

Thermostatic Mixing Valves

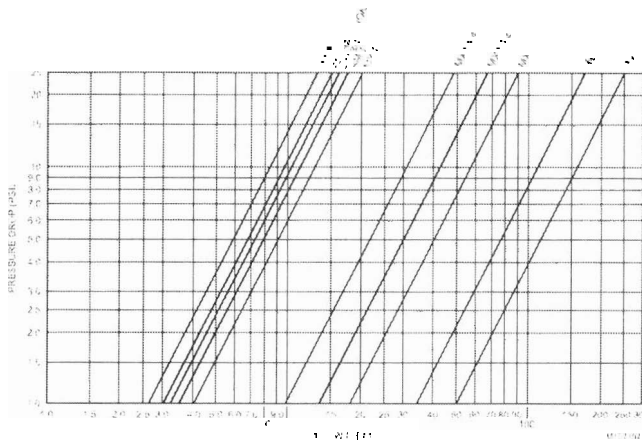
AM-1 Series—Thermostatic Mixing Valve



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).
- Anti-scald, anti-chill thermal shock protection.
- Temperature limit at any point.
- Flow reduction in seconds if cold water supply is interrupted
- Nickel-plated brass construction. EPDM O-rings.
- All brass 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® coated to prevent mineral build-up and extend life.
- Tamper evident design.
- Valve trapping not required.
- Union STD & C Models include check valves (hot/cold ports)
- Thermostrip included in STD & C Models for initial temperature setting
- ASSE 1016 and ASSE 1017 approved
- CSA and IAPMO approved
- U.S. Patent No. 6,079,625

Pressure Drop Chart



Application: Heat Pump Systems. 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:

AM100-002RP AM Series standard element, spring and plug assembly

Product Number	Pipe Size		Connection Type	Capacity (Cv)	Operating Temperature Range		ASSE
	(inch)	DN			(F)	(C)	
AM100-1	1/2 in	DN15	NPT	3.2	100 F to 145 F	38 C to 63 C	IAPMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F 80 F - 120 F only) 1016
AM100-US-1	1/2 in	DN15	Union Sweat	3.9	100 F to 145 F	38 C to 63 C	1017 (100 F - 145 F 80 F - 120 F only) 1016
AM100-UT-1	1/2 in	DN15	Union NPT	3.9	100 F to 145 F	27 C to 49 C	1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM100B-1	1/2 in	DN15	NPT	3.2	60 F to 100 F	16 C to 38 C	—
AM100B-US-1	1/2 in	DN15	Union Sweat	3.9	60 F to 100 F	16 C to 38 C	—
AM100B-UT-1	1/2 in	DN15	Union NPT	3.9	60 F to 100 F	16 C to 38 C	—

Thermostatic Mixing Valves

Product Number	Pipe Size		Connection Type	Capacity (Cv)	Operating Temperature Range		ASSE
	(inch)	DN			(F)	(C)	
AM100C-1	112 in.	DN15	NPT	3.2	80 F to 120 F	27 C to 49 C	1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM100C-US-1	112 in.	DN15	Union Sweat	3.9	80 F to 120 F	27 C to 49 C	1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM100C-UT-1	112 in.	DN15	Union NPT	3.9	80 F to 120 F	27 C to 49 C	1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM100R-US-1	112 in.	DN15	Union Sweat	3.9	80 F to 180 F	27 C to 82 C	—
AM100R-UT-1	112 in.	DN15	Union NPT	3.9	80 F to 180 F	27 C to 82 C	—
AM101-1	3/4 in.	DN20	NPT	3.8	100 F to 145 F	38 C to 63 C	IAPMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM101-UCPVC-1	3/4 in.	DN20	Union CPVC	—	100 F to 145 F	38 C to 63 C	1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM101-US-1	3/4 in.	DN20	Union Sweat	3.9	100 F to 145 F	38 C to 63 C	1016 IAPMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F, 80 F - 120 F only)
AM101-UT-1	3/4 in.	DN20	Union NPT	3.9	100 F to 145 F	38 C to 63 C	1016 IAPMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F, 80 F - 120 F only)
AM101B-1	3/4 in.	DN20	NPT	3.8	60 F to 100 F	16 C to 38 C	—
AM101B-UCPVC-1	3/4 in.	DN20	Union CPVC	—	60 F to 100 F	16 C to 38 C	—
AM101B-US-1	3/4 in.	DN20	Union Sweat	3.9	60 F to 100 F	16 C to 38 C	—
AM101B-UT-1	3/4 in.	DN20	Union NPT	3.9	60 F to 100 F	16 C to 38 C	—
AM101C-1	3/4 in.	DN20	NPT	3.8	80 F to 120 F	27 C to 49 C	1017 (100 F - 145 F, 80 F - 120 F only) 1016 APMO (80 F - 120 F, 100 F - 145 F only)
AM101C-UCPVC-1	3/4 in.	DN20	Union CPVC	2.4 Cv	80 F to 120 F	27 C to 49 C	IAPMO (80 F - 120 F, 100 F - 145 F only) 1016 1017
AM101C-US-1	3/4 in.	DN20	Union Sweat	3.9	80 F to 120 F	27 C to 49 C	IAPMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM101C-UT-1	3/4 in.	DN20	Union NPT	3.9	80 F to 120 F	27 C to 49 C	IAPMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM101R-US-1	3/4 in.	DN20	Union Sweat	3.9	80 F to 180 F	27 C to 82 C	—
AM101R-UT-1	3/4 in.	DN20	Union NPT	3.9	80 F to 180 F	27 C to 82 C	—
AM102-1	1 in.	DN25	NPT	4.3	100 F to 145 F	38 C to 63 C	IAPMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM102-US-1	1 in.	DN25	Union Sweat	3.9	100 F to 145 F	38 C to 63 C	1016 IAPMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F, 80 F - 120 F only)
AM102-UT-1	1 in.	DN25	Union NPT	3.9	100 F to 145 F	38 C to 63 C	1016 APMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F, 80 F - 120 F only)
AM102B-1	1 in.	DN25	NPT	4.3	60 F to 100 F	16 C to 38 C	—
AM102B-US-1	1 in.	DN25	Union Sweat	3.9	60 F to 100 F	16 C to 38 C	—
AM102B-UT-1	1 in.	DN25	Union NPT	4.3	60 F to 100 F	16 C to 38 C	—
AM102C-1	1 in.	DN25	NPT	3.9	80 F to 120 F	27 C to 49 C	1017 (100 F - 145 F, 80 F - 120 F only) 1016 IAPMO (80 F - 120 F, 100 F - 145 F only)
AM102C-US-1	1 in.	DN25	Union Sweat	3.9	80 F to 120 F	27 C to 49 C	IAPMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM102C-UT-1	1 in.	DN25	Union NPT	3.9	80 F to 120 F	27 C to 49 C	IAPMO (80 F - 120 F, 100 F - 145 F only) 1017 (100 F - 145 F, 80 F - 120 F only) 1016
AM102R-US-1	1 in.	DN25	Union Sweat	3.9	80 F to 180 F	27 C to 82 C	—
AM102R-UT-1	1 in.	DN25	Union NPT	3.9	80 F to 180 F	27 C to 82 C	—

Products are available through authorized Honeywell distributors
70-6910