in. Sweat Union Mixing Valves	Low lead Content <.25% by weighted average
AM100C-UT-1LF/U	1/2 in.	DN15	Union NPT	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	1/2 in. NPT Union Mixing Valves	Low lead Content <.25% by weighted average
AM100C1070-UPEX1LF/U	1/2 in.	DN15	Union PEX	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	AM-1 1070 Series 1/2 in. Union PEX	Low lead Content <.25% by weighted average
AM100C1070-US-1LF/U	1/2 in.	DN15	Union Sweat	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	AM-1 1070 Series 1/2 in. Union Sweat	Low lead Content <.25% by weighted average
AM100C1070-UT-1LF/U	1/2 in.	DN15	Union NPT	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	AM-1 1070 Series 1/2 in. Union Threaded	Low lead Content <.25% by weighted average
AM100C1070UCPVC1LF/U	1/2 in.	DN15	Union CPVC	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	AM-1 1070 Series 1/2 in. Union CPVC	Low lead Content <.25% by weighted average
AM100R-UPEX-1/U	1/2 in.	DN15	Union PEX	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	1/2 in. Union PEX Mixing Valves HEATING ONLY	Heating Only
AM100R-US-1/U	1/2 in.	DN15	Union Sweat	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	1/2 in. Sweat Union Mixing Valves HEATING ONLY	Heating Only
AM100R-UT-1/U	1/2 in.	DN15	Union NPT	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	1/2 in. NPT Union Mixing Valves	Heating Only
AM101-1/U	3/4 in.	DN20	NPT	3.8 Cv	70 F to 145 F	21 C to 63 C	1017	3/4 in. NPT Mixing Valves	—
AM101-1LF/U	3/4 in.	DN20	NPT	3.8 Cv	70 F to 145 F	21 C to 63 C	1017	3/4 in. NPT Mixing Valves	Low lead Content <.25% by weighted average
AM101-UCPVC-1/U	3/4 in.	DN20	Union CPVC	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	3/4 in. CPVC Union Mixing Valves	—
AM101-UCPVC-1 CP/U	3/4 in.	DN20	Union CPVC	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	3/4 in. CPVC Union Mixing Valves Contractor Pack	—
AM101-UCPVC-1LF/U	3/4 in.	DN20	Union CPVC	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	3/4 in. CPVC Union Mixing Valves	Low lead Content <.25% by weighted average
AM101-UPEX-1LF/U	3/4 in.	DN20	Union PEX	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	3/4 in. Sweat Union Mixing Valves	Low lead Content <.25% by weighted average
AM101-US-1LF/U	3/4 in.	DN20	Union Sweat	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	3/4 in. Sweat Union Mixing Valves	Low lead Content <.25% by weighted average
AM101-UT-1/U	3/4 in.	DN20	Union NPT	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	3/4 in. NPT Union Mixing Valves	—
AM101-UT-1LF/U	3/4 in.	DN20	Union NPT	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	3/4 in. NPT Union Mixing Valves	Low lead Content <.25% by weighted average
AM101C-1LF/U	3/4 in.	DN20	NPT	3.8 Cv	70 F to 120 F	21 C to 49 C	1017	3/4 in. NPT Mixing Valves	Low lead Content <.25% by weighted average
AM101C-UCPVC-1LF/U	3/4 in.	DN20	Union CPVC	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	3/4 in. CPVC Union Mixing Valves	Low lead Content <.25% by weighted average
AM101C-UPEX-1LF/U	3/4 in.	DN20	Union PEX	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	3/4 in. Union PEX Mixing Valves	Low lead Content <.25% by weighted average
AM101C-US-1LF/U	3/4 in.	DN20	Union Sweat	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	3/4 in. Sweat Union Mixing Valves	Low lead Content <.25% by weighted average
AM101C-UT-1LF/U	3/4 in.	DN20	Union NPT	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	3/4 in. NPT Union Mixing Valves	Low lead Content <.25% by weighted average

Mixing Valves

Product Number	Pipe Size		Connection Type	Capacity (Cv)	Operating Temperature Range		ASSE	Description	Comments
	(inch)	DN			(F)	(C)			
AM101C1070-UPEX1LF	3/4 in.	DN20	Union PEX	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	AM-1 1070 Series 3/4 in. Union PEX	Low lead Content <.25% by weighted average
AM101C1070-US-1LF	3/4 in.	DN20	Union Sweat	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	AM-1 1070 Series 3/4 in. Union Sweat	Low lead Content <.25% by weighted average
AM101C1070-UT-1LF	3/4 in.	DN20	Union NPT	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	AM-1 1070 Series 3/4 in. Union Threaded	Low lead Content <.25% by weighted average
AM101C1070UCPVC1LF	3/4 in.	DN20	Union CPVC	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	AM-1 1070 Series 3/4 in. Union CPVC	Low lead Content <.25% by weighted average
AM101R-UPEX-1/U	3/4 in.	DN20	Union PEX	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	3/4 in. Union PEX Mixing Valves HEATING OLY	Heating Only
AM101R-US-1/U	3/4 in.	DN20	Union Sweat	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	3/4 in. Sweat Union Mixing Valves HEATING OLY	Heating Only
AM101R-UT-1/U	3/4 in.	DN20	Union NPT	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	3/4 in. NPT Union Mixing Valves HEATING ONLY	Heating Only
AM102-1/U	1 in.	DN25	NPT	4.3 Cv	70 F to 145 F	21 C to 63 C	1017	1 in. NPT Mixing Valves	—
AM102-1LF/U	1 in.	DN25	NPT	4.3 Cv	70 F to 145 F	21 C to 63 C	1017	1 in. NPT Mixing Valves	Low lead Content <.25% by weighted average
AM102-US-1/U	1 in.	DN25	Union Sweat	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1 in. Sweat Union Mixing Valves	—
AM102-US-1LF/U	1 in.	DN25	Union Sweat	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1 in. Sweat Union Mixing Valves	Low lead Content <.25% by weighted average
AM102-UT-1/U	1 in.	DN25	Union NPT	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1 in. NPT Union Mixing Valves	—
AM102-UT-1LF/U	1 in.	DN25	Union NPT	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	1 in. NPT Union Mixing Valves	Low lead Content <.25% by weighted average
AM102C-1LF/U	1 in.	DN25	NPT	4.3 Cv	70 F to 120 F	21 C to 49 C	1017	1 in. NPT Mixing Valves	Low lead Content <.25% by weighted average
AM102C-US-1LF/U	1 in.	DN25	Union Sweat	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	1 in. Sweat Union Mixing Valves	Low lead Content <.25% by weighted average
AM102C-UT-1LF/U	1 in.	DN25	Union NPT	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	1 in. NPT Union Mixing Valves	Low lead Content <.25% by weighted average
AM102C1070-US-1LF	1 in.	DN25	Union Sweat	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	AM-1 1070 Series 1" Union Sweat	Low lead Content <.25% by weighted average
AM102C1070-UT-1LF	1 in.	DN25	Union NPT	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	AM-1 1070 Series 1" Union Threaded	Low lead Content <.25% by weighted average
AM102R-US-1/U	1 in.	DN25	Union Sweat	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	1 in. Sweat Union Mixing Valves HEATING ONLY	Heating Only
AM102R-UT-1/U	1 in.	DN25	Union NPT	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	1 in. NPT Union Mixing Valves HEATING ONLY	Heating Only

Water Controls