

Water Heaters

Hot Water for
Cold Weather Concrete



from

and



M-1 Water Heater



HM-1.7 Water Heater



HWP Water Heater and Storage Tank

M Series Simple Operation

Get an instantaneous and continuous supply of hot water within one minute of start-up (vs. up to three hours with other systems)

- Three-pass coil design heat transfer method reduces fuel consumption, saving you money
- The modular unit's small footprint makes it easy to expand your system
- Easy to install: pre-plumbed and pre-wired
- Mounted on a rugged steel skid for portability
- Standard BTU ratings are 1, 2, or 3 million
- Available in Oil, Propane, Natural Gas, or Combination
- Custom configurations available



HM Series Reliable Hot Water

Heat output of 1,700,000 BTU/hr (HM-1.7 model) or 5,000,000 BTU/hr (HM-5 model)

- Water temperatures up to 180°F
- High water flow rate
- Variable Frequency Drive (VFD) for precise outlet water temperature control
- Easy burner access for service and maintenance
- Rugged steel skid mounting for portability
- Standard BTU ratings are 1.7 or 5 million
- Available in Oil, Propane, Natural Gas, or Combination
- Custom configurations available



HWP Series

Hot Water Plant

- Heater and storage tank for small-to-medium-sized ready mix plants and construction sites (dams and bridges)
- Standard BTU ratings are 1, 1.7, 2, or 3 million
- Available in Oil, Propane, Natural Gas, or Combination
- Includes circulation pump(s) and discharge pump
- Standard tank size is 1,000 or 2,500 gallons -- other sizes available



PWP Series

Precast Water Plant

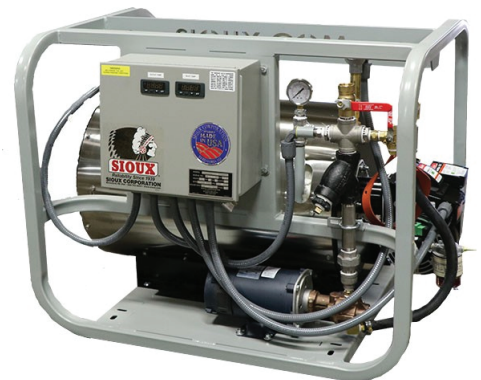
- Water heater and storage tank for precast concrete plants
- Standard BTU ratings are 1 or 1.7 million
- Available in Oil, Propane, Natural Gas, or Combination
- Seven-stage circulation pump and one industrial discharge pump standard
- Standard tank size is 300 gallons -- other sizes available



M-415

Water Heater for Mobile Mixers

- Easily mounts on a volumetric mixer truck for hot water on the go
- Can connect to a truck's fuel system
- In one hour can raise 500 gallons of water 100°F
- The 415,000 BTU/hr heater comes with a 12 volt DC or 120 volt AC burner control (optional)
- Honeywell protector relay with flame monitoring burner control
- Rotary gear type pump with stainless steel shaft
- Temperature display with adjustable tank temperature control
- TEFC ½ HP motor
- On/off switch for water circulation pump and burner



Water Heater Specifications

Model	Net Heat Output	Required Input	Boiler Horse Power	Inlet Gas Conn.	Inlet Water Conn.	Outlet Water Conn.	Num. of Pumps	Size of Water Tank	Standard Electricals	Approx. Dimensions LxWxH (in)	Approx. Shipping Weight (lbs)
M Series											
M-1	1,000,000	1,120,000	30	1"	1-1/2"	2"	1	-	230-460/3/60	80x37x82	1,470
M-2	2,000,000	2,240,000	60	1"	1-1/2"	2"	2	-	230-460/3/60	80x72x82	2,890
M-3	3,000,000	3,360,000	90	1"	1-1/2"	2"	3	-	230-460/3/60	80x104x82	4,085
HM Series											
HM-1.7	1,700,000	1,850,000	50	1-1/2" NPT	2" NPT	2" NPT	1	-	230-460/3/60	114x60x52	3,600
HM-5	5,000,000	5,430,000	150	2-1/2" NPT	4" Flange	4" Flange	2	-	230-460/3/60	216x96x72	13,000
HWP Series											
HWP-1	1,000,000	1,120,000	30	1"	1-1/2"	2"	2	1,000 gal.	230-460/3/60	124x80x80	3,420
HWP-1.7	1,700,000	1,850,000	50	1-1/2" NPT	2" NPT	2"	2	1,000 gal.	230-460/3/60	Contact R.W. Martin PWS for Details	
HWP-2	2,000,000	2,240,000	60	1"	1-1/2"	2"	3	1,000 gal.	230-460/3/60	124x80x80	4,540
HWP-3	3,000,000	3,360,000	90	1"	1-1/2"	2"	4	1,000 gal.	230-460/3/60	Contact R.W. Martin PWS for Details	
HWP-1 (2,500 gal.)	1,000,000	1,120,000	30	1"	1-1/2"	2"	2	2,500 gal.	230-460/3/60	Contact R.W. Martin PWS for Details	
PWP Series											
PWP-1	1,000,000	1,120,000	30	1"	1-1/2"	2"	2	300 gal.	230-460/3/60	93x80x82	1,720
PWP-1.7	1,700,000	1,850,000	50	1-1/2" NPT	2" NPT	2"	2	300 gal.	230-460/3/60	Contact R.W. Martin PWS for Details	

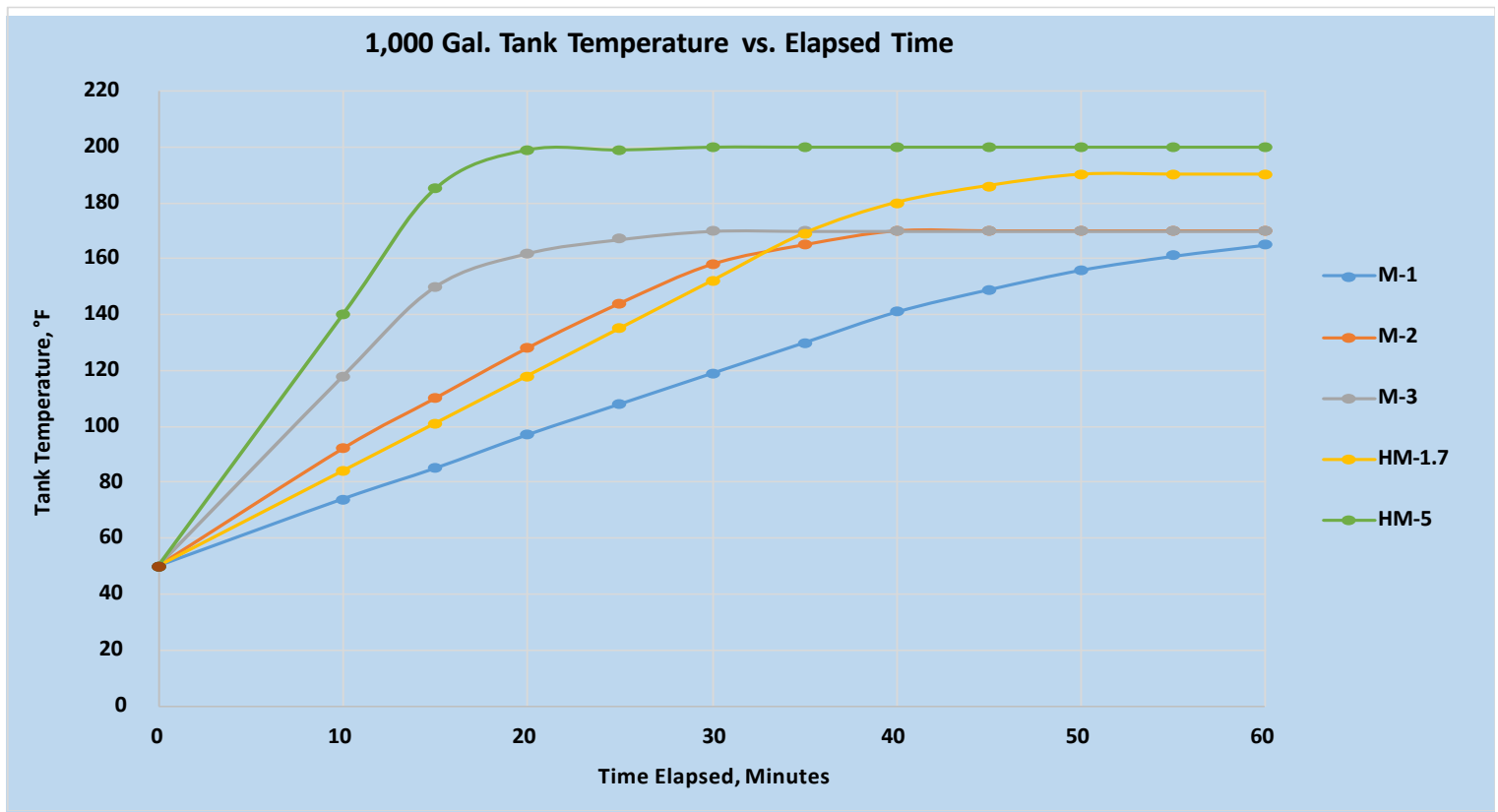
Note: Heat output is approximate

Sioux Industrial Water Heaters

Water Heater Quick Selection Guide

Application	Ratings of Heater	Model	Includes Tank	Page
Small to medium ready mixed concrete plant (under 100 yards per hour)	1 to 3 M BTU/hr	M	No	2
Medium to large ready mixed concrete plant (60 - 250 yards per hour)	1.7 or 5 M BTU/hr	HM	No	2
Small to medium ready mixed concrete plant (under 100 yards per hour)	1 to 3 M BTU/hr	HWP	Yes	5
Precast concrete plant	1 or 1.7M BTU/hr	PWP	Yes	5
Volumetric mixer truck	415,000 BTU/hr	M-415	No	5

Water Heater Performance



Performance Chart Notes:

1. All ratings are based upon operation at 70°F and at sea level conditions
2. Derate 4% per each 1,000 feet altitude over 3,000 feet

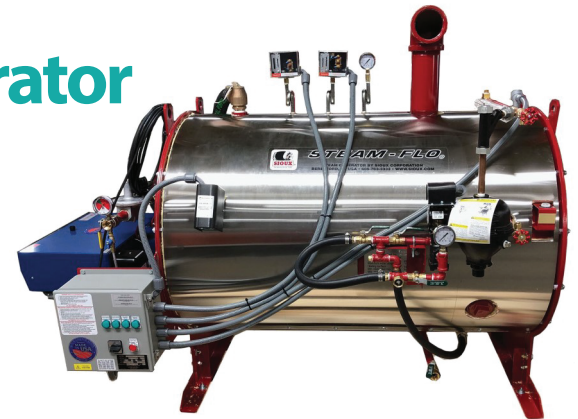
Sioux Steam-Flo

Low Pressure Steam Generator

Thaw and heat aggregates

Accelerate the curing process in precast concrete, pipe, prestress and block operations

- Open and enclosed trailer units available for portable use
- Steam-Flo can replace conventional boiler
- Can be fitted with water tank and generator for completely self-contained operation
- 3-pass dry back Scotch boiler increases efficiency and reduces operating costs
- Low water sensor switches and automatic water feeder maintain water level and provide low water shutdown
- Meets UL-508a and CSD-I of the ASME Code



SF-25, Leg Mount Steam-Flo



Several highway-rated trailer options available

Specifications

Steam-Flo Model	Boiler Horsepower	Steam Output (lbs/hr)	Burner Type
SF-11	11	380	Oil, Natural Gas or Propane
SF-20	20	690	Oil
SF-25	25	860	Natural Gas or Propane
SF-50	50	1,725	Oil, Natural Gas or Propane
SF-100	100	3,450	Oil, Natural Gas or Propane



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