

the H-Series Boiler Instruction Manual

7- sizes – 83 MBH to 289 MBH

Arranged for Firing with Oil

Please retain for future reference.



Please read this entire Instruction Manual and the Burner Instruction Manual (included with your burner) before you install and use your new H-Series Boiler. Failure to follow these instructions may result in property damage, bodily injury, or even death.

Installation of this boiler and related equipment must be done in accordance with local codes and local authorities having jurisdiction (your local building department or fire officials). These codes may differ from this manual.

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Save these instructions for future reference!

Introducing Your H-Series Boiler

Thank you for choosing to purchase a HearthStone Hydronics H-Series Boiler. HearthStone has been in the heating equipment business since 1978. We want you to be satisfied with your boiler. All of our boiler castings have a Limited - Lifetime Warranty, a copy of which is included with this document.

The HearthStone Hydronics H-Series Boiler is an efficient 3-pass wet base* design, cast iron, oil fired hot water boiler. The boiler is light, compact, simple, rugged and reliable, and engineered for maximum home heating efficiency. This 3 pass design has been a reliable, effective boiler for years in Europe and is rapidly gaining notoriety in the United States.

All boiler systems must be designed and installed in accordance with national, state, and local plumbing, heating and electrical codes and ordinances, as well as the regulations of the serving electrical, water and gas utilities by competent contractors, and only persons knowledgeable in the layout and installation of heating systems should attempt the installation of any boiler.

Do not attempt to burn any fuel other than as specified by the burner manufacturer in the way directed by that manufacturer. Use only burners approved by HearthStone with this boiler.

Be sure to maintain the designated clearances to combustible surfaces. All flammable liquids (especially gasoline), chemicals, rags, paper, wood scraps, debris, etc., should be kept away from the boiler at all times. Keep the boiler area clean and free of all fire hazards.

Installers- Please read this manual in its entirety before installation.. It explains how to safely install the H Series boiler, operate it, and maintain it. Please pass this manual to the Homeowner to keep handy and refer to it as needed.

The installation of the specific devices supplied with every boiler is absolutely necessary to the safe operation of the boiler and protection of the heating system. Additional components will be required depending on the installation specifics.

It is the responsibility of the installing contractor to see that all controls, plumbing and venting are correctly installed and operating properly when the installation is completed.

Please read the literature and warranties supplied by the manufacturers of the burner and other accessory equipment. This equipment is warranted by the respective manufacturers, not by HearthStone Hydronics.

Validate your limited warranty—return your warranty registration card to HearthStone within 30 days of purchase. Once your warranty has been validated, contact your dealer for any necessary warranty service.

This boiler is manufactured and warranted by:

HearthStone *Quality Home Heating Products Inc.*®
317 Stafford Avenue
Morrisville, VT 05661

*Wet Base- The combustion chamber is surrounded with the water filled cast iron block.

Codes

The HearthStone H-Series Boilers are built in accordance with the ASME Boiler and Pressure Vessel Code, and bear the “H” stamp. Installation of the boiler, burner, oil tank and related equipment must conform to national, state and local regulating agencies and codes applicable to the installation of the equipment.

In the absence of local requirements, the following codes apply:

- ANSI/NFPA - #31 Installation of Oil Burning Equipment
- ANSI/NFPA - #70 National Electric Code
- ANSI/NFPA - #211 Chimneys and Vents

The above codes are available from:

National Fire Protection Association, Inc.
(NFPA)
Battery March Park
Quincy, MA 02269

Safety Information

Read and understand this Instruction Manual thoroughly before installing and using this boiler.

Any appliance that burns natural gas, propane gas, fuel oil, wood or coal is capable of producing carbon monoxide (CO). CO is a gas, which is odorless, colorless and tasteless but is very toxic.

If your HearthStone Hydronics boiler is not working properly, or is not vented properly, dangerous levels of CO may accumulate. CO is lighter than air and thus may travel throughout the building.

- **WARNING: Brief exposure to high concentrations of CO, or prolonged exposure to lesser amounts of CO may result in carbon monoxide poisoning. Exposure can be fatal and exposure to**

high concentrations may result in sudden onset of symptoms including unconsciousness.

Symptoms of CO poisoning include the following: Dizziness, Vision problems, Shortness of breath, Headache, Nausea, Loss of muscle control, Unclear thinking, Weakness, Unconsciousness.

The symptoms of CO poisoning are often confused with those of influenza, and the highest incidence of poisoning occurs at the onset of cold weather or during flu season. A victim may not experience any symptoms, only one symptom, or a few symptoms. Suspect the presence of carbon monoxide if symptoms tend to disappear when you leave your home.

The following signs may indicate the presence of carbon monoxide:

- Hot gases from appliance, venting system, pipes or chimney, escaping into the living space.
- Flames coming out around the appliance.
- Yellow colored flames in the appliance.
- Stale or smelly air.
- The presence of soot or carbon in or around the appliance.
- Very high, unexplained humidity inside the building.

If any symptoms of CO poisoning occur, or if any of the signs of carbon monoxide are present, **vacate the premises immediately and contact a qualified heating service company or the gas company or the fire department.**

To reduce the risk of CO poisoning, have your heating system “tuned up” by a licensed heating contractor or the gas company – preferably before each heating season. Also, have the service company check your chimney or vent

pipes for blockage. Your home should also be adequately ventilated, particularly if you have

insulated your home.

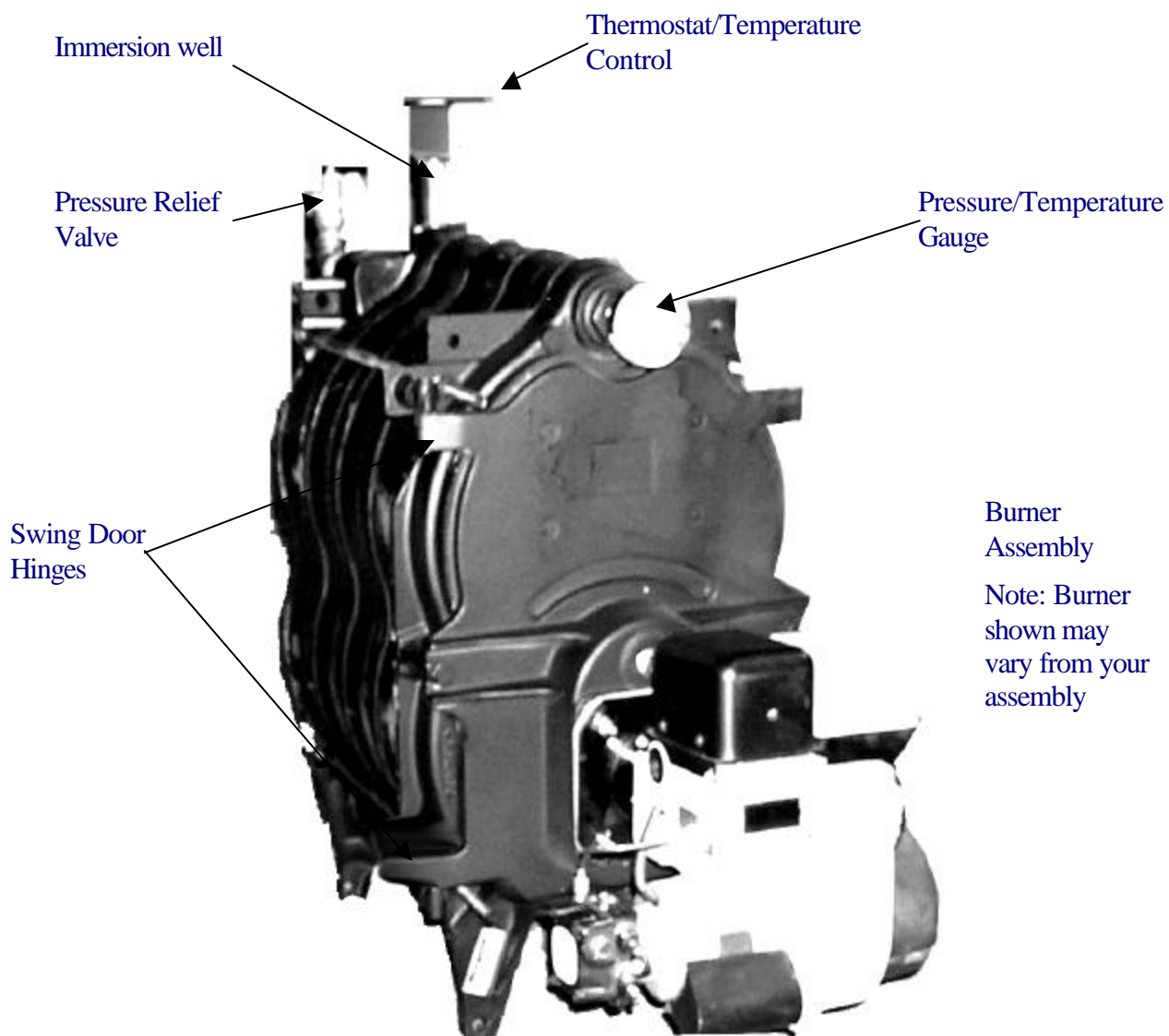


Figure 1: H-series Boiler Block Assembly

NOTE: Only qualified, licensed service contractors should specify, install or perform work on your HearthStone Hydronics boiler.

NOTE: All equipment should be inspected upon delivery, any damage or shortage should be reported to your supplier and shipper immediately.

Setting Up Your H-Series Boiler

Boiler Location

Locate the boiler to provide sufficient clearance for inspection, servicing and maintenance. Minimum clearance to construction or combustible materials should not be less than six (6) inches from the top, sides, and rear of unit, and eighteen (18) inches from the flue pipe in any direction. Front clearance should be at least twenty four (24) inches. Greater distances for ease of access should supersede fire protection clearances. The boiler must be located on a non-combustible floor. A Smooth, level concrete floor is recommended. If the boiler is to be installed on combustible flooring, consult local authorities for proper method of covering floor. This boiler must not be installed on carpeting.

Piping

All piping must conform to state and local codes.

Be sure to provide unions and gate valves at the inlet and outlet of the boiler, so it may be readily isolated for service. Install the pressure relief valve so the discharge is piped directly to the drain, if possible. If not, the discharge should be piped to the floor. In either case the discharge pipe should be the same diameter as the outlet of the relief valve, with no valves or obstructions to impede overflow from the boiler.

It is recommended that the make-up water line have a backflow preventor installed adjacent to the boiler.

NOTE: If the heating system is to be filled with antifreeze, use only formulations expressly made for hydronic heating systems (such as propylene glycol). **Do not use automotive types of antifreeze (ethylene glycol).** Use of antifreeze will alter system output and characteristics.

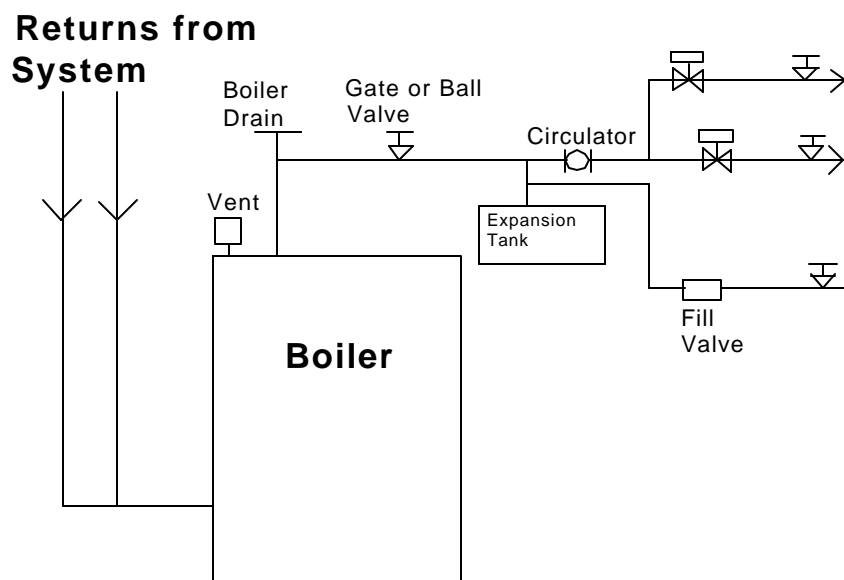


Figure 2 Installation of a Piping System

Unpacking & Assembly

The Controls and Trim Kit, Boiler Jacket Kit and, Burner Kit, are packaged separately for shipping. The components are as follows;

Controls and Trim Kit: *To be installed first. (Refer to Figures 1, 2+3)*

A-Ceramic Blanket (to be inserted inside of the boiler. Reach in the front and lay the blanket flat on the bottom surface. Center in combustion chamber)

B-Immersion Well

C-Pressure/Relief Valve

D-Drain Valve

E-Thermostat/Temperature Control

F-Instruction Manual

G-3/4" x 3" Nipple

H-3/4" x 90° Elbow

I-Temperature/Pressure Gauge

J-Fastener Package;

2- 3/4" x Square Head Plug

1- 1/2" x 1/4" Bushing

1- 3/4" x 1/4" Bushing

1- 1/4" Square Head Plug

4- 8mm Hex Nuts

8- 12mm Hex Nuts

2- #10 x 3/4" Screws

4- 8mm x 25mm Threaded Studs

4- Flat Washers

6- Lock-Toothed Washers

6- Sleeve Spacers

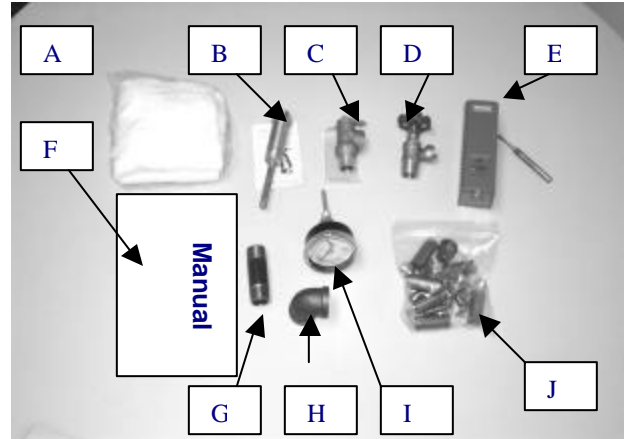


Figure 3: Controls and Trim Kit

If the block needs to be split into sections for ease of delivery, please read the following:

To assemble split blocks, move sections into parallel and facing each other. Sections may be slid along boards placed underneath the sections. Inspect nipple ports for damage or burrs. Remove any burrs by scraping the port very lightly.

Wipe the push nipples and nipple ports with a clean cloth. Apply a film of nipple compound to both the nipple and the port. Install the nipple in the port and then seal by hitting with a hammer cushioned with a block of wood.

*Apply section sealant to one section only and slide sections together. Install the four draw rods and draw the sections together evenly (measure with a yard stick). Draw sections together until section together until sections make iron-to-iron contact at a point around the top and bottom ports of each section. **Do not over-tighten draw rods.***

After assembly of boiler blocks, seal all joints with furnace cement and remove boards.

NOTE: *When cutting off excess length of draw rods, allow enough length to install boiler jacket, which mounts on the draw rods.*

Boiler Jacket Kit:

- 1-Rear Jacket Panel
- 1-Left Side Jacket Panel
- 1-Right Side Jacket Panel
- 1-Lower front Panel
- 1-Front Jacket Panel
- 1-Top Jacket Panel

Assembling the Boiler Jacket *To be installed last.*

NOTE: All equipment should be inspected upon delivery, any damage or shortage should be reported to your supplier and shipper immediately.

Step 1) Place four of the tubular jacket washers on the upper and lower draw rod extensions on the rear of the boiler, and two tubular jacket washers on the top draw rods on the front of the boiler.

Step 2) Position the rear insulated jacket on the back of the boiler by slipping over the draw rods through slotted cut-outs on the rear panel.

Step 3) Position the right and left side jacket panels by slipping the slotted cut-outs over the draw rods. Fasten hex nut to the ends of the tie-rods to hold the jacket in place.

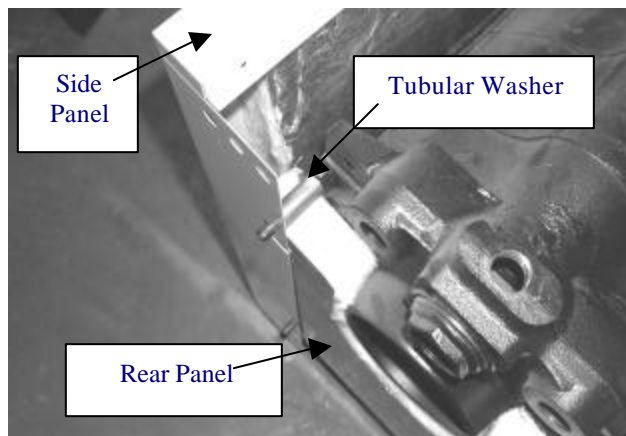


Figure 4: Steps 1, 2 + 3 in Assembling the Boiler Jacket

Step 4) Place the lower front jacket panel in place and secure with self-tapping #10 screws provided.

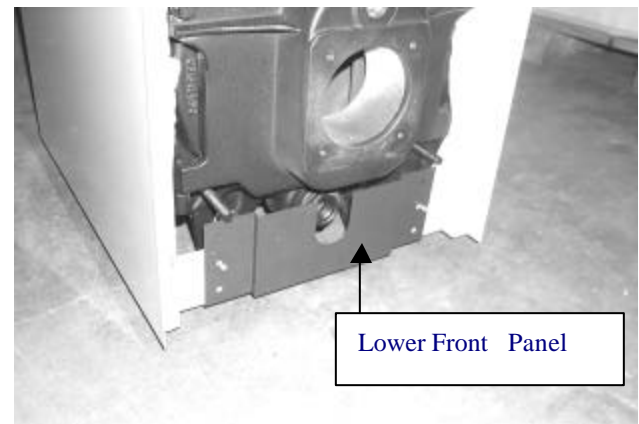


Figure 5: Step 4 in Assembling the Boiler Jacket

Step 5) Set the top panel in place. With the jacket firmly secured, place the front panel in position and press firmly to snap the four spring connectors in place.

NOTE: Do not attach any electrical conduit or boiler piping to the top panel, as this must be removed for access to the operating controls for normal care of the unit.

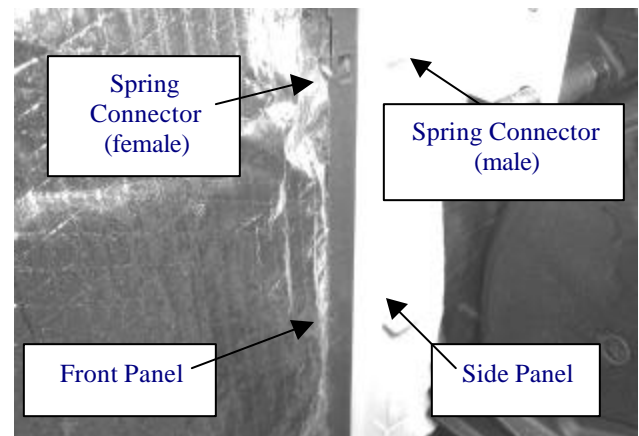


Figure 6: Step 5 in Assembling the Boiler Jacket

When your jacket is completely installed, the outer dimensions will be 18 3/4" Wide x 29 3/4"

High. The depth will vary depending on the size boiler you purchased.

CAUTION: Do not store or use flammable materials, chemicals or flammable liquids, especially gasoline, in the vicinity of this or any other heating appliance.

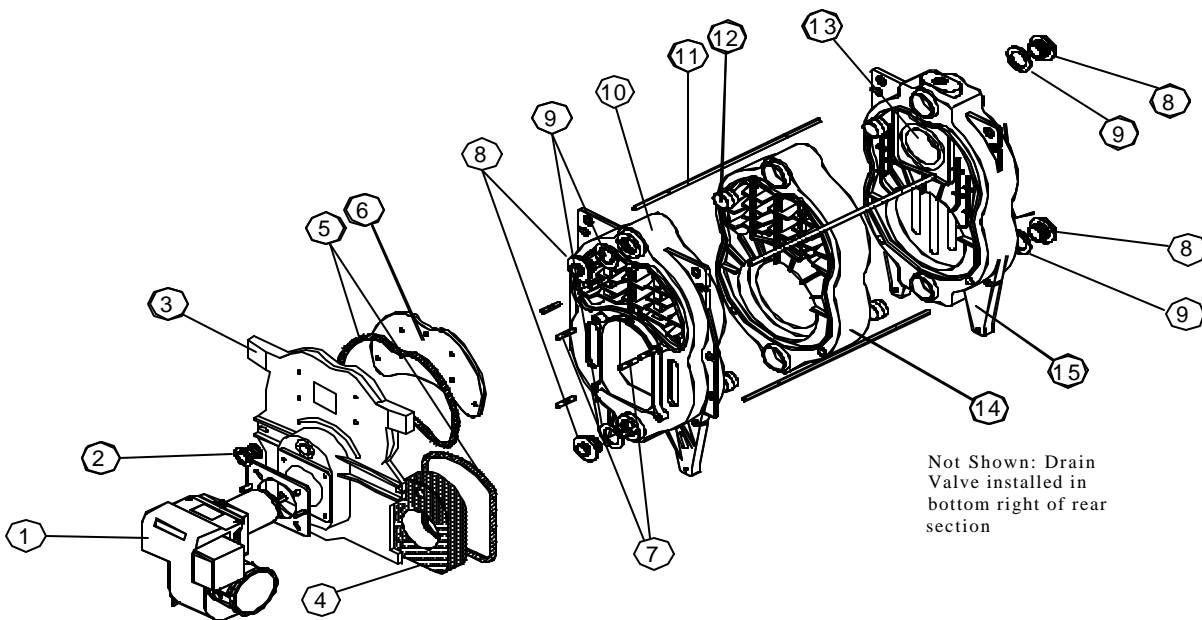


Figure 7: H-Series exploded view

Boiler Components:

- | | |
|---------------------------------|----------------------------------|
| 1 Burner Assembly | 8 Connection reducers (4plcs) |
| 2 Tapped plug | 9 Reducer spacer washers (4plcs) |
| 3 Swing door | 10 Front section |
| 4 Burner plate insulation block | 11 Tie rods (4plcs) |
| 5 Front section gasketing | 12 Section spacers |
| 6 Front top insulation pad | 13 Flue exhaust |
| 7 Front section studs | 14 Intermediate section |
| | 15 Rear section |

Combustion Air Supply

The H-Series Boiler must be installed in a location where available ventilation provides sufficient air for combustion, proper venting of combustion gases, and maintenance of safe ambient air temperatures at safe limits under normal conditions.

If your home is well insulated or especially well sealed, the infiltration air supply to the interior of the house may be inadequate. If normal infiltration is not sufficient, **outside air** is required: Under these conditions, a permanent opening or openings having a total free area of not less than 1 square inch per 4000 Btu/hr (35 in.² per gal/hr), based on the total input rating of all appliances in the space, must be provided.

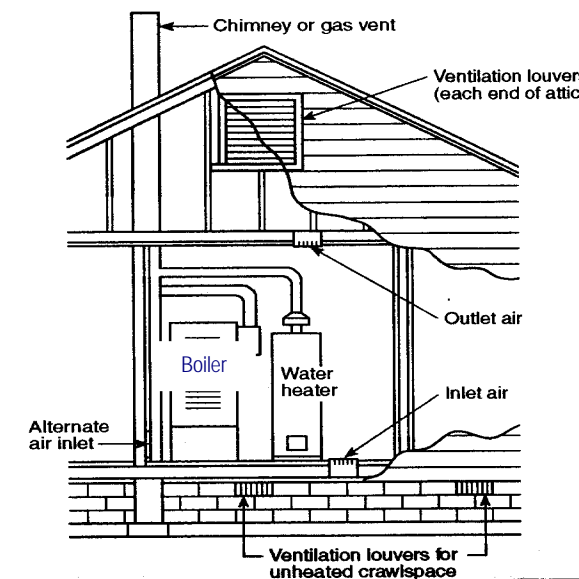


Figure 8: Ventilated Spaces

NOTE: If the boiler is installed in a building where operation of exhaust fans, attic fans,

kitchen ventilators, clothes dryers or fireplaces may create negative venting pressures, causing unsatisfactory combustion or venting, special provisions must be made for additional make up air for those other appliances.

If air filtration to the building is sufficient, and other appliances are not a problem, **inside air** will be provided: A boiler room typically has two permanent openings to inside the building, one near the top of the space and one near the bottom. Each opening must have a free area of not less than 1 square inch per 1000 Btu/hr (140 in.² per gal/hr), based on the total input rating of all appliances in the space. Each opening must freely communicate with interior areas of the building that, in turn, have adequate infiltration from outside.

In calculating the free area required, the blocking effect of louvers, grilles, or screens protecting openings must be taken into consideration.

Screens used in louvers or grilles must not be smaller than 1/4" (63mm) mesh and must be accessible for cleaning.

If the free area of the design of a louver or grille is not known, it shall be assumed that wood louvers will have 20-25 percent free area and metal louvers and grilles will have 60-75 percent free area.

WARNING: Do not connect the boiler to any air distribution duct or system.

A Direct Vent kit is available from your dealer for through the wall venting. A Direct Vent Kit provides for thru-the-wall venting with makeup air provided. For more information, contact your local HearthStone Hydronics dealer.

Venting System and Breaching

The H-Series Boiler must be vented to the outdoors by means of a tile lined masonry chimney or an approved prefabricated chimney of the size and height recommended by the manufacturer.

The H-Series Boiler must be connected to an approved, listed venting to remove combustion (flue) gases. Maintain NFPA 211 clearances at all times.

We recommend a 6" round, insulated, chimney liner or equivalent. Oversized chimneys may cause condensation and eventual chimney failure. Exterior masonry chimney may need to be lined to prevent condensation, and eventual failure.

Secure all joints, including attaching the chimney connector to the boiler's flue collar, with three sheet metal screws. Install #10 x 1/2" (3 mm x 13 mm) sheet metal screws into the holes pre-drilled in the flue collar. You can simplify connecting stovepipe by using additional accessories such as telescoping pipes, slip-connectors, and clean-out tees.

Install the boiler as close as practical to the chimney, while maintaining all proper clearances. Install stovepipe that is as short and as straight as possible. Horizontal runs of stovepipe should always rise away from the boiler a minimum of 1/4" per foot of horizontal runs.

Some installations may require a **Barometric damper**, such as a tall chimney which can create a higher than normal draft. In such cases, a barometric damper can help regulate the draft. A manually operated damper cannot be placed in the chimney connector from an oil-burning appliance.

Where two or more oil-burning appliances are connected to a common chimney, a manual isolating damper may be permitted.

If installed, they will be interlocked to prevent the burner from operation unless the damper is in the full open position.

Automatically operated dampers must be of an approved type, must be designed to maintain a safe damper opening at all times, and must be arranged to prevent starting of the burner unless the damper is fully opened.

Venting Terminations

The termination of venting systems must be located 24 inches above any part of the building structure within 10 feet of the chimney (*Refer to figures 9 +10*). Be sure that the venting system does not become obstructed with squirrel activity, bird nests, soot buildup, chimney liner deterioration, etc.

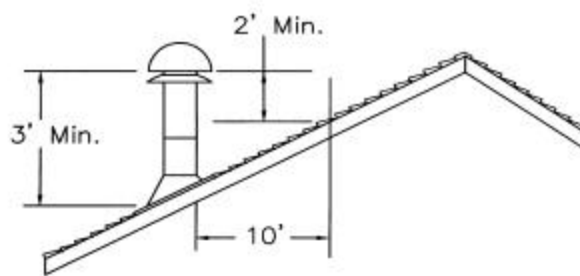


Figure 9: Vertical Terminations

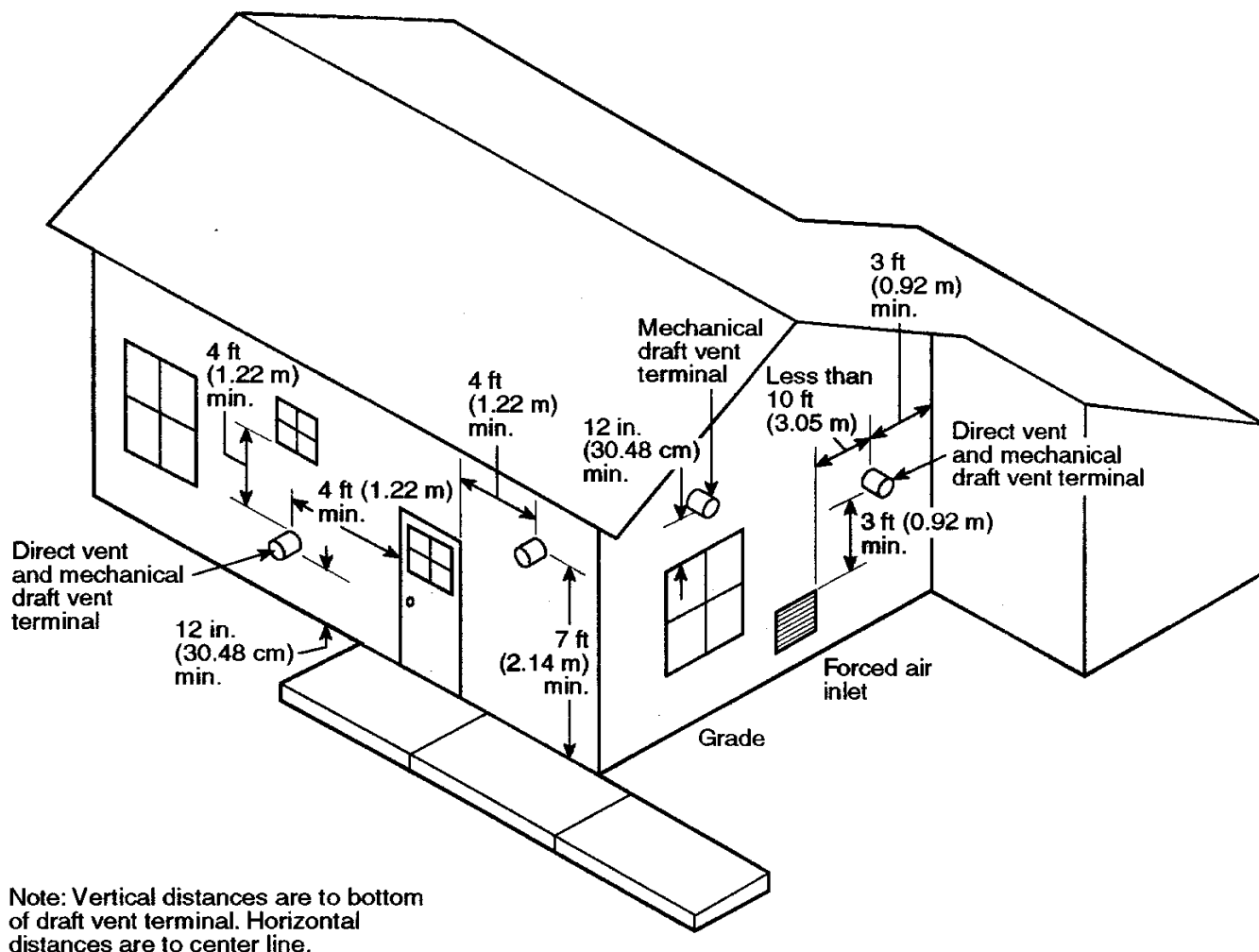


Figure 10: Horizontal Terminations

Burner Setup

Burner Kit: To be installed after the Trim kit is complete.

The burner assembly that is used may be only one approved for use with this boiler. Models of Carlin, Beckett, and Riello burners have been approved for use with the HearthStone Hseries Boiler. These are the recommended burners for use. The components for each burner will vary depending on which manufacturer is being used in this installation.

The H-Series boilers are shipped as factory assembled and sealed blocks, from three (3) to nine (9) sections in length.

The H-series Boiler is so versatile; it can be easily adapted for use with any of three burner systems. *Beckett*, *Riello*, or *Carlin*. The mounting procedure for each of the three is the same. (Please refer to figure 6 for proper placement of the burner.)

- Place the four 8mm x 31mm burner retention studs, that were shipped in the trim kit box, into the front castings threaded holes. (the shorter section of threads will go into the cast)
- Slide the burner system over the studs. Align the slotted pattern over the threaded studs. (Careful not to damage the exposed threads)

- Slide the four flat washers over the studs. Using the four nuts provided, fasten them, securing the placement of the burner assembly.

The setup of the burner from this point forward depends upon which burner has been equipped with this unit. Some of the following information may not relate to your burner. Determine which burner this boiler is equipped with and locate the section that applies to that burner. Each burner will have it's own set of installation instructions.

BECKETT	INSERTION DEPTH = 2.75 INCHES FROM FLANGE						
Model	H-3	H-4	H-5	H-6	H-7	H-8	H-9
FIRING RATE (gph)	0.55	0.80	1.00	1.25	1.50	1.80	2.1
Beckett Model	AF11	AF11	AF11	AF11	SMG	SMG	SMG
Nozzle Manufacture	--	Delavan	Delavan	Delavan	Delavan	Delavan	Delavan
Nozzle for NOM. Output	--	.65 x 60A	.85 x 45B	1.00 x 60B	1.10 x 45B	1.35 x 45B	1.5 x 45 B
Pump pressure	--	160 psi	140 psi	160 psi	185 psi	185 psi	230 psi
Head type	--	6 slot	6 slot	9 slot	S-VI	S-VI	S-VI
# of the pin	--	3	4	5	0	0	1
Air shutter	--	3.5	3.25	3.75	3.5/0	10/1	4/0

For more information on Beckett burners, and the installation of contact:

R.W. Beckett Corporation

38251 CenterRidge Road

North Ridgeville, Ohio 44039-2895

Technical assistance telephone number 1-800-645-2876

Carlin	INSERTION DEPTH = 3.00 INCHES FROM FLANGE						
H-Series Model	H-3	H-4	H-5	H-6	H-7	H-8	H-9
FIRING RATE (gph)	0.55	0.80	1.00	1.25	1.50	N/A	N/A
Carlin Model	EZ-1-HP	EZ-1-HP	EZ-1-HP	EZ-1-HP	EZ-1-HP	N/A	N/A
Nozzle Manufacture	Delavan	Delavan	Delavan	Delavan	Delavan	N/A	N/A
Nozzle for NOM. Output	.50 x 60A	.65 x 60A	.85 x 60B	1.00 x 60B	1.25 x 45B	N/A	N/A
Pump pressure	150 psi	150 psi	150 psi	150 psi	150 psi	N/A	N/A
Head setting	0.50	.60-.65/(.5)	.85-1/ (.6-.65)	.85-1/ (.85-.1)	1.25/ (.85-1)	N/A	N/A
Air shutter and band	.50	.65/(.5)	.85/(.65)	.95/(.75)	1.25/(1)	N/A	N/A

For more information on Carlin burners, and the installation of contact:

Carlin Combustion Technology Inc.

70 Maple Street

East Longmeadow,MA. 01028

Technical assistance phone number 1-800-989-2275

Riello	INSERTION DEPTH = 4.00 INCHES FROM FLANGE						
H-Series Model	H-3	H-4	H-5	H-6	H-7	H-8	H-9
FIRING RATE (gph)	0.55	0.80	1.00	1.25	1.50	1.80	1.90
Riello Model	F-3	F-3	F-5	F-5	F-5	F-10	F-10
Nozzle Manufacture	Delavan	Delavan	Delavan	Delavan	Delavan	N/A	N/A
Nozzle for NOM. Output	.60 x 80W	.65 x 80W	.85 x 60W	1.00 x 60W	1.25 x 45W	1.5 x 45W	1.75 x 60w
Pump pressure	140 psi	150 psi	140 psi	175 psi	175 psi	185 psi	160 psi
Turbulator	2	1	1	3	4	0	1.5
Air shutter and band	3.8	5	5	5	8	3.5	4.2

For more information on Riello burners, and the installation of contact:

Riello Corporation of America

2166 Meadow Pine Blvd.

Mississauga, Ontario,

Canada, L5N6H6

Technical assistance phone number 1-800-474-2556

BOILER MODEL NUMBER	HEATING CAPACITY	GROSS INPUT BURNER CAPACITY		NET OUTPUT NET RATING		FLUE GAS RESISTANCE INS. W.G.	EFFICIENCY %	WATER CONTENT (GALS)	LENGTH (L) INCHES	WEIGHT (LBS)
	MBH	G.P.H.	MBH	MBH	SQ.FT.					
H-3	83	0.6	98	72	480	0.03	85.5	3.5	13.6	249
H-4	94	0.8	110	82	544	0.04	86.3	4.7	17.6	308
H-5	118	1	140	102	683	0.06	86.3	5.7	21.5	367
H-6	148	1.25	175	128	855	0.07	87	6.7	25.5	427
H-7	177	1.5	207	154	1026	0.08	87.5	7.7	29.4	486
H-8	212	1.8	248	184	1229	0.10	86.5	8.7	33.4	546
H-9	247	2.1	289	215	1434	0.12	86.5	9.9	42.5	606

MAXIMUM WATER WORKING PRESSURE - 50 P.S.I.

1. The burner input is based on oil having a heat value of 140,000 BTU/Gal.
2. The net output ratings shown are based on piping and pickup allowance of 1.15.
3. The efficiency ratings are based on a combustion condition of 12.5% CO₂.

Figure 11: Rating Chart

Controls and Features Before operating your Boiler, become familiar with the location of the Safety Features and any user controls installed. Ask your installing contractor where the shut off switch is located. For your own safety, do not modify or re-set any controls yourself in any way

Due to the variance in operating instructions from burner to burner, we will not list the procedure for each in this manual. Each burner assembly contains a full set of operating instructions and trouble shooting guides. Refer to the addresses and support phone numbers on pages 14 + 15 for the burner manufacturers

Cleaning and Maintaining Your Boiler

Check for fouling or soot buildup in the combustion chamber at least every twelve (12) months.

CAUTION: Black carbon soot in the combustion chamber can, under certain conditions, be ignited by a spark or open flame. To prevent this unlikely occurrence, damped soot deposits with a wet brush or a fine water spray before servicing or cleaning the combustion chamber.

Fouling or carbon soot buildup on the surfaces in the combustion chamber is caused by incomplete combustion, and is a sign of combustion air and/or venting problems. As soon as any fouling is observed, the cause of the fouling should be corrected and the combustion chambers should be cleaned as follows:

1. Disconnect the electrical power supply to the boiler, burner and controls.
2. Open the swing door.
3. Brush and vacuum the combustion chamber and flue passages until all deposits are removed.

4. Re-assemble components in reverse order, making sure any damaged gaskets are repaired or replaced.

Other maintenance requirements are as follows:

- Inspect wiring and controls for damage.
- Insure controls are operating correctly.
- Inspect oil supply lines for damage, corrosion or leaks.
- Repair any leaks immediately.
- Inspect, clean or replace oil filter as specified by manufacturer.
- Inspect vent and fill pipes for any obstruction, damage, or corrosion. Clean or replace as necessary.
- Consult burner manual for specific burner maintenance instructions.

General Information

Replacement Parts

Your H-Series Boiler is not typically a user serviceable product. The parts listed below must be installed or replaced by a qualified, experienced technician.

Accessories and Components

DESCRIPTION	PART#
Ceramic Blanket	10-00010
Sleeve Spacer	40-00004
12" Rope Gasket (Med density)	3110-051
Temperature Control Valve	10-00001
Burner Plate Insulation Block	N/A
ALSO AVAILABLE:	
Direct Vent Kits	70-00008

Safety Label

HearthStone®

HYDRONICS

OIL-FIRED BOILER ASSEMBLY

CHAUDIÈRES AU MAZOUT

	MODEL	M.B.H. OUTPUT	MAX. FIRING RATE (U.S.) G.P.H.	ELECTRICAL RATING	MAXIMUM CIRCUIT PROTECTION
↓	MODELE	RENDEMENT M.B.H.	TAUX D'ALLUMAGE MAXIMUM (U.S. GAL.)	CAPACITE ELECTRIQUE	MAXIMUM CIRCUIT PROTECTION
	H-3	83.0	0.7	120V / 60Hz LESS THAN 12 AMPS	15 AMPS
	H-4	93.8	0.8		
	H-5	117.7	1.0		
	H-6	147.5	1.3		
	H-7	177.0	1.5	120V / 60Hz MOINS DE 12 AMPERES	15 AMPERES
	H-8	212.1	1.8		
	H-9	246.0	2.1		

FUEL: NO 2 FUEL OIL ONLY
CARBURANT: CARBURANT À L'HUILE NO 2 SEULEMENT

FOR USE WITH INTEGRAL PRIMARY SAFETY CONTROLS ON ALL MODELS
POUR USAGE EXCLUSIVE AVEC LES CONTROLES PRIMAIRE DE SECURITE INSTALLES SUR TOUS LES MODELES


MINIMUM CLEARANCE TO COMBUSTIBLES DÉGAGEMENT MINIMUM AUX COMBUSTIBLES	
FRONT (BURNER) / (BRÛLEUR) AVANT	24" / 609mm
REAR / ARRIÈRE	*6" / 152mm
RIGHT SIDE / CÔTÉ DROIT	6" / 152mm
LEFT SIDE / CÔTÉ GAUCHE	6" / 152mm
ABOVE / AU-DESSUS	6" / 152mm
CHIMNEY CONNECTOR / JOINT DE LA CHEMINÉE	18" / 457mm

* 10" / 254mm IF USING DIRECT VENT

NON-COMBUSTIBLE FLOOR
MAINTAIN 29" CLEARANCE FOR SERVICING THE FURNACE AND INSTALLATION OF THE CHIMNEY CONNECTOR.
PLANCHER NON-COMBUSTIBLE REQUIERT UN DÉGAGEMENT DE 29" / 73CM POUR L'ENTRETIEN ET LE JOINT DE LA CHEMINÉE.

INSTALL AND USE ONLY IN ACCORDANCE WITH THE MFR'S INSTALLATION AND OPERATING INSTRUCTIONS. NOT FOR ALCOVE, CLOSET OR OUTDOOR INSTALLATION.
INSTALLEZ ET UTILISEZ SEULEMENT EN CONFORMITÉ AVEC LES INSTRUCTIONS D'INSTALLATION ET D'OPERATION DU MANUFACTURIER. NE PEUT PAS ÊTRE INSTALLÉ DANS UN ALCÔVE, UN GARDE-ROBE OU À L'EXTÉRIEUR.

SAFETY TESTED TO UL726
TEST DE SECURITÉ EFFECTUÉ SELON LE CODE UL726 NO



LISTED
OIL-FIRED
BOILER ASSEMBLY

SERIAL # / DE SERIE SUR L'ÉTIQUETTE

TESTED DATE / TESTÉ LE

Assembled & Distributed by
Assemble & Distribué par:
HearthStone Quality Home Heating Products Inc.
317 Stafford Ave.
Morrisville, VT 05661

AP-1500006

DECEMBER 1997

Manufacturing Foundry /
Fonderie Manufacturière:
INDUSTRIAS HERGOM S.A.
SANTANDER, SPAIN

PART #65-00002

HearthStone Hydronics Oil-fired Cast Iron Boiler Limited Lifetime Warranty

This warranty gives you specific legal rights. You may have rights that vary from state to state.

HearthStone Quality Home Heating Products, Inc. (HearthStone) warrants your new Oil-fired Cast Iron Boiler against defects in material and workmanship to the original purchaser (hereafter called the Owner) per the following:

Limited Lifetime Warranty Covers all Cast Iron parts against breakage, cracking, corroding-through or burn-through.

Limited Three-Year Warranty:

- Jacket finish, excluding chipping, mechanical abrasion, chemical abrasion or crazing.
- Gaskets & Sealants.

The warranties of merchantability and fitness for certain components are expressly limited to a term of three (3) years, as noted above. Some states do not allow limitations on the term of an implied warranty, so the above limitation may not apply to you.

Exclusions:

This warranty does not cover, nor is HearthStone responsible for;

Installation or operation of the unit in a manner contrary to the Owner's Manual.

Damage or non-performance resulting from: faulty or incomplete setup, installation and start-up; mishandling; abuse; or misuse of the product, including but not limited to firing with inappropriate fuel or burner assembly.

Installation, modification, alteration, repair or service of the product by any party other than a licensed and or certified boiler technician, or HearthStone Hydronics.

Improperly sized boiler or components, or inappropriate fitness of the product for the installation.

Accessories and other components used in conjunction with the installation of the product *not* manufactured by HearthStone.

Damages caused to the boiler by any accessory or component not manufactured by HearthStone.

Standard wear and tear of the product resulting from normal usage over time.

Damage due to water, or due to installation of the unit in damp or high condensation area.

Damage due to installation of the unit in an atmosphere contaminated by damaging chemicals such as chlorine, fluorine or salts.

High alkalinity, acidity or salt in the water, causing premature corrosion.

Operational-related problems or inadequate performance resulting from site, installation or environmental conditions beyond our control such as nearby trees, rooftops and buildings, wind, hills, mountains, inadequate or excessive venting, insufficient make up air, or negative air pressure which may or may not be caused by other mechanical systems such as furnaces, exhaust fans, clothes dryers, etc.

This warranty extends to the original Owner of the product warranted hereunder. It does not extend to any subsequent owners during the term of the warranty.

Under no circumstances shall HearthStone be liable to the Owner or any other person for any incidental or consequential damages, whether arising out of breach of warranty or otherwise. Note: Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Remedy:

In the event of a defect, malfunction or other failure of the product not caused by misuse or by damage to the product as described above (during shipping or while in the possession of the Owner), HearthStone will remedy the defect or failure under the terms of this warranty. The remedy will consist of repair or replacement, at HearthStone's option, of any defective part. The Owner must return the defective component or boiler, with shipping prepaid, to an authorized HearthStone Hydronics dealer or pay for the authorized HearthStone Hydronics dealer in-home travel fees or service charges for in-home repair work. It is the dealer's option whether the repair work will be done in the Owner's home or in the dealer's shop.

~~*Parts:*~~ HearthStone will replace defective components of the boiler for the period of time listed above at no charge.

~~*Labor:*~~ HearthStone will pay for warranty labor performed by an authorized HearthStone Hydronics dealer, at HearthStone's published labor rates in effect at the time the labor is performed, during the first year of ownership. Thereafter the Owner is responsible for the cost of labor.

~~*Shipping cost for parts:*~~ HearthStone will pay for shipping during the first 90 days of ownership. Thereafter, the Owner is responsible for shipping costs.

~~*Return of the boiler for repair:*~~ If HearthStone deems it necessary to return the boiler to HearthStone, HearthStone will pay 50% and the owner 50% of shipping costs during the first year of ownership. Thereafter, the Owner is responsible for 100% of the shipping costs. HearthStone does not cover any dealer or other fees for pick up or delivery of boiler returned for repair.

To obtain performance of any obligation under this warranty, the Owner must:

1. Within thirty (30) days of the purchase date, return a completed and signed Warranty Registration Form to:

HearthStone Quality Home Heating Products, Inc.

HearthStone Hydronics

Warranty Registration

317 Stafford Avenue

Morrisville, VT 05661

Note: The return of the Warranty Registration Form within thirty (30) days of the purchase is a condition of warranty coverage and performance.

2. In the event of a warranty claim, contact HearthStone or an authorized HearthStone dealer for instructions regarding the return of defective components.