

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 09-1175	Issue Date:	CBL: 260 A039001
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Location of Construction: 33 ROWE AVE	Owner Name: W & C LLC	Owner Address: PO BOX 10127	Phone:
Business Name:	Contractor Name: Mark Nicely	Contractor Address: P.O. Box 568 Gorham	Phone 2072812780
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-3

Past Use: Single Family Home	Proposed Use: Single Family Home - install a Peerlies WRV/WV in basement	Permit Fee: \$70.00	Cost of Work: \$4,500.00	CEO District: 3
Proposed Project Description: install a Peerlies WRV/WV in basement		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R3 Type: 5B IRC 2003 STM E Solid Fuel/Oil Bld Signature: Jm 10/27/09	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____		

Permit Taken By: Ldobson	Date Applied For: 10/26/2009	Zoning Approval
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 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..	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied
	Date: <i>10/26/09</i>	Date: _____	Date: _____

PERMIT ISSUED

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE



FILL IN AND SIGN WITH INK

PERMIT ISSUED

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

OCT 26 2009

City of Portland

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 260 A. 39 Use of Building Res Date 10-25-09
 Name and address of owner of appliance Bill Dowd 33 Rozce Ave Port ME
 Installer's name and address Mark N. Carey PO Box 568 Gorham ME, 04038 Telephone 281-2780

Location of appliance:

- Basement Floor
 Attic Roof

Type of Fuel:

- Gas Oil Solid

Appliance Name: Peerless W RV / WV
 U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

The Type of License of Installer:

- Master Plumber # 7646
 Solid Fuel # _____
 Oil # _____
 Gas # 4357
 Other _____

Type of Chimney:

- Masonry Lined
 Factory built _____
 Metal
 Factory Built U.L. Listing # _____
 Direct Vent
 Type Field SW64 U.L.

Type of Fuel Tank

- Oil
 Gas

Size of Tank 275 Gal

Number of Tanks 1

Distance from Tank to Center of Flame 20' feet.

Cost of Work: \$ 4500

Permit Fee: \$ 70

RECEIVED
 OCT 26 2009
 Dept. of Building Inspections
 City of Portland Maine

Approved

Approved with Conditions

Fire: _____
 Ele.: _____
 Bldg.: _____

- See attached letter or requirement

Signature of Installer [Signature] Inspector's Signature _____ Date Approved _____

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy

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Business Name:	Contractor Name: Mark Nicely	Contractor Address: P.O. Box 568 Gorham	Phone (207) 281-2780
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Single Family Home - install a Peerlies WRV/WV in basement	Proposed Project Description: install a Peerlies WRV/WV in basement
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Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 10/26/2009

Note: **Ok to Issue:**

- 1) Separate permits shall be required for future decks, sheds, pools, and/or garages.
- 2) This is NOT an approval for an additional dwelling unit. You SHALL NOT add any additional kitchen equipment including, but not limited to items such as stoves, microwaves, refrigerators, or kitchen sinks, etc. Without special approvals.
- 3) This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval.
- 4) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tom Markley **Approval Date:** 10/27/2009

Note: **Ok to Issue:**

- 1) The appliance and venting shall be installed in accordance with the UL listing, IMC 2003 and NFPA 211.
- 2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.
- 3) Installation shall comply with 2003 International Mechanical Code and State of Maine Oil and Solid Fuel Board Laws and Rules

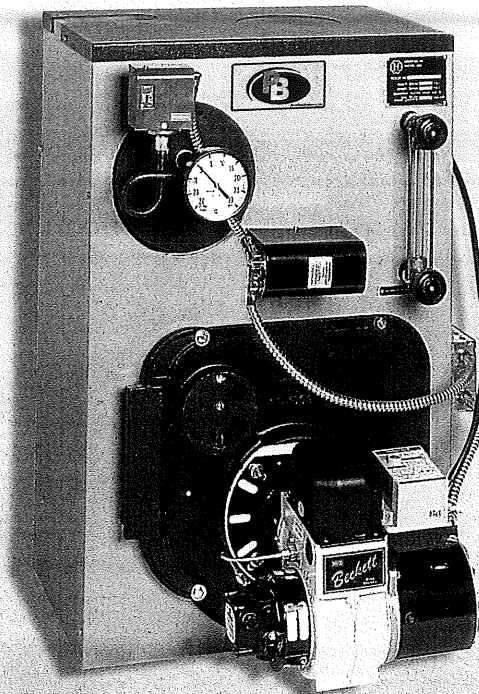
PERMIT ISSUED

OCT 26 2009

City of Portland

Series WBV/WW

Oil Boilers



As an ENERGY STAR® Partner, PB Heat, LLC has determined that certain firing rates of this product meet the ENERGY STAR® guidelines for energy efficiency.

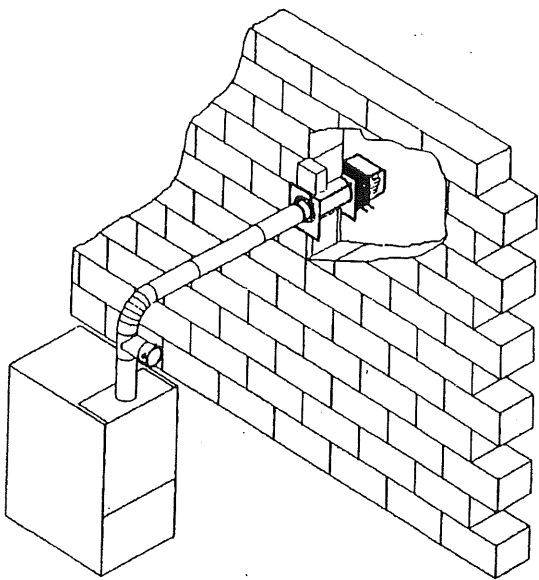
Installation, Operation & Maintenance Manual



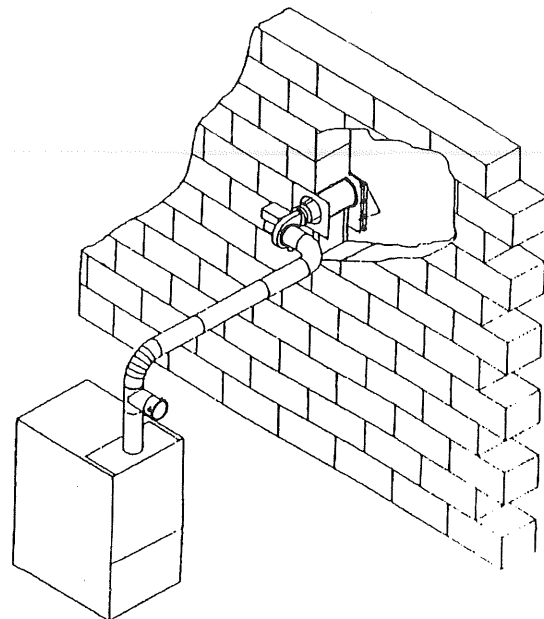
PeerlessBoilers.com

POWER VENTING SERVICE GUIDE

(For Oil Fired Applications Only)



SWG SERIES VENTERS



PVAE SERIES VENTERS



THE FIELD CONTROLS COMPANY

2308 AIRPORT ROAD KINSTON, NC 28501 TECHNICAL SUPPORT (800) 742-8368

IV. SYSTEM SETUP AND TESTING

Figure 1 shows a typical oil fired appliance and the expected ranges of several readings taken at various locations in the system. Note: If a vent pipe reducer is required, use a smooth walled gradual reducer. Place it at the venter inlet as shown in Figure 1.

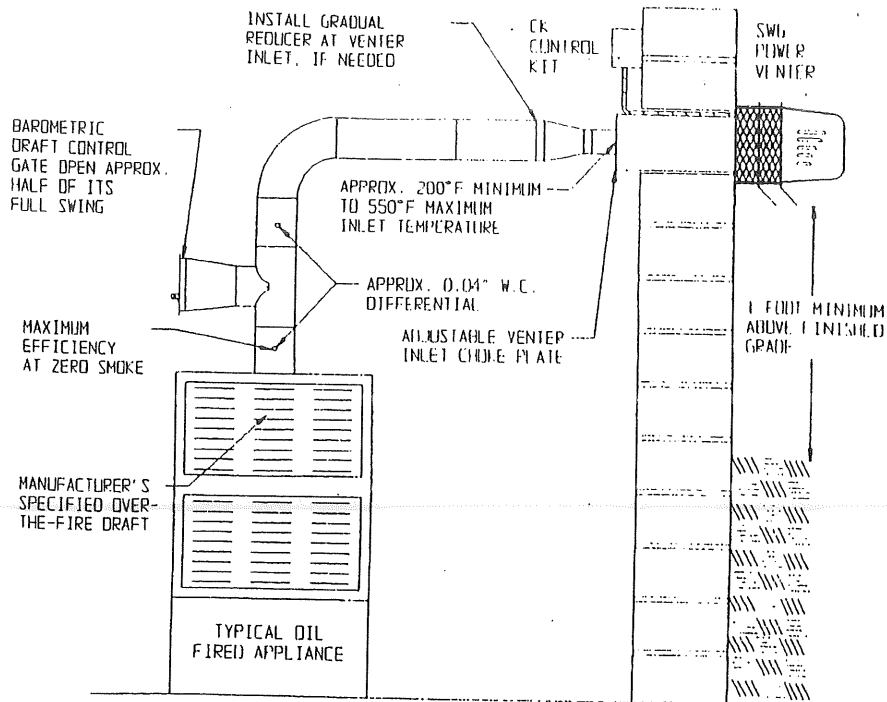


Figure 1

1. Set the choke plate in the power venter, or extension kit, to its full open position. Set the draft control adjustment weight to its midpoint position.
2. Adjust the thermostat so that the unit will run continuously. Allow the unit to operate for 5 to 10 minutes to ensure stack temperature stabilization.
3. Find out the manufacturer's recommended over-fire or breeching draft. Close the choke plate on the SWG until the draft above the draft control reads approximately 0.04" w.c. greater than the recommended breeching draft. Example: If the appliance manufacturer recommends a 0.02" breech draft, adjust the choke plate to get an approximate 0.06" draft above the draft control.
4. Adjust the barometric draft control to obtain the manufacturer's recommended draft over-fire or at the breech. The draft control gate should be open approximately half its full swing during normal operation. This allows the gate to swing open or closed depending on changes in atmospheric pressure or operating conditions.
5. If the proper draft can not be obtained at the breech or if the gate does not open as described, then adjust the choke plate in the SWG to reduce or increase the airflow. Re-adjust the draft control to obtain the required draft since moving the choke plate will change the system draft.
6. Once proper draft is achieved, measure CO₂ and smoke level. If necessary, adjust the intake airflow at the burner to obtain the highest possible CO₂ reading with a zero smoke reading. As the intake airflow is increased or decreased, the draft may change. **Repeat steps 3 through 6 to re-adjust the draft control and choke plate before attempting any other adjustments.**
7. Measure combustion efficiency and exhaust gas temperature at the venter inlet. Combustion efficiency should be adjusted to maximum attainable at zero smoke. Exhaust gas temperature at the venter inlet should range between 200° F and 550° F.
8. If maximum efficiency and zero smoke yields a temperature below 200° F at the inlet to the venter, the following suggestions must be considered.
 - A. Use a larger oil nozzle or higher oil pump pressure to raise the firing rate of the burner. Repeat steps 3 through 7 until all combustion parameters are within the specified ranges.
 - B. Reduce the length of the duct from the appliance to the venter which will increase the venter inlet temperature.
 - C. Insulate the vent pipe to minimize heat loss.
 - D. Seal the vent pipe joints to reduce uncontrolled dilution air.