

Phase III HM G Series Water Heaters Domestic Piping and Inner Tank Draining Addendum Instructions



WARNING

Indicates the presence of a hazardous situation which, if ignored, will result in death, serious injury or substantial property damage.

CAUTION

Indicates the presence of a hazardous which if ignored, will or can result in minor personal injury or property damage.

WARNING

Failure to follow information below can result in severe personal injury, death or substantial property damage:

- Instructions are for use only by a qualified installer/service technician.
- Read all instructions before proceeding.
- Follow instructions in proper order.

General Piping

- Refer to HM G Series Installation and Maintenance Guide for installation instructions.
- Refer to Fig. 1 of this addendum for recommended domestic piping.
- Refer to Fig. 2 for inner tank drain piping.
- Factory installed T&P relief valve in run (straight through leg) of tee located at domestic hot water outlet of water heater (Fig.1).
 - Watts 40XL-8 or equivalent.

Draining Inner (Domestic) Tank

WARNING

Water from opened drain valves, unions and other connections may be extremely hot. To avoid severe personal injury, death or substantial property damage:

- Tighten all drain hose connections
- Direct hot water away from all persons.

1. Disconnect power supply to water heater.

CAUTION

If outer (boiler) tank pressure is greater than 15 psig, relieve boiler pressure and close isolation valves before proceeding.

2. Close boiler system supply isolation valve.
3. Close domestic cold water inlet shut-off valve. See Fig 1.
4. Connect a hose to domestic water drain valve. Hose should extend to drain at floor level to allow siphoning of domestic water tank.
5. Open hot water faucet at highest point or break a union above the heater.
6. Open domestic water drain valve to begin siphoning.
7. When draining is complete, close hot water faucet and domestic drain valve.

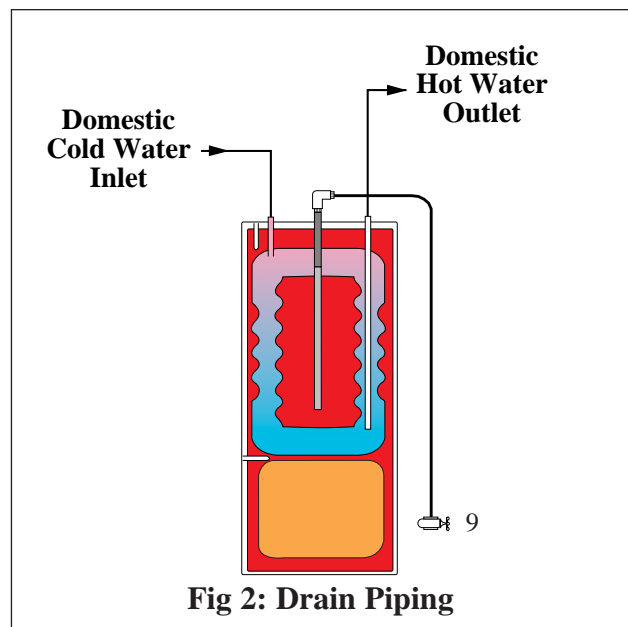


Fig 2: Drain Piping

Installation Addendum

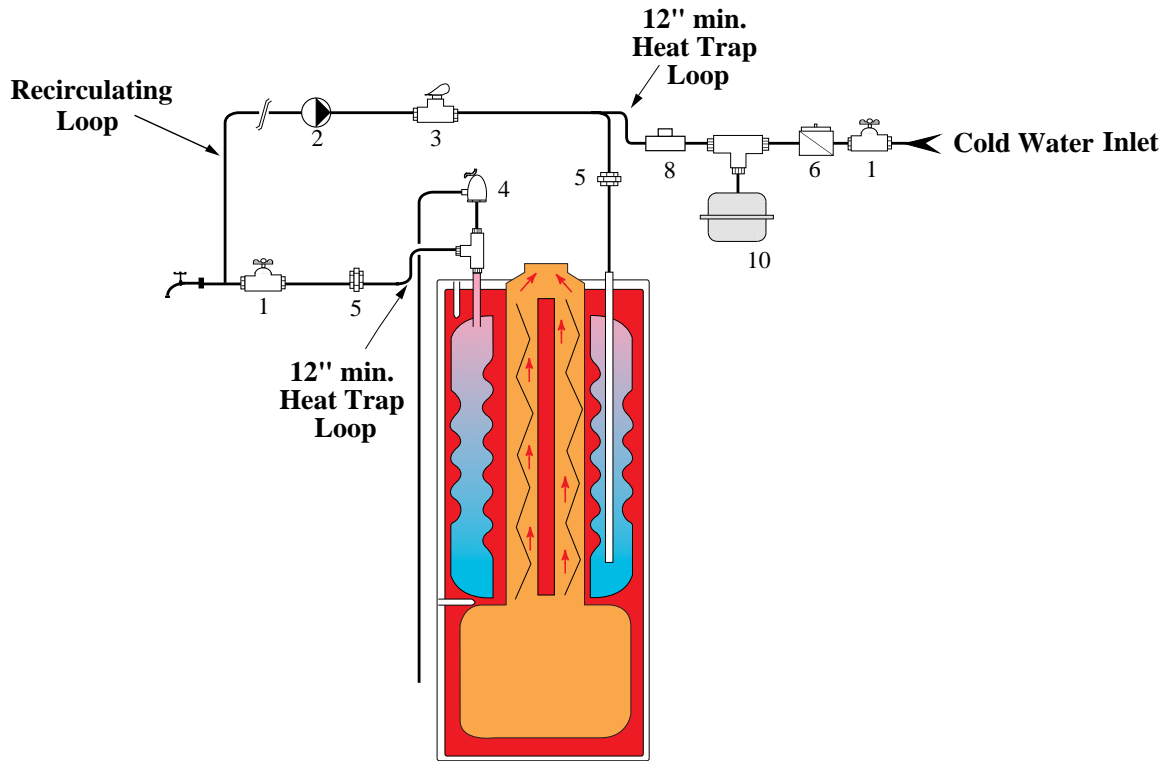


Fig 1: Domestic Piping

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| <ul style="list-style-type: none"> 1. Shut-off valves 2. Circulator 3. Flow check valve 4. T&P relief valve 5. Unions | <ul style="list-style-type: none"> 6. Backflow preventer or pressure reducing valve(*) 8. Vacuum breaker (*) 9. Drain valve (see Fig.2) 10. Thermal expansion tank (potable) |
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(*) Optional devices may be required by local codes

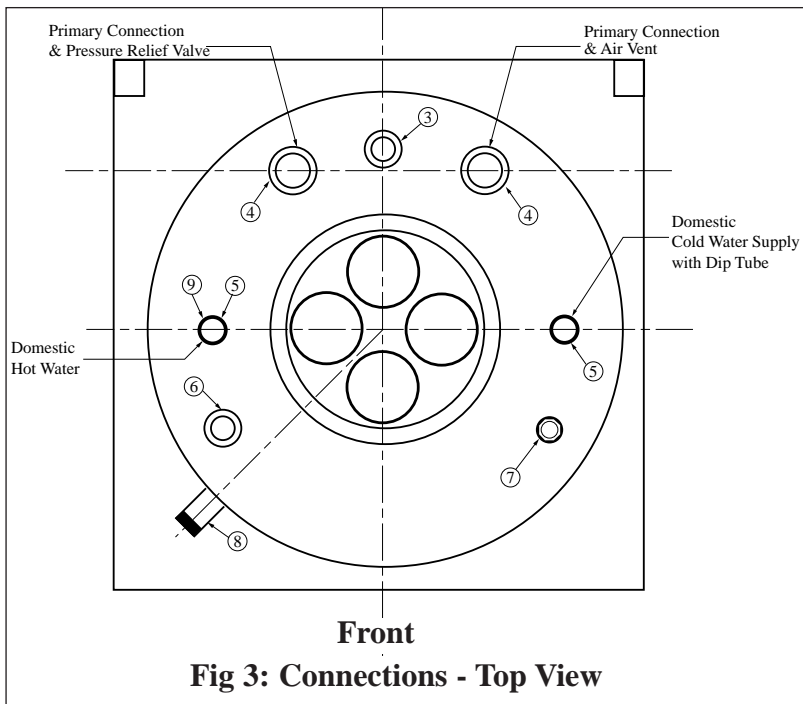


Fig 3: Connections - Top View

Legend

- 3. Drain valve connection & secondary thermostat sensor
- 4. Primary circuit & air vent & pressure relief valve (30 psi), ϕ 1" NPT
- 5. Domestic cold water inlet & Domestic hot water, ϕ 3/4" NPT
- 6. Automatic reset safety sensor & LWCO pressure sensor, ϕ 3/4" NPT
- 7. Primary pressure sensor and manual reset safety sensor, ϕ 1/2" NPT
- 8. Primary thermostat sensor & primary temperature indicator ϕ 1/2" NPT
- 9. Domestic temperature/pressure relief valve (150 psi) ϕ 3/4" NPT