

## AM Installation Kits

To help you install your new AM Series boiler or water heater, AERCO has compiled everything you need into one, convenient place, our AM Installation Kits. These kits eliminate the need to separately purchase all near-equipment piping components as well as remove any guesswork regarding which size piping is appropriate for your project. You'll have all the components you need at your fingertips to get your AM unit installed quickly and properly so it operates at peak performance. Variable speed pump kits allow heating applications to operate at designed efficiencies throughout all load changes.

AM Installation Kits contain all near-equipment piping components\* including:

- Constant or variable speed pump with mating flange
- RIB Relay/starter for pump contact
- Positive shut-off circuit setter (for constant speed pump kits only)
- Tee for low water cutoff installation
- Y-Strainer (304 SS screen, #20 mesh) with blow-off valve
- Isolation ball valves
- Pipe fittings



Components may vary from illustration

## Design Guides for Piping Selection

Using our AM Series Primary Loop Design Guides, we'll also help you select the correct piping for your specific application. To use these simple guides, you only need to know your equipment model and the design temperature rise (heating)/water hardness (domestic hot water), and we'll tell you which installation kit and accurately sized piping you need. See examples below:

Design Temperature Rise		AM 399	AM 500	AM 750	AM 1000
Domestic hot water Water Hardness: 10 gpg Max	Water Flow (gpm)	22	24	36	48
	Constant Speed Pump Installation Kit	58135-1	58135-2	58135-2	58135-3
	Boiler loop pipe Diam.	1-1/2"	2"	2"	2"
Domestic hot water Water Hardness: 18 gpg Max	Water Flow (gpm)	37	37	60	75
	Constant Speed Pump Installation Kit	58135-3	58135-3	58135-4	58135-4
	Boiler loop pipe Diam.	2"	2"	2-1/2"	2-1/2"

\*Domestic hot water kits include lead-free components

## Boilers

Design Temperature Rise		AM 399	AM 500	AM 750	AM 1000
Heating: ΔT 40°F	Water Flow (gpm)		24	36	48
	Variable Speed Pump Installation Kit		58145-1	58145-3	58145-4
	Constant Speed Pump Installation Kit		58134-1	58134-4	58134-5
	Boiler loop pipe Diam.		1-1/2"	2"	2-1/2"
Heating: ΔT 30°F	Water Flow (gpm)	24.5	30.7	46	61.3
	Variable Speed Pump Installation Kit	58145-1	58145-6	58145-4	58145-5
	Constant Speed Pump Installation Kit	58134-1	58134-6	58134-5	58134-5
	Boiler loop pipe Diam.	1-1/2"	2"	2-1/2"	2-1/2"
Heating: ΔT 25°F	Water Flow (gpm)	29.4	36.8	55.2	73.6
	Variable Speed Pump Installation Kit	58145-6	58145-6	58145-7	58145-7
	Constant Speed Pump Installation Kit	58134-6	58134-6	58134-7	58134-7
	Boiler loop pipe Diam.	2"	2"	2-1/2"	2-1/2"

Note: See AM Series Primary Loop Design Guides C400.3 (Boiler), C400.4 (Domestic hot water) for details.

A gas regulator/ball valve kit is also available. This kit consists of properly sized gas regulator, isolation ball valve, and pipe fittings.

### Non-Lock-up Style: Maximum Inlet Pressure = 14" W.C.

Regulator Kit	Gas Inlet Pressure Range (Natural Gas, Propane)			
	AM399	AM500	AM750	AM1000
58133-5				Up to 14" WC
58133-4			Up to 14" WC	
58133-3		Up to 14" WC		
58133-2	Up to 14" WC			

### Lock-up Style: Maximum Inlet Pressure = 2 PSI

Regulator Kit	Gas Inlet Pressure Range (Natural Gas, Propane)			
	AM399	AM500	AM750	AM1000
58133-6				>14" WC to 20"
58133-7			>14" WC to 20" WC	>20" WC to 1.5 psi
58133-9			>20" WC to 2 psi	>1.5 psi to 2 psi
58133-8		>14" WC to 1.0 psi		
58133-1	>14" WC to 2 psi	>1.0 psi to 2 psi		



Heating and Hot Water Solutions

AERCO International, Inc. • 100 Oritani Drive • Blauvelt, NY 10913  
 USA: T: (845) 580-8000 • Toll Free: (800) 526-0288 • AERCO.com