

**City of Portland, Maine - Building or Use Permit Application**

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

Permit No: 10 1416	Issue Date:	CBL: 188 A004001
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Location of Construction: 11 STEVENS AVE	Owner Name: GAERTNER MARGARET E	Owner Address: 11 STEVENS AVE	Phone:
Business Name:	Contractor Name: Charlie Burnham Heating	Contractor Address: PO Box 382 Freeport	Phone: 2078659010
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-3/R-7

Proposed Use: Single Family Home	Proposed Use: Single Family Home - install a Triangle Tube Prestige Boiler in basement	Permit Fee: \$120.00	Cost of Work: \$9,975.00	CEO District: 3
		FIRE DEPT: N/A	INSPECTION: Use Group: Type: 5B M3MC Gas Low	

Proposed Project Description:  
install a Triangle Tube Prestige Boiler in basement

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action:  Approved  Approved w/Conditions  Denied

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit Taken By: Idobson	Date Applied For: 11/12/2010	<b>Zoning Approval</b>
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<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p>	<p><b>Special Zone w/ Review</b></p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Major <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>JK Date: 11/15/10 Agn</p>	<p><b>Zoning Appeal</b></p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>	<p><b>Historic Preservation</b></p> <p><input checked="" type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>
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**PERMIT ISSUED**

NOV 19

City of Portland

**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
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**City of Portland, Maine - Building or Use Permit**

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

Permit No: 10-1416	Date Applied For: 11/12/2010	CBL: 188 A004001
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Location of Construction: 11 STEVENS AVE	Owner Name: GAERTNER MARGARET E	Owner Address: 11 STEVENS AVE	Phone:
Business Name:	Contractor Name: Charlie Burnham Heating	Contractor Address: PO Box 382 Freeport	Phone: (207) 865-9010
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Single Family Home - install a Triangle Tube Prestige Boiler in basement	Proposed Project Description: install a Triangle Tube Prestige Boiler in basement
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Dept: Zoning	Status: Approved	Reviewer: Ann Machado	Approval Date: 11/15/2010
Note:			Ok to Issue: <input checked="" type="checkbox"/>

Dept: Building	Status: Approved with Conditions	Reviewer: Jonathan Ricoux	Approval Date: 11/19/2010
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) The installation must comply with the State of Maine Gas Regulations. 2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.			

PERMIT ISSUED

NOV 19 2010

City of Portland



FILL IN AND SIGN WITH INK

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT ISSUED  
NOV 19 2010

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

City of Portland

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 11 Stevens Ave 188A4 Use of Building Residential Date 11-12-10  
Name and address of owner of appliance Margaret Gaertner

Installer's name and address Charlie Burdham Heating Service Inc. P.O. Box 382  
Freeport, ME, 04032 Telephone 865-9910

**Location of appliance:**  
 Basement       Floor  
 Attic             Roof

**Type of Fuel:**  
 Gas       Oil       Solid

Appliance Name: Triangle Tube - Brushless  
 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 # \_\_\_\_\_  
 Solid Fuel # \_\_\_\_\_  
 Oil # \_\_\_\_\_  
 Gas # PNT6050  
 Other \_\_\_\_\_

**Type of Chimney:**  
 Masonry Lined  
 Factory built \_\_\_\_\_  
 Metal  
 Factory Built U.L. Listing # \_\_\_\_\_  
 Direct Vent  
 Type IN-LINE U.L. # YES

**Type of Fuel Tank** **RECEIVED**  
 Oil  
 Gas      NOV 12 2010

Size of Tank \_\_\_\_\_ Dept. of Building Inspections  
 City of Portland Maine

Number of Tanks \_\_\_\_\_

Distance from Tank to Center of Flame \_\_\_\_\_ feet.

Cost of Work: \$ 9975  
 Permit Fee: \$ 120

Approved

Approved with Conditions

Fire: \_\_\_\_\_  
Elec.: \_\_\_\_\_  
Bldg.: \_\_\_\_\_

See attached letter or requirement

Inspector's Signature \_\_\_\_\_ Date Approved \_\_\_\_\_

Signature of Installer [Signature]

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



**CITY OF PORTLAND, MAINE**  
Department of Building Inspections

**Original Receipt**

11.12.10

Received from

Department of Public

Charles Bunkhouse  
17 Stevens

Cost of Construction \$ \_\_\_\_\_ Building Fee: \_\_\_\_\_

Permit Fee \$ \_\_\_\_\_ Site Fee: \_\_\_\_\_

Certificate of Occupancy Fee: \_\_\_\_\_

Total: 120

Building (B) \_\_\_\_\_ Plumbing (15) \_\_\_\_\_ Electrical (12) \_\_\_\_\_ Site Plan (12) \_\_\_\_\_

Other HSA

CAL \_\_\_\_\_

Check #: 8061 Total Collected \$ 120

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

Taken by: [Signature]

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



**Triangle Tube**

*Hot Water Specialists*

# prestige

**Solo 60  
Solo 175  
Solo 250  
Solo 399  
Water Boiler**



## \* INSTALLATION AND MAINTENANCE \* M A N U A L

### NOTICE

Warranty Registration Card must be filled out by the customer and mailed within thirty (30) days of installation in order to gain warranty coverage.

When receiving the PRESTIGE Solo unit, any claims for damage or shortage in shipment must be filed immediately against the transportation company by the consignee.

Leave all documentation received with appliance with owner for future reference.

### WARNING

**If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.**

#### FOR YOUR SAFETY

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
  - Do not try to light any appliance
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

## Pre-Installation Items



- Reference the appropriate vent supplement for clearance requirements.

### BEST PRACTICES

To provide serviceability to the unit it is recommended that the following clearances be maintained:

Top boiler jacket - 24 inches [610 mm].

Front - 24 inches [610 mm].

Bottom boiler piping - 24 inches [610 mm].

Rear - 0 inches

Sides - 6 inches [153 mm]

### WARNING

If the clearances listed above cannot be maintained, the space must be ventilated. See page 6 for ventilation requirements.

### NOTICE

When maintaining zero clearance or less than recommended clearances, some product labeling may become hidden and unreadable.

### WARNING

When installing the PRESTIGE Solo in a confined space, sufficient air must be provided for proper combustion and venting and to allow, under normal operating conditions, proper air flow around the product to maintain ambient temperatures within safe limits to comply with the National Fuel Gas Code NFPA 54 - latest edition.

## Residential Garage Installations

When installing the PRESTIGE Solo in a residential garage, the following special precautions per NFPA 54/ANSI Z223.1 must be taken:

- Mount the unit a minimum 18 inches [458 mm] above the floor level of the garage. Ensure the burner and ignition devices / controls are no less than 18 inches [458 mm] above the floor level.
- Locate or protect the unit in a manner so it cannot be damaged by a moving vehicle.

## Boiler Freeze Protection Feature

The boiler control has a freeze protection feature built in. This feature monitors the boiler temperature and responds as follows when no call for heat is present:

- 46°F Boiler circulator is ON
- 38°F Boiler circulator is ON and burner operates at low fire
- 50°F Burner OFF and boiler circulator operates for approximately 10 minutes

### CAUTION

The boiler freeze protection feature is disabled during a hard lockout, however the CH circulator will operate.

### CAUTION

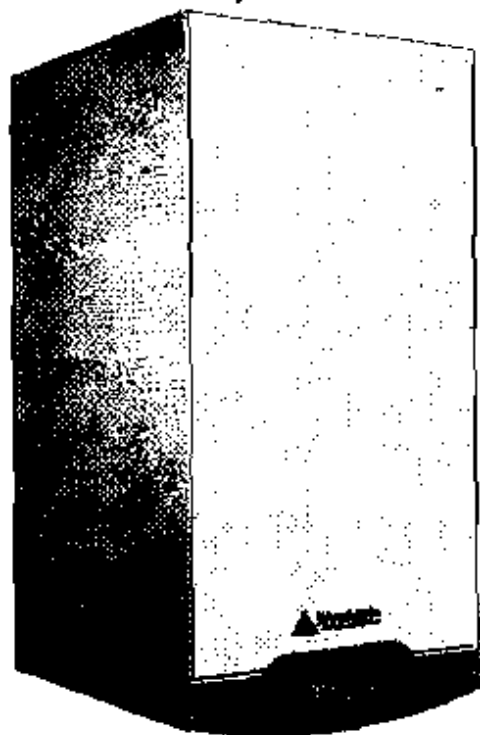
The boiler freeze protection feature is designed to protect the boiler. The boiler should be installed in a primary/secondary piping arrangement if it is installed in an unheated space or exposed to water temperatures of 46°F or less. See Section IV for primary/secondary piping examples. See Section IX for antifreeze guides.



# prestige

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## PVC & CPVC Vent Supplement



### WARNING

This document is intended to be used by a qualified heating contractor or service technician. Read all instructions within this document and within the PRESTIGE Boiler Installation and Maintenance Manual, before proceeding with the installation. It is recommended to follow the procedures in the steps given, skipping or missing procedural steps could result in severe personal injury, death or substantial property damage.

### NOTICE

Installation of this boiler must comply with local requirements and codes and with the National Fuel Gas Code NFPA 54, ANSI Z223.1 for installations within the U.S. For installations in Canada the installation must comply with CSA B149.1 or B149.2



Fig. 26: Category IV - Sidewall Termination of Vent Pipe with Coupling Termination

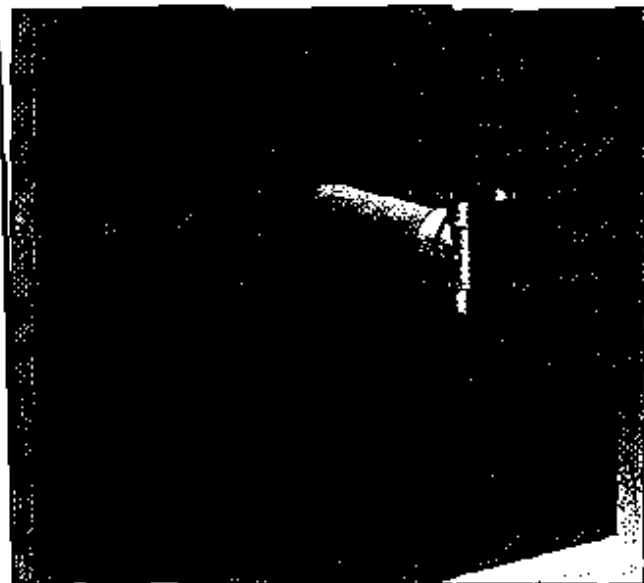


Fig. 27: Category IV - Sidewall Termination of Vent Pipe with Tee Termination



Fig. 28: Category IV - Sidewall Termination of Vent Pipe with 45° Termination

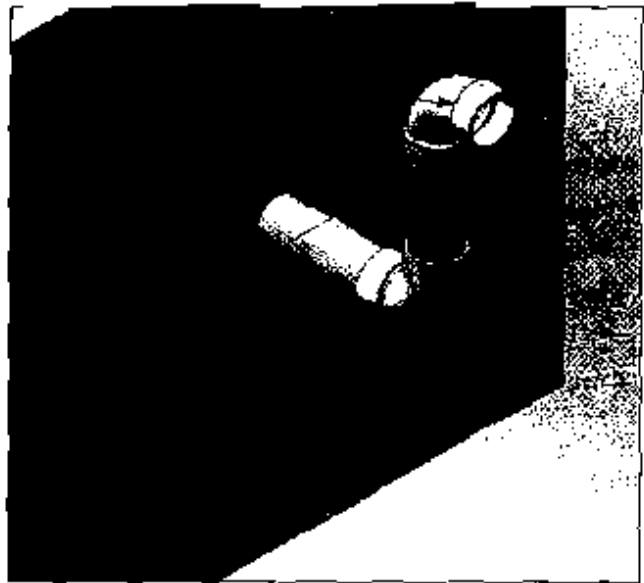


Fig. 29: Category IV - Sidewall Snorkel Termination of Vent Pipe with 90° Elbow Termination