•	Iaine - Building or Use 04101 Tel: (207) 874-870				10-0495	Issue Date	•	387 A	010001
Location of Construction:	Owner Name:	3,1 411.			r Address:			Phone:	
79 LONGVIEW DR DRINKWATE		TER SCO	ER SCOTT B		PO BOX 10932				
Business Name:	Contractor Nan	ne:		Contr	actor Address:			Phone	
Craig Hans		1		49 Dana Court Westbrook			2077569	379	
Lessee/Buyer's Name Phone:				Permit Type: HVAC				Zone:	
D. AT.	D					C . CW	1	CEO District	1100
Past Use:	Proposed Use:	y Home	intall a Bayi	Perm	it Fee: \$110.00	Cost of Wor		CEO District:	
Luna Boil		ly Home - intall a Baxi and a 1000 gallon				-			
	propane tank	sepu	ate permit			Approved Denied	Use Gro	TION: 140: R3 1-2003 1-2003	Type HVA
							IRO	(-2003	
Proposed Project Description		4						MULET	1, 1,
intali a Baxi Luna Bolle	er and a 1000 gallon propane	Lank		Signat	STRIAN ACTIV	ATTIFS DIST	Signatur	allo)	112/10
				Action				Conditions	Denied
			1			а Ар	proveu w/c	Conditions	Denied
	In			Signa				Date:	
Permit Taken By: ldobson	Date Applied For: 05/10/2010				Zoning.	Approva	al		
	ation does not preclude the	Spe	cial Zone or Review	vs	Zoning	g Appeal		Historic Pro	eservation
	neeting applicable State and	☐ SI	☐ Shoreland ☐ Variance				Not in District or Landmark		
 Building permits do not include plumbing, septic or electrical work. 		□w	☐ Wetland ☐ Miscellaneon		neous		Does Not Require Review		
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work		☐ Fl			Conditional Use		Requires Re	eview	
		☐ Su					Approved		
		☐ Si	te Plan		Approved	i		Approved v	v/Conditions
PERMIT	ISSUED	Maj [Minor MM	LE	Denied			☐ Denied	2
		Date:	wyhcon	1	Date:		Da	ate:	
MAY 1	3 2010	-	75/10	10					/
			/ /						
CITY OF P	ORTLAND								
			CERTIFICATIO						
I have been authorized b jurisdiction. In addition	the owner of record of the r y the owner to make this app if a permit for work describ o enter all areas covered by	olication a	as his authorized application is iss	agen	t and I agree to I certify that the	o conform he code of	to all ap ficial's a	plicable laws uthorized rep	s of this presentative
SIGNATURE OF APPLICAN	ντ		ADDRESS			DATE	3	PH	ONE

DATE

PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE



APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

	install the following heating, cooking or power equipment in e of the City of Portland, and the following specifications:
Location / CPL 70	387-A-10
Name and address of owner of appliance Sott Drinker	Use of Building Residents Date 5/10/10
Installer's name and address Craic Hansen, 49 Dan	Telephone 267-756-9379
Location of appliance:	Type of Chimney:
☑ Basement ☐ Floor	☐ Masonry Lined
☐ Attic ☐ Roof	Factory built
Type of Fuel:	☐ Metal
☑ Gas □ Oil □ Solid	Factory Built U.L. Listing #
Appliance Name: Baxi Laga	Direct Vent
U.L. Approved Yes No	Type Concentric UL#
Will appliance be installed in accordance with the manufacture's installation instructions? ✓ Yes No IF NO Explain:	Type of Fuel Tank Oil GasPECEIVED Size of Tank 10 2010 Size of Tank 10 2010 Size of Tank Oil And 10 2010
The Type of License of Installer:	Number of Tanks Of Building Inspections Number of Tanks Of Building Inspections City of Pertland Maine
☐ Master Plumber #	Deb City of Lo
□ Solid Fuel #	Distance from Tank to Center of Flame feet.
□ Oil #	
Gas # PNT 5419	Cost of Work: \$ 8400 ==
Other	Permit Fee: \$
Approved Fire:	Approved with Conditions See attached letter or requirement
Ele.:	•
Bldg.:	Inspector's Signature Date Approved
Signature of Installer A. Hanne	Inspector o signature Date Approved

•	- Building or Use Permit Tel: (207) 874-8703, Fax: (20	7) 874-8716	Permit No: 10-0495	Date Applied For: 05/10/2010	CBL: 387 A010001
Location of Construction:	Owner Name:		Owner Address:	Phone:	
79 LONGVIEW DR	DRINKWATER SCOTT	В	PO BOX 10932		
Business Name: Contractor Name:		Contractor Address:		Phone	
	Craig Hansen	4	19 Dana Court W	(207) 756-9379	
Lessee/Buyer's Name	Phone:	P	ermit Type:		
			HVAC		
Proposed Use:		Proposed	Project Description	:	
Single Family Home - intall a Baxi Luna Boiler			Baxi Luna Boiler	with direct vent	
Dept: Zoning Sta	atus: Approved with Conditions	Reviewer:	Marge Schmuck	al Approval I	Ok to Issue: ✓
	for an additional dwelling unit. Yo is stoves, microwaves, refrigerators				ent including, but
This property shall remain approval.	a single family dwelling. Any char	nge of use sha	II require a separa	te permit application	n for review and
Dept: Building Sta	atus: Approved with Conditions	Reviewer:	Jeanine Bourke	Approval I	Date: 05/12/2010
Note:					Ok to Issue:
1) The LP fuel tank shall be	applied for separately.				
2) The appliance and venting	shall be installed in accordance wi	ith the III listi	ing		

Comments:

5/10/2010-jmb: Left vcmsg for Craig H. For a plot plan, if the tank is above or underground and setbacks

5/11/2010-jmb: Spoke to Craig H., the tank permit will be separate applied for by the fuel company.

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY) or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the City of Portland Inspection Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be

- Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.
- Permits expire in 6 months, if the project is not started or ceases for 6 months.
- If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue with construction.

X Final inspection required at completion of work.

confirmed by this office.

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

CBL: 387 A010001 Building Permit #: 10-0495



Original Receipt

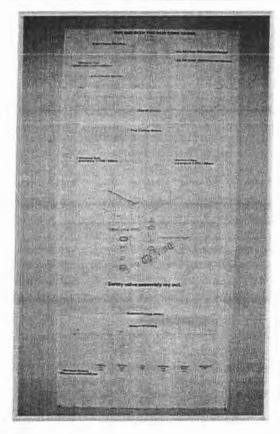
_	5.10 20 10
Received from SC	alt Drink Welle
Location of Work	9 Longview
Cost of Construction \$	Building Fee:
Permit Fee \$	Site Fee:
Cert	ificate of Occupancy Fee:
•	Total:
Building (IL) Plumbing (I5) _	Electrical (I2) Site Plan (U2)
Other	
CBL: 387-A-10	
Check #:	Total Collected \$ 1/0

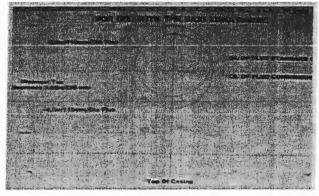
No work is to be started until permit issued. Please keep original receipt for your records.

Taken by:

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

Baxi Luna HT Residential





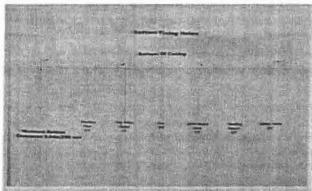


Figure 20

WALL TEMPLATE

Each Baxi Luna boiler comes included with a wall template (Fig. 20). This template is designed to assist the installer with the location of the boiler, vent hole and plumbing system connections.

- 1. Once the location for the boiler is chosen, unfold and hang the template on the wall.
- 2. If rear exit concentric venting is going to be used, mark and drill vent hole about 4-1/2" in diameter. The vent pipe fits through the hole sloping toward the boiler.
- 3. If side exit concentric venting is to be used, continue the horizontal centerline of the flue across the wall to the sidewall, then along the side wall (ensure the lines are horizontal). This will give the position of the center of the hole for the flue.
- 4. Drill pilot holes and insert lag bolts to hang boiler on you can use pieces of 2x4 lumber horizontally along top and bottom of boiler if additional support is required.
- 5. The plumbing system can be roughed-in according to measurements at the bottom of the template.

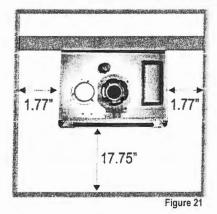
NOTE:

At the bottom of the mounting template, there is an area marked 3/4" Safety Valve — this connection is not needed since the pressure relief valve is assembled as part of the fittings kit and installed as part of the boiler return.

2.2.1 Clearances

Observe the clearances to combustibles shown in Figures 21& 22. Although a zero clearance to combustibles at the top of the boiler is allowed – when using a fire rated material between the boiler and combustible – the clearances shown in Figure 21 must be maintained for servicing purposes.

Baxi Luna HT Residential



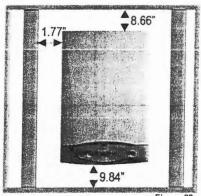


Figure 22

2.3 Venting Options

Baxi Luna HT boilers are direct-vent boilers, as such they do not require any air vents in the room in which it is installed, or when installed in a cupboard or compartment.

As with other Baxi Luna boilers, there are two standard vent options

- COAXIAL explained in section 2.3.1
- SPLIT FLUE explained in section 2.3.2
- Additionally, there are a couple of factors that allow for increased venting options when compared to the Baxi Luna Fi series.

The lower flue temperature in a condensing boiler allows for use of alternate venting materials – see section 2.3.2. The variable speed fan allows for longer vent lengths when using both coaxial vent (section 2.3.1) or split venting (section 2.3.2).

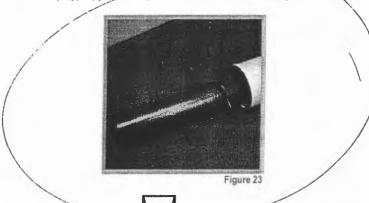
2.3.1 Coaxial Venting

Coaxial vent is the standards venting material for Baxi Luna HT boilers. Coaxial (concentric) venting has a zero inch clearance to combustibles.

COAXIAL VENT (as shown in Fig. 23) consists of

4" outer pipe made of epoxy coated galvanized steel that brings combustion air from the outside

2" inner exhaust duct made of a polypropylene composite that vents combustion gas to the outside



33

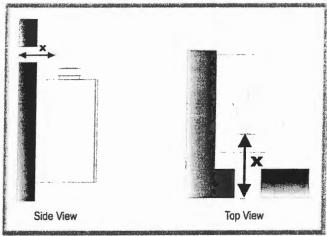
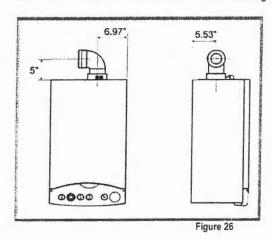


Figure 25

- 3. Taking the air duct, mark dimension 'X' as shown. Add 2 inches to the measured length to account for the pipe that is inserted into the gasketed fitting. On the Luna HT series, the inner vent and outer vent are cut square at the same point, and do not need to be separated before cutting. When cutting, be careful not to crush the outer vent.
- 4. Remove the waste from both ducts. Ensure that the cut ends are square and free from burrs.

IMPORTANT: Check all measurements before cutting

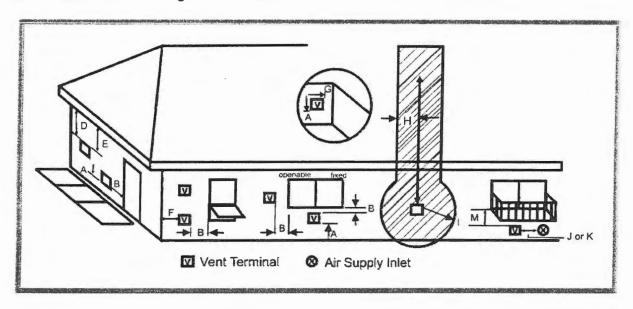


5. Depending on the vent orientation, it may be necessary to pass the vent through the wall, place the elbow on the boiler, than assemble the pipe and the elbow. Unlike the Luna Fi senes, there are no clamps required for HT venting; the gasketed pipe does not need clamps. If longer horizontal runs are used, be sure to adequately support the vent pipe – especially at the joints between pipes.

NOTE:

IT IS EXTREMELY IMPORTANT TO LUBRICATE THE INNER POLYPROPYLENE EXHAUST PIPE AND THE OUTER VENT GASKETS BEFORE ASSEMBLING (as shown in Fig. 28). THIS WILL AID THE ASSEMBLY OF THE VENT COMPONENTS AND HELP PREVENT THE VENT GASKET FROM BINDING AND BECOMING DISTORTED - POSSIBLY RESULTING IN CROSS CONTAMINATION OF FLUE GAS. WHEN LUBRICATING THE GASKET AND VENT, USE A NON RETROLEUM-BASED HEAT-RATED PLUMBERS GREASE A SOLUTION OF SOAP AND WATER WILL ALSO WORK WELL.

2.3.3 External Venting Clearances



L	Exterior Clearances for Residential Installation	
	Location	Minimum Clearance
A	Clearance above Grade, Veranda, Porch Deck or Balcony	12"
В	Clearance to Door or Window that may be Opened	12"
D	Vertical Clearance to ventilated Soffit located above the Termination Fitting - within 24" from the centerline of the Termination Fitting	18"
E	Clearance to Ventilated Soffitt	18"
F	Clearance to Outside Corner	9"
G	Clearance to Inside Corner of Building	6"
Н	Clearance to gas meter (in any direction) including centerline extending vertically	48"
ı	Clearance to Service Regulator Vent Outlet (in any direction)	36"
	Clearance to non-mechanical Air Supply Inlet to building or to the combustion Air Inlet of Any Other Appliance	9"
_	Clearance to a Mechanical Air Supply Inlet	36"
L	Clearance above a Paved sidewalk or paved driveway located on public property	84"
M	Clearance under Veranda, porch, deck or balcony	18"

The Baxi Luna HT venting clearances are based on NFPA vent data. There may be additional LOCAL VENTING RESTRICTIONS that should be verified with the local authority having jurisdiction (AHJ).