City of Portland, Maine	e - Building or Use F	ermit Applicatio	n Permit No:	Issue Date:	CBL:	
389 Congress Street, 04101				08	386A B040001	
Location of Construction:	Owner Name:		Owner Address:	Phone:		
14 GARSOE DR	HAMMOND T	OBY B ETAL JTS	PO BOX 488		207-637-2715	
Business Name:	Contractor Name:		Contractor Add	ress:	Phone	
	Barry Gammor	Sr.	295 Boothby	Road Limington	2076372715	
Lessee/Buyer's Name	Phone:		Permit Type:		Zone:	
			HVAC			
Past Use:		Permit Fee:	Cost of Work:	CEO District:		
Single Family Home		Home - Install Biasi	\$110.	00 \$8,500.0	0 5	
	Direct Vent Oi	l Burner	FIRE DEPT:	Approved INS	SPECTION:	
				Denied Us	e Group: U Type: ANAC	
				///	Take 2003	
			\downarrow \sim	/K		
Proposed Project Description:	_			′ ′		
Install Biasi Direct Vent Oil	Burner		Signature:		gnature:	
			PEDESTRIAN	ACTIVITIES DISTRIC	T (P.A.M)	
			Action:	Approved Approve	ed w/Conditions Denied	
			Signature:		Date:	
Permit Taken By:	Date Applied For:			-ing Annuoval		
lmd	07/29/2009		Zoning Approval			
		Special Zone or Rev	iews	Zoning Appeal	Historic Preservation	
 This permit application Applicant(s) from meeti Federal Rules. 		Shoreland	□ v	ariance	Oot in District or Landmark	
Building permits do not septic or electrical work		☐ Wetland	M	iscellaneous	Does Not Require Review	
3. Building permits are vo within six (6) months of	id if work is not started	☐ Flood Zone		onditional Use	Requires Review	
False information may i permit and stop all work	nvalidate a building	ubdivision	☐ In	terpretation	Approved	
		Site Plan	A	pproved	Approved w/Conditions	
PERMIT	ISSUED	Maj Minor Mi	M	enied	☐ Denied	
		Date: 8 10 09	Date:		Date: 8/10/07	
AUG	1 1 2009					
		• •				
	DODTI AND					
CHYUF	PORTLAND					
		OPPEIDIC:	WON.			
Thombs with 4 ct of		CERTIFICAT				
I have been authorized by the	e owner to make this appl permit for work describe	ication as his authoriz d in the application is	ed agent and I a issued, I certify	gree to conform to a that the code official	al's authorized representative	

ADDRESS

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE

SIGNATURE OF APPLICANT

DATE

DATE

PHONE

PHONE

•	ne - Building or Use Permit 01 Tel: (207) 874-8703, Fax: (2	Permit No: 09-0808	Date Applied For: 07/29/2009	CBL: 386A B040001		
Location of Construction:	Owner Name:		Owner Address:	Phone:		
14 GARSOE DR	HAMMOND TOBY B	ETAL JTS	PO BOX 488 207-637-2715			
Business Name:	Contractor Name:		Contractor Address:		Phone	
	Barry Gammon Sr.		295 Boothby Road	l Limington	(207) 637-2715	
Lessee/Buyer's Name	Phone:		Permit Type: HVAC			
Proposed Use: Single Family Home - Insta	all Biasi Direct Vent Oil Burner	-	ed Project Description I Biasi Direct Vent			
Dept: Zoning Note:	Status: Approved	Reviewer	: Tammy Munson	Approval l	Date: 08/10/2009 Ok to Issue: ✓	
Note:	Status: Approved with Conditions ly with 2003 International Mechanic		r: Tammy Munson		Ok to Issue: 🗹	





PLANNING& DEVELOPMENT DEPARTMENT Housing& Neighborhood Services Division

Lisa Danforth, Administrative Assistant Imd@portlandmaine.gov

389 Congress Street • Portland, Maine 04101-3509 www.portlandmaine.gov • Ph(207) 874-8703 • Fx874-8716 • TTY 874-890



Original Receipt

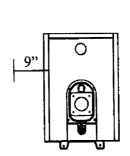
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JUL 2 9 2009	July 29 20 09
Bales	GAMMON. SR.
Received from Sarry	UIAMAN, S.C.
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Cost of Construction \$	Building Fee:
Permit Fee \$	Site Fee:
Certific	ate of Occupancy Fee:
Columb	ate of Goodparity Foo.
_	Total:
Building (IL) Plumbing (IS)	Electrical (I2) Site Plan (U2)
Other HVAV	PLUMBING. LOCOU
*	PLUMBING. 10000 HYAC 11000
CBL: 38LA-B-040	
Check #:	Total Collected \$ 216 65
	arted until permit issued.
Please keep origina	I receipt for your records.
Taken by: Blanyutr.	

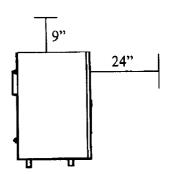
WHITE - Applicant's Copy YELLOW - Office Copy PINK - Permit Copy

3. Boiler Location

The following are the minimum clearance to construction or combustible materials:

- 1. 9" from the top, sides, and rear of the boiler.
- 2. 18" from the flue pipe in any direction.
- 3. 24" from the front of the boiler.





DANGER

The boiler must be located on a non-combustible floor. A smooth, level concrete floor is recommended. Locate the boiler as close as possible to the chimney. If boiler is installed on combustible flooring, consult local authorities for proper method of covering floor. The boiler must not be installed on carpeting.

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

If the boiler is to be installed in a "direct vent" configuration, please refer to the B10 Direct Vent Addendum supplied with the Direct Vent Kit.

PROVISIONS FOR COMBUSTION AIR AND VENTILATION AIR MUST BE IN ACCORDANCE WITH SECTION 5.3, "AIR FOR COMBUSTION AND VENTILATION", OF THE NATIONAL FUEL GAS CODE, ANSI Z223.1, OR APPLICABLE PROVISIONS OF THE LOCAL BUILDING CODES. DO NOT INSTALL THE BOILER UNTIL PROPER COMBUSTION AIR HAS BEEN ARRANGED.

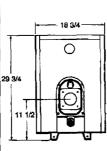
WARNING

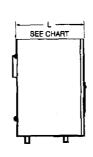
Boiler is certified as an indoor appliance. Do not install boiler outdoors or locate where it will be exposed to freezing temperatures

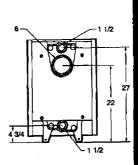
BIASI...The Style of Warmth

The B-10 boiler system has been heating residential buildings throughout the world for years. It has proven its fuel efficiency and durability in countries where fuel can cost up to four times as much as in the U.S. The same fuel saving technology is now available here in North America. With the three pass boiler design and low water content, heat is quickly supplied for your heating zones and hot water needs. Combined with an electronic optimizing control, you can achieve a fuel savings of up to 40% over conventional single pass boilers. You will also have peace of mind since the B-10 boiler package complies with ASME and UL standards and is IBR rated. The B-10 boiler system is the cost-competitive heat and hot water system of choice.







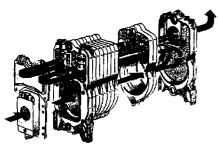




The BIASI B-10 Residential Series

Boiler	D.O.E. Heating	•	out Burner acity	Net I.B.R. Output	AFUE Efficiency	Water Content	Length (L)	Weight
Model #	Capacity	G.P.H.	MBH	(MBH)	(%)	(Gals.)	(Inches)	(Lbs.)
B-3	67	0.55	80	58	86.6	3.7	15.5	247
B-4	97	0.80	112	84	86.8	4.7	19.5	307
B-5	124	1.00	140	108	87.2	5.7	23.5	367
B-6	153	1.25	175	133	86.7	6.7	27.5	427
B-7	185	1.50	215	161	86.8	7.7	31.5	486
B-8	211	1.80	257	183	86.8	8.7	35.5	546
B-9	257	2.10	298	223	86.5	9.7	39.5	606

Maximum water working pressure: 58 PSI. (1) The burner input is based on oil with a heat value of 140,000 BTU/Gal.; (2) The net output ratings shown are based on piping and pick-up allowance of 1.15; (3) The efficiency ratings are based on a combustion condition of 12.5% CO2. Warranty: The BIASI B-10 boiler has a limited lifetime warranty. A copy is provided with each boiler or is available from your dealer. Built in accordance with the requirements of ASME boiler and pressure vessel code.



A 3-pass boiler design is the most efficient way to get the maximum amount of heat from the fuel, since it contains three times as much interior surface area (compared to a single-pass boiler) to extract heat from.

Technical Advantages

- Gas or oil burner compatible
 - Easy access swing door
- No flue required; can be direct vented outdoors
- · Low water content boiler heats up faster with less fuel
 - Efficient 3-pass heat exchanger boiler design
 - GG20 cast-iron construction for superior heat retention and durability
 - ASME, UL, and IBR listed
 - 58 psi cast-iron construction







General Description

The SS2 is a mechanical vent system designed and listed for use with natural draft oil and gas heating equipment. It is factory assembled and wired. The SS2 automatically vents the flue gases from heating equipment to the outdoors. By recirculating indoor air with a cooling fan, surrounding combustible materials remain at safe temperatures. After each burner cycle the SS2

will continue to operate for an adjustable period to purge the heater and vent of residual flue gases. The SS2 features a safety system consisting of a Fan Proving Switch and a High Limit Temperature Control. These devices monitor the SS2 performance and will interrupt the main burner if a vent system malfunction is detected.

Application Table

Verify that the total BTU/hr. input of the heating appliance(s) falls within the proper category listed below. All BTU/hr. capacity ranges are based on a maximum of 50 equivalent feet. To determine equivalent feet, add the total length of straight vent

pipe plus 10 feet for each 90 degree elbow and 5 feet for each 45 degree elbow. Vent runs of over 15 linear feet should use an approved insulated vent connector to prevent problems related to condensation.

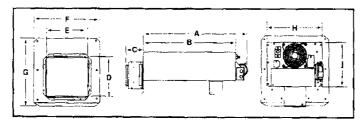
NOTE: BTU inputs less than 105,000 may require use of insulated vent pipe for linear runs exceeding 10 feet.

The SS2 Vent System may only be used on Flame Retention Head Burners.

MODEL	Flame Retention Oil Burner	Fan Assisted Natural & LP Gas	Atmospheric Natural & LP Gas	Max. Equivalent Feet
SS2	70,000-168,000*	Use SS2G	Use SS2G	50
SS2G	Not For Use On Oil Burners	40,000150,000 BTU/hr	40,000125,000 BTU/hr	50

*Maximum capacity based on 13% CO2 and Max. 500°F inlet temperature. Consult factory for details.

Dimensions



Α	В	С	D	E	F	G	Н	1
34-1/4"	28-1/2"	5-1/2"	7-3/4"	8"	12-1/2"	13-1/4"	10-1/2"	8-1/2"

Optional Burner Motor Post Purge Kit (Part No. 950-2043) includes oil solenoid and relay so burner motor blower operates during the SS2 post purge cycle.

You Can Count On Tjernlund Venting Products With Confidence



reputation throughout North America for innovative products and venting solutions. Through four generations of family ownership, your complete satisfaction continues to be our primary focus.

Since 1938, Tjernlund has built a solid

The SS2 is available from:



TJERNLUND PRODUCTS, INC.

1601 Ninth Street White Bear Lake, MN 55110-6794 Phone: 651.426.2993 800.255.4208 Fax: 651.426.9547 Visit our web site: www.tjernlund.com

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Side Wall Venting System for Oil and Gas Reating Egilloment



A breaktimough in reliable performance, ease of installation and care-free maintenance ... at an allocatible price.

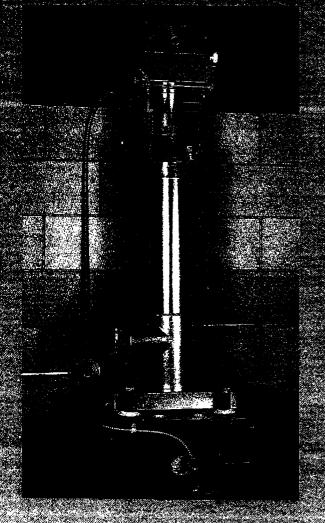
Affordable, trouble-free side was a was a was a

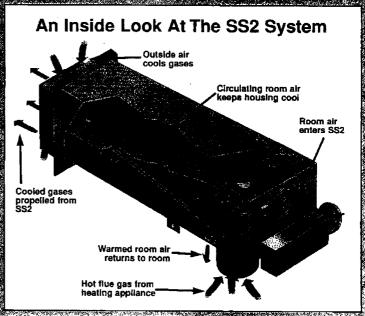
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Eliminates Chimney

Save costly installation or repair of chase an chimin**ey by side wa**ll venting. Also, eliminating haseiindieases living soace.

Easy, One-Person installation

s no pre-installation assembly required. To miniotize Weight during installation, the entire # (nechanical/electrical portion of the SS2-slides thol the nousing, then easily slides back to structed his allation after housing has been installed Witing panel is conveniently located of



Cut opening in extend

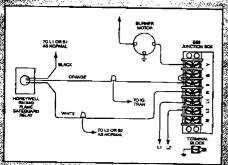


2. Unscrew mechar



3. Install lightweight housing





Zero Clearance

The SS2 may be installed in direct comact with combustible surfaces for increased tlearnings terminate above grade. Requires only an 6:12 10:1/2" opening through the wall

Indoor Draft Adjustment

Precise draft is achieved ev samply-turning knob focated on back of unit.



No Annual Maintenance

"Self-deaning" impeller blades and sealed motor bearings make the SS2 virtually maintenancefree. If service is necessary, all parts are lecessible from indoors.



Specially designed: centrifugal impeller blades have no exposed corners where particulates can build up to cause reduced performance and out-ofbalance condition.

TWO-Way Salety Protection

make side wall ventne safet than

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The S.2 coests touch plats or subject Special visitation absorbing wall-mounting bracket feature operation societo a minimum

GIETOVEK II ALEM

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General Description

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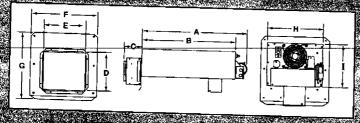
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SS2G	Not For Use On Oil Burners	40,000-150,000 BTU/hr	40,000-125,000 BTU/hr	50



Α	В	С	D	E	F	G	H	
34-1/4"					12-1/2*	13-1/4"	10-1/2"	8-1/2"

Optogal Berger Motor Past Purge Kit (Rart No. 950-20(3) incliges of golehold and relay so ourner motor blower operates during the 582

You Can Count On Tiernlund Venting Products With Confidence



The SS2 is available more

Since 1938. Tierniund has built a solid reputation throughout North America for impossive products and venting solutions. Through four generations of family ownership, your complete satisfaction continues to be our primary laction.



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P/N 8500000 Rev 1 9/98

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