

MODEL MHB24G HIGH EFFICIENCY MODULAR GAS BOILER WITH ENCLOSED BASE



SPECIFICATIONS:

Gas heated modular boiler, Vulcan-Hart Model No. MHB24. Cabinet with stainless steel frame, front full height doors, slip-off stainless steel side and aluminized rear panel with 6" adjustable legs with flanged feet for anchoring. 270,000 BTU/hr. high efficiency steam boiler with electronic ignition builds 5.5 BHP. Includes CSD-1 compliant high pressure limit switch (15 psi), low water cut-off, automatic water fill, automatic generator blowdown, 15 psi pressure relief valve and 15 psi kettle connection. Stainless steel cover flue. Service connections include 1" gas connection with gas pressure regulator, 1/2" cold water connection for boiler feed and 1/8" cold water condenser, 120 volt control circuit and 1 1/4" drain connection.

Exterior dimensions: 24"w x 35.4"d x 41.5"h.

CSA design certified. Classified by U L to NSF Std. #4.

Meets ASME code.

SPECIFY TYPE OF GAS WHEN ORDERING.

SPECIFY ALTITUDE WHEN ABOVE 2,000 FT.

STANDARD FEATURES

- Cabinet with stainless steel frame, front full height doors, slip-off stainless steel side and aluminized rear panel with 6" adjustable legs with flanged feet for anchoring.
- 270,000 BTU/hr. high efficiency steam boiler with electronic ignition builds 5.5 BHP. Includes CSD-1 compliant high pressure limit switch (15 psi), low water cut-off, automatic water fill, automatic generator blowdown, 15 psi pressure relief valve and 15 psi kettle connection.
- Service connections include 1" gas connection with gas pressure regulator, 1/2" cold water connection for boiler feed and 1/8" cold water condenser, 120 volt control circuit and 1 1/4" drain connection. (See detail on back page.)
- One year limited parts and labor warranty.

OPTIONS

- Correction facility package:
 - Cabinet door with hasp (lock by others).
 - Control cover (lock by others).
 - Tamper resistant fasteners.
 - Flue riser cover.
- Step down transformer for control circuit if higher than 120 volts.
- Mount and interconnect boiler base with kettle at factory. Includes steam supply piping. Shipped on one skid.
- Second year extended limited parts and labor warranty.

ACCESSORIES






- Stainless steel back panel.
- Interconnecting steam supply plumbing kit.
- Water treatment system.



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SERVICE CONNECTIONS:

-  **GAS CONNECTION:** 1" NPT.
-  **ELECTRICAL CONNECTION FOR CONTROLS:** 120/60/1," 300 watt maximum, power supply with grounding wire required. (For other than 120 volt supply consult factory for location of this connection.)
-  **DRAIN:** Condenser box, compartment and boiler, 1 1/4" NPT. (Provide an open air type drain within 12" of condenser box and for best results at a distance so that steam vapors will not enter the steamer from underneath the control area. Do not connect solely to any drain connections.)
-  **COLD WATER CONNECTION:** 1/2" NPT for boiler feed. Inlet water pressure between 20 and 80 psi.
-  **COLD WATER CONNECTION:** 1/8" NPT for condensate box. Inlet water pressure between 20 and 80 psi.

NOTE:

- Dimensions which locate the above connections have a tolerance of + or -3" (+ or -75 mm).
- Installation of backflow preventers, vacuum breakers and other specific code requirements is the responsibility of the owner and installer. It is the responsibility of the owner and installer to comply with local codes.
- Plastic drains are not recommended due to inherent limited temperatures of the plastic. Boiler purge temperatures may exceed 180°F. The installer may be required to provide means to reduce boiler purge water temperature to be that of the condensate temperature of 140°F or less.
- This appliance is manufactured for commercial installation only and is not intended for home use.

IMPORTANT:

1. A pressure regulator sized for this unit is included. Minimum supply pressure: Natural gas 7" W.C., Propane gas 11" W.C.
2. Gas line connecting to unit must be 3/4" or larger. If flexible connectors are used, the inside diameter must be at least the same as the 3/4" iron pipe.
3. An adequate ventilation system is required for commercial cooking equipment. Information may be obtained by writing to the National Fire Protection Association, Batterymarch Park, Quincy, MA 02289. When writing, refer to NFPA No. 96.
4. These units are manufactured for installation in accordance with ANSZ223.1A (latest edition), National Fuel Gas Code. Copies may be obtained from the American Gas Association, 1515 Wilson Blvd., Arlington, VA 22209.
5. Clearance:

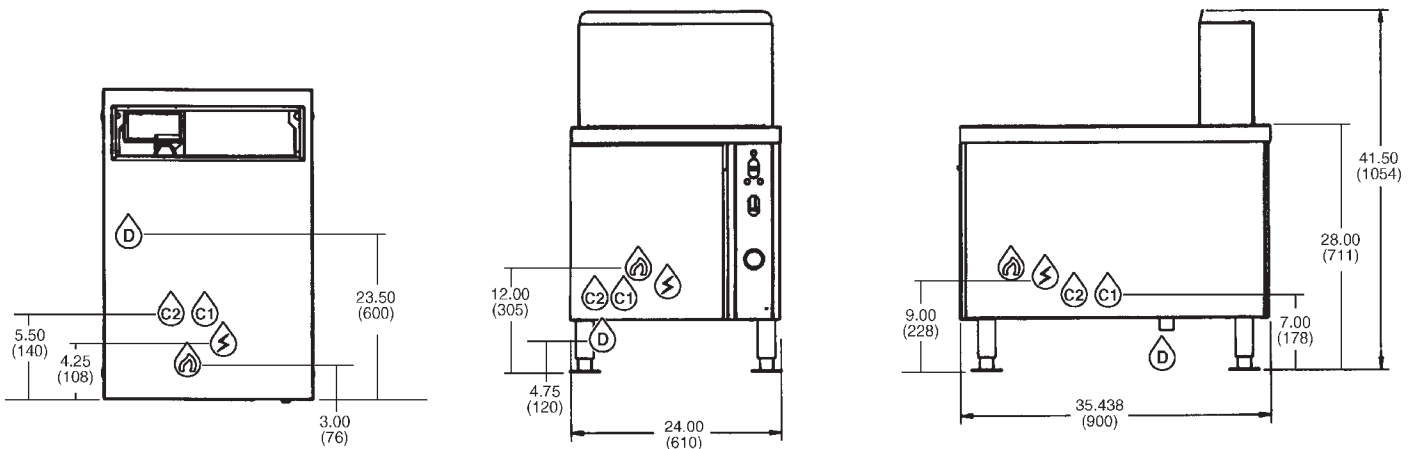
	Combustible	Non-Combustible
Rear	6"	6"
Left & Right Side	6"	6"

WATER QUALITY STATEMENT:

The fact that a water supply is potable is no guarantee that it is suitable for steam generation. Your water supply must be within these general guidelines:

SUPPLY PRESSURE	20 - 60 psig
HARDNESS*	less than 3 grains
SILICA	less than 13 ppm
TOTAL CHLORIDE	less than 4.0 ppm
pH RANGE	7-8
UN-DISSOLVED SOLIDS	less than 5 microns
* 17.1 ppm = 1 grain of hardness	

Other factors affecting steam generation are iron content, amount of chloridation and dissolved gases. Water supplies vary from state to state and from locations within a state. Therefore it is necessary that the local water treatment specialist be consulted before the installation of any steam generating equipment.



NOTE: In line with its policy to continually improve its products, Vulcan-Hart Company reserves the right to change materials and specifications without notice.