

WATER HEATER – POWER VENT

Equipment Requirements

- Disconnect and remove the existing water heater, disposing of it at an approved site.
- Furnish and install new ENERGY STAR® power vented, gas water heater to the state mechanical and plumbing code, manufacturer's installation instructions and the following specifications:
 - Replaced with same size as existing unit, when possible. If a different size is necessary to meet clearance requirements or the occupant's needs, please discuss with MVAC staff prior to replacement.
 - A minimum rating efficiency of 0.62 with a minimum of 1" polyurethane foam tank insulation.
 - Be supplied with an anode rod.
 - Minimum 5-year tank warranty and a 1-year warranty on parts is required.

Installation Requirements

- Relocate water heater as needed.
- Be on a raised platform or blocks off the basement floor.
- If installed in or above conditioned space or in a location where water damage could occur, install a drain pan according to the requirements of the IRC and installation instructions.
- The cold & hot lines installed with a ball valve.
- T&P valve installed with a 3/4" copper or approved blow-off line to within 6" of the floor and drain into drain pan when used.
- Closed cell foam pipe insulation R3 or higher must be installed on the hot and cold-water for 6' from the tank in all directions. All corners must be mitered and taped as per SWS.
- Set discharge temperature to 120° Fahrenheit.

Venting

- All PVC connections on the furnace must be cleaned with purple cleaner.
- Piping must be secured & suspended (not directly attached) to floor joists a minimum every 5'.
- Intake terminates a minimum of 12" above the average snow accumulation or 12" above grade level, whichever is greater.
- Seal venting as it passes through the sill plate.
- Test holes must be sealed with a stainless steel or PVC plug.

Gas Lines

- Install a new manual in-line gas approved shut-off valve on the supply side of the union, a ground joint type union, and a gas drip tee leg.

NOTE: If ward flex or Gastite gas line will remain, it must be bonded by a licensed Electrician as per manufacturer's instructions and per code.

ELECTRICAL CONNECTION BY LICENSED ELECTRICAL CONTRACTOR. WATER HEATER MUST BE ON GFCI. If manufacturer's instructions indicate not to use GFCI, please follow NEC and local code rules, whichever is more stringent.

Homeowner info/Education

- Leave owner's manual(s), all warranties, and instructions on equipment operation.
- Prominently display the installer's contact information on new unit.
- Educate household on proper operation and maintenance of system.

Work must be performed in accordance with the Standard Work Specifications developed by the National Renewable Energy Laboratory for the Weatherization Assistance Program along with state, local and municipal codes. These standards can be referenced at <https://sws.nrel.gov/>.