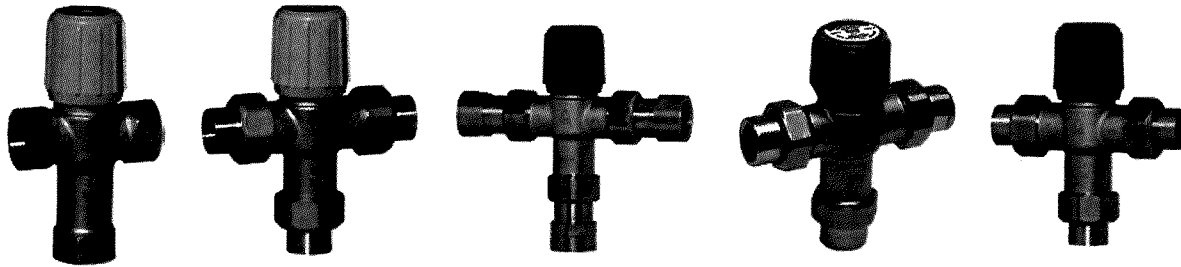


Thermostatic Mixing Valves

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

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

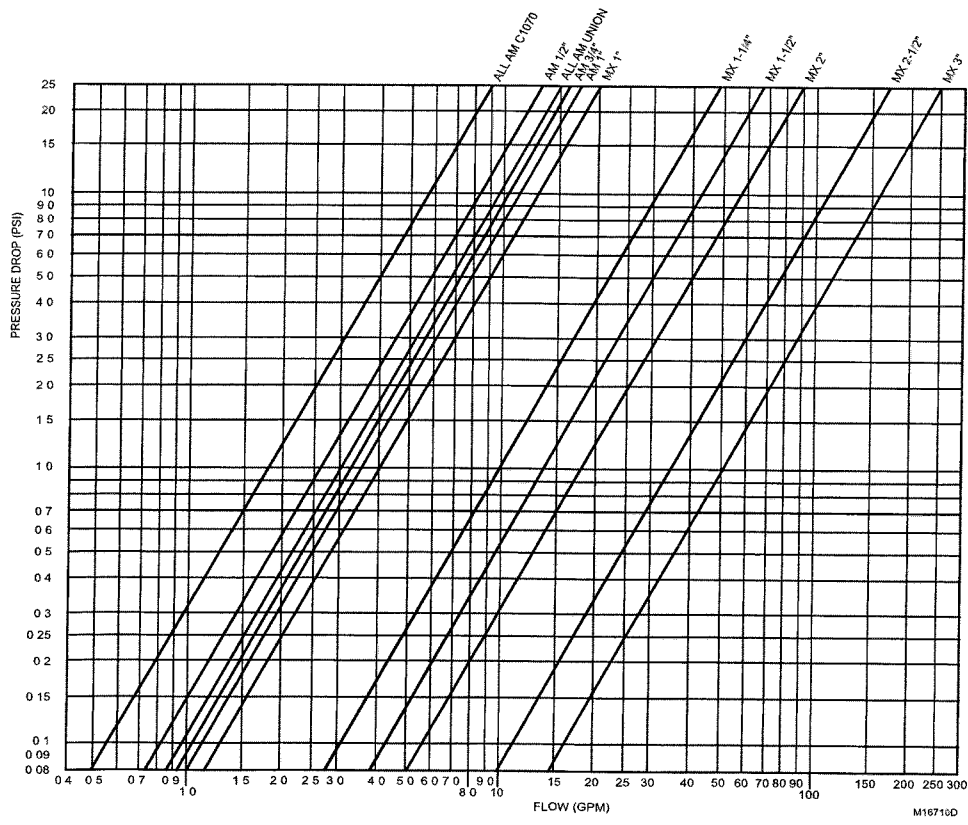
Replacement Parts:

- AMCU100** Replacement Check Valve for all AM-1 Series union model valves
- AMU200-RP** Gasket kit for 1/2 inch, 3/4 inch and 1 inch AM and AM-1 Series valves; 3 gaskets per kit
- AM-1-020RP** Rebuild kit for AM-1 Series B (60 - 100F; 16-38C) or Series C (80 - 120F; 27 - 49C) range valves. Includes thermal element, spring, diffuser, spool and O-rings
- AM-1-025RP** Thermal element, spring, and plug assembly. Rebuild kit for AM-1 "Standard" series and AMX300 series valves
- AM-1-030RP** Rebuild kit for AM-1 Series 1070 valves; (70 - 120F; 21 - 49C). Includes thermal element, spring, diffuser, spool and O-rings

Product Number	Pipe Size		Connection Type	Capacity (Cv)	Operating Temperature Range		ASSE	Comments
	(inch)	(DN)			(F)	(C)		
AM100-1	1/2 in.	DN15	NPT	3.2 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM100-UCPVC-1	1/2 in.	DN15	Union CPVC	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM100-UPEX-1	1/2 in.	DN15	Union PEX	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM100-US-1	1/2 in.	DN15	Union Sweat	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM100-UT-1	1/2 in.	DN15	Union NPT	3.9 Cv	70 F to 145 F	21 C to 49 C	1017	—
AM100C-1	1/2 in.	DN15	NPT	3.2 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM100C-UCPVC-1	1/2 in.	DN15	Union CPVC	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM100C-UPEX-1	1/2 in.	DN15	Union PEX	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM100C-US-1	1/2 in.	DN15	Union Sweat	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM100C-UT-1	1/2 in.	DN15	Union NPT	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM100C1070-UCPVC-1	1/2 in.	DN15	Union CPVC	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	—
AM100C1070-UPEX-1	1/2 in.	DN15	Union PEX	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	—
AM100C1070-US-1	1/2 in.	DN15	Union Sweat	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	—
AM100C1070-UT-1	1/2 in.	DN15	Union NPT	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	—
AM100R-UPEX-1	1/2 in.	DN15	Union PEX	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	Heating Only
AM100R-US-1	1/2 in.	DN15	Union Sweat	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	Heating Only
AM100R-UT-1	1/2 in.	DN15	Union NPT	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	Heating Only
AM101-1	3/4 in.	DN20	NPT	3.8 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM101-UCPVC-1	3/4 in.	DN20	Union CPVC	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM101-UPEX-1	3/4 in.	DN20	Union PEX	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM101-US-1	3/4 in.	DN20	Union Sweat	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM101-UT-1	3/4 in.	DN20	Union NPT	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	—

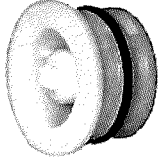
Thermostatic Mixing Valves

Product Number	Pipe Size		Connection Type	Capacity (Cv)	Operating Temperature Range		ASSE	Comments
	(inch)	(DN)			(F)	(C)		
AM101C-1	3/4 in.	DN20	NPT	3.8 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM101C-UCPVC-1	3/4 in.	DN20	Union CPVC	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM101C-UPEX-1	3/4 in.	DN20	Union PEX	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM101C-US-1	3/4 in.	DN20	Union Sweat	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM101C-UT-1	3/4 in.	DN20	Union NPT	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM101C1070-UCPVC-1	3/4 in.	DN20	Union CPVC	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	—
AM101C1070-UPEX-1	3/4 in.	DN20	Union PEX	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	—
AM101C1070-US-1	3/4 in.	DN20	Union Sweat	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	—
AM101C1070-UT-1	3/4 in.	DN20	Union NPT	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	—
AM101R-UPEX-1	3/4 in.	DN20	Union PEX	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	Heating Only
AM101R-US-1	3/4 in.	DN20	Union Sweat	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	Heating Only
AM101R-UT-1	3/4 in.	DN20	Union NPT	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	Heating Only
AM102-1	1 in.	DN25	NPT	4.3 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM102-US-1	1 in.	DN25	Union Sweat	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM102-UT-1	1 in.	DN25	Union NPT	3.9 Cv	70 F to 145 F	21 C to 63 C	1017	—
AM102C-1	1 in.	DN25	NPT	4.3 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM102C-US-1	1 in.	DN25	Union Sweat	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM102C-UT-1	1 in.	DN25	Union NPT	3.9 Cv	70 F to 120 F	21 C to 49 C	1017	—
AM102C1070-US-1	1 in.	DN25	Union Sweat	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	—
AM102C1070-UT-1	1 in.	DN25	Union NPT	1.8 Cv	70 F to 120 F	21 C to 49 C	1070	—
AM102R-US-1	1 in.	DN25	Union Sweat	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	Heating Only
AM102R-UT-1	1 in.	DN25	Union NPT	3.9 Cv	70 F to 180 F	21 C to 82 C	No Approval	Heating Only



Thermostatic Mixing Valves

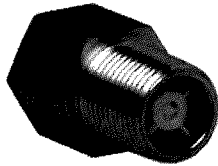


New Style AM-1 Series Valves Replacement Parts

Product Number	Description	
AM-1-020RP	Rebuild kit for AM-1 Series B (60 - 100F; 16-38C) or Series C (80 - 120F; 27 - 49C) range valves. Includes thermal element, spring, diffuser, spool and O-rings	
AM-1-025RP	Thermal element, spring, and plug assembly. Rebuild kit for AM-1 "Standard" series and AMX300 series valves	
AM-1-030RP	Rebuild kit for AM-1 Series 1070 valves; (70 - 120F; 21 - 49C). Includes thermal element, spring, diffuser, spool and O-rings	
AMCU100	Replacement Check Valve for all AM-1 Series union model valves	
AMU200-RP	Gasket kit for 1/2 inch, 3/4 inch and 1 inch AM and AM-1 Series valves; 3 gaskets per kit	

Old Style AM Series Valves (manufactured before 2001) Replacement Parts

Product Number	Description
AM100-001RP	Rebuild kit for AM C Series valves, 90-120 F (32 - 49C) range. Does not fit AM-1 Series
AM100-002RP	Rebuild kit for AM Standard Series valves, 110-145 F (43 - 63C) range. Does not fit AM-1 Series
AM100-010RP	Rebuild kit for AM R Series valves, 70 - 100F (21 - 38C) range. Does not fit AM-1 Series
AMU200-RP	Gasket kit for 1/2 inch, 3/4 inch and 1 inch AM and AM-1 Series valves; 3 gaskets per kit

Mixing Valve Accessories

Product Number	Description	
AM08-038	1/2 inch Sweat union kit. Includes tailpiece, union nut and gasket	
AM08-039	3/4 inch Sweat union kit. Includes tailpiece, union nut and gasket	
AM08-040	1 inch Sweat union kit. Includes tailpiece, union nut, gasket and retaining ring	
AM08-041	1/2 inch NPT union kit. Includes tailpiece, union nut and gasket	
AM08-042	3/4 inch NPT union kit. Includes tailpiece, union nut and gasket	
AM08-043	1 inch NPT union kit. Includes tailpiece, union nut, gasket and retaining ring	
AM206-040	3/4 inch CPVC union kit. Includes tailpiece, union nut and gasket	
AM206-041	1/2 inch PEX union kit. Includes tailpiece, union nut and gasket	
AM206-042	3/4 inch PEX union kit. Includes tailpiece, union nut and gasket	
CVT-050	1/2 in. FNPT x 1/2 in. MNPT Check Adapter for use with AM-1 NPT valves	
CVT-075	3/4 in. FNPT x 3/4 in. MNPT Check Adapter for use with AM-1 NPT valves	
MX050-RP	1/2 inch Recirculation adapter kit. Includes 1/2 inch MNPT union nut and gasket	
TS205-064	Thermostrip temperature indicator for potable mixing valves, 110-140F (43 - 60C) range Strip	
TS206-080	Thermostrip temperature indicator for R Series radiant mixing valves, 105 - 180F (41 - 82C) range	

Replacement Parts SM Series (Old Style)

Product Number	Description
SM100-004RP	SM Series Element, spring and shuttle assembly