

City of Portland, Maine - Building or Use Permit Application
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 13-1275	Issue Date:	CDL#: 013 D011001
-----------------------	-------------	----------------------

Location of Construction: 14 Cleeve St	Owner Name: Yu Alice Gao	Owner Address: 14 Cleeve St	Phone: 607-329-4471
Business Name:	Contractor Name: New Concept Heating & Plumbing L	Contractor Address: PO Box 175 Yarmouth	Phone: 2078473162
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: R-6

Part Use: Multi Units - 3 family	Proposed Use: Multi Units - 3 families Install Triangle Tube Prestige gas boiler on the floor.	Permit Fee: \$170.00	Cost of Work: \$11,000.00	CEO District: 1
<p><i>Legal use - 3 residential D.U.</i></p> <p>Proposed Project Description: Install Triangle Tube Prestige gas boiler on the floor.</p>		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R-2 Type: HVAC	
		<p><i>See conditions</i></p> <p>Signature: <i>[Signature]</i> Date: <i>10/21/10</i></p>		
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: 85	Date Applied For: 10/08/2010	Zoning Approval		
<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>Special Zone or Reviews</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/Minor <input type="checkbox"/></p> <p>Date: <i>[Signature]</i></p>	<p>Zoning Appeal</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 checked="" type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>	<p>Historic Preservation</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: <i>MES</i></p>	
	<p>PERMIT ISSUED</p> <p>OCT 19 2010</p> <p>City of Portland</p>			

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

City of Portland, Maine - Building or Use Permit

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

Permit No: 10-1275	Date Applied For: 10/06/2010	CBL: 013 D011001
-----------------------	---------------------------------	---------------------

Location of Construction: 14 Cleeve St	Owner Name: Yu Alice Gao	Owner Address: 14 Cleeve St	Phone: 607-329-4471
Business Name:	Contractor Name: New Concept Heating & Plumbing L	Contractor Address: PO Box 175 Yarmouth	Phone: (207) 847-3162
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	

Proposed Use: Multi Units - 3 families/ Install Triangle Tube Prestige gas boiler on the floor.	Proposed Project Description: Install Triangle Tube Prestige gas boiler on the floor.
--	--

Dept: Zoning	Status: Approved with Conditions	Reviewer: Marge Schmuckal	Approval Date: 10/14/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
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 three 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: Jeanine Bourke	Approval Date: 10/21/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) The appliance and venting shall be installed in accordance with the UL listing and IMC 2003. 2) The installation must comply with the State of Maine Gas Regulations.			

Dept: Fire	Status: Approved with Conditions	Reviewer: Capt Keith Gautreau	Approval Date: 10/19/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) Install shall comply with all manufacturer's specifications. 2) Install shall comply with NFPA 54. A compliance letter is required			

Comments:	
10/19/2010-jmb	Alice G. Informed this will be installed in the basement. not the 3rd floor
10/20/2010-jmb	Routed to Gayle for owner name change.
10/21/2010-jmb	Received back, ok to issue

PERMIT ISSUED

OCT 19 2010



Fill in and Sign with Ink

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT ISSUED

OCT 19 2010

3 Family Oil 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 14-16 Cleave Street, Portland Use of Building Residential Date Oct. 8, 2010
 Name and address of owner of appliance Yu Alice GAO
PO Box 7440, ~~16 S Cleave Street~~, Portland, ME 04112 Phone ~~607-447-1329~~ 607-447-1329
 Installer's name and address Andre Marquette, New Concept Heating and Plumbing, LLC
P.O. Box 175, Yarmouth, Vermont Telephone 207-847-3162

Location of appliance:
 Basement
 ^{3rd} Floor 10/19 changed to basement JMB
 Attic
 Roof

Type of Fuel:
 Gas
 Oil
 Solid

Appliance Name: Prestige, gas Model #175
 U.L. Approved Yes No by Triangle Tube

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

If NO Explain: _____

The Type of License of Installer:
 Master Plumber # _____
 Solid Fuel # _____
 Oil # MS10007996
 Gas # PNT4338
 Other _____

Type of Chimney: **RECEIVED**
 Masonry Lined
 Factory built OCT - 8 2010
 Metal
 Factory Built U.L. Listing Dept. of Building Inspections City of Portland Maine

Direct Vent
 Type PVC U.L.# _____

Type of Fuel Tank NO tank
 Oil
 Gas line supplied by unitil

Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Floor N/A feet

Cost of Work: \$ 11,000

Permit Fee: \$ 130.00

Approved

Approved with Conditions

Fire: _____
 Ele.: _____
 Bldg.: _____

See attached letter or requirement

Inspector's Signature _____ Date Approved _____

Signature of Installer Andre Marquette



FILL IN AND SIGN WITH INK

PERMIT ISSUED

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

OCT 19 2010

3 Family 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: 14-16 Cleave Street, Portland Use of Building: Residential Date: Oct 8, 2010
 Name and address of owner of appliance: Yu Alice Gao
P.O. Box 7490 ~~1000~~ Portland, ME 04113 Phone: 607-447-4471
 Installer's name and address: Andre Marquette, New Concept Heating and Plumbing, LLC
P.O. Box 175, Yarmouth, ME Telephone: 207-847-3162

Location of appliance:
 Basement
 2nd Floor 10/A changed to basement JMB
 Attic
 Roof

Type of Fuel:
 Gas
 Oil
 Solid
 Appliance Name: Prestige gas Model #175
 U.L. Approved Yes No by Triangle Tube

Will appliance be installed in accordance with the manufacturer's installation instructions? Yes No
 IF NO Explain:

The Type of License of Installer:
 Master Plumber #
 Solid Fuel #
 Oil # MS10007996
 Gas # PNT 4338
 Other

Type of Chimney:
 Masonry Liner
 Factory built #
 Metal
 Factory Built U.L. Listing #
 Direct Vent
 Type PVC U.L. #

Type of Fuel Tank NO tank
 Oil
 Gas line supplied by Unitil

Size of Tank N/A
 Number of Tanks N/A
 Distance from Tank to Center of Flame N/A feet
 Cost of Work: \$ 11,000
 Permit Fee: \$ 30.00

Approved

Approved with Conditions

Fire: _____
 Ele.: _____
 Bldg.: _____

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer Andre Marquette

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



CITY OF PORTLAND, MAINE
 Department of Building Inspections

Original Receipt

000 8 2010

Received from

Justice Shoo

1000 26.

Cost of Construction

\$

Building Fee:

Permit Fee

\$

Site Fee:

Certificate of Occupancy Fee:

Total:

130.00

Building (R.)

Painting (S)

Electrical (Z)

Site Plan (W)

Owner

KUAC

DOB

013 D011

Check #: 1387

Total Collected \$ 130.00

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

Taken by:

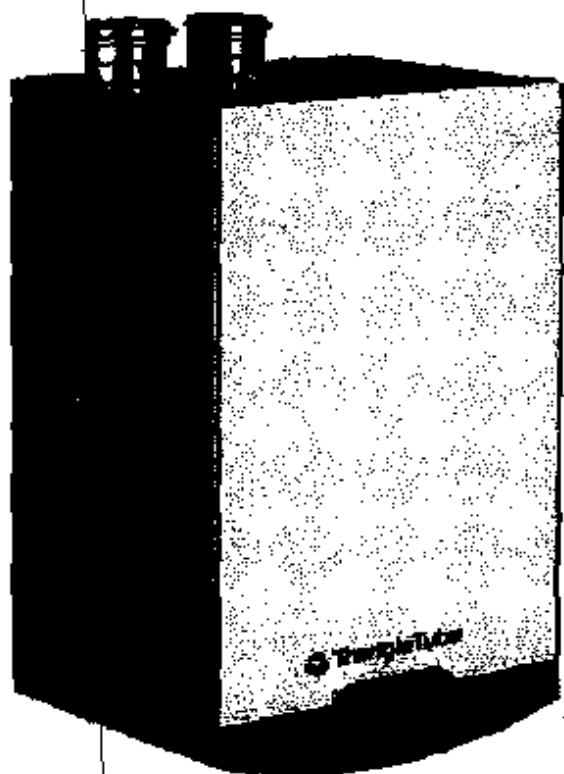
[Signature]

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

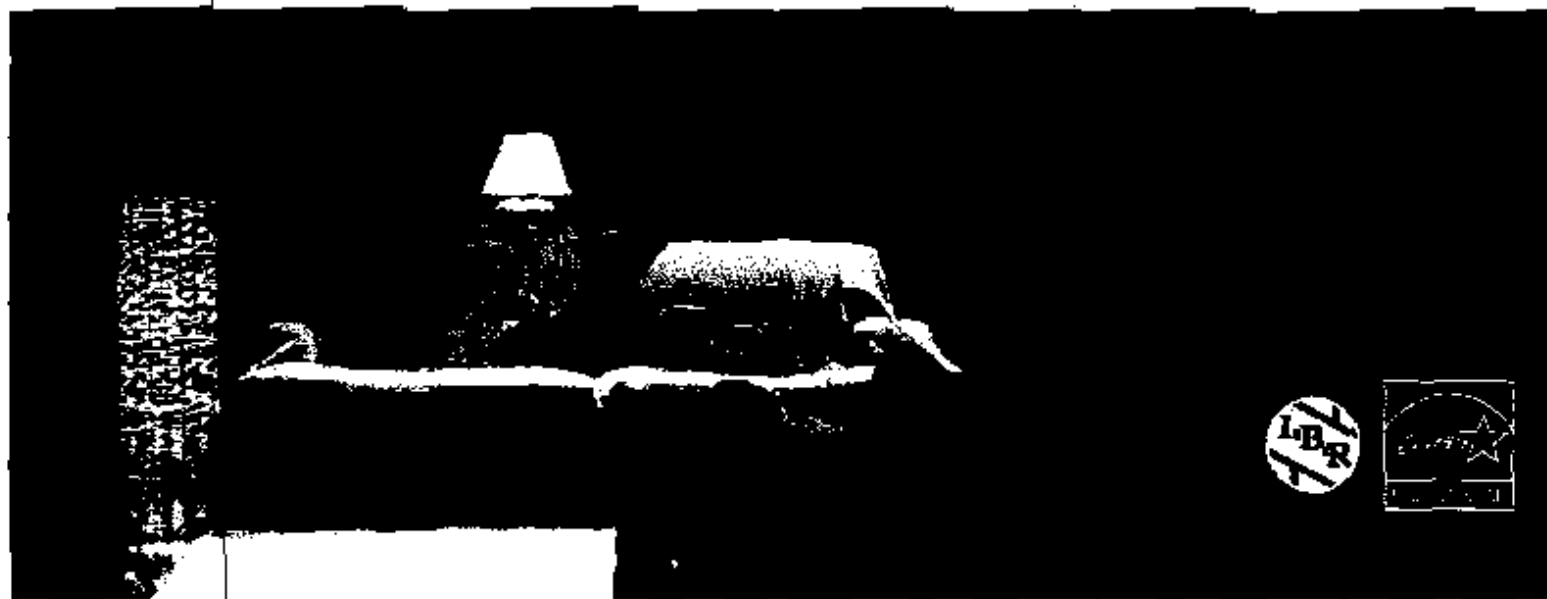
 TriangleTube

PRESTIGE

CONDENSING HIGH
EFFICIENCY STAINLESS
STEEL WALL MOUNTED
GAS BOILER



- 95% AFUE - Energy Star Listed
- Fully Modulating
- Digital Display
- Direct Vent / Sealed Combustion
- Minimal Space Requirements
- Natural Gas or Propane
- Low Nox - SCAGM Certified
- Higher Water Volume than Competitive Units
- Low Pressure Drop
- Quiet Operation

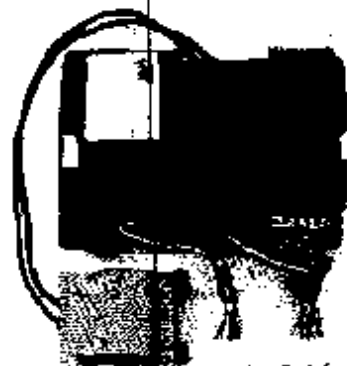




Comfortable
heat

prestige

MCBA Control



The Prestige uses a microprocessor electronic control module that automatically adjusts blower speed and gas flow rate to modulate boiler firing rate to closely match boiler output to space heating or DHW heating demand. The module responds to signals from the room thermostat, supply and return water temperature sensors, flue temperature sensor, domestic hot water aquastat and outdoor temperature sensor.

- Digital display module
- Ignition control
- Operating control
- High temperature limit protection
- Modulating temperature control
- Low water protection
- Outdoor reset
- Domestic hot water priority
- Two pump controls (Heating and DHW)
- Boiler freeze protection

Stainless Steel Premix Burner Assembly

High grade stainless steel burner uses pre-mixed air and gas providing a 25% to 100% modulating firing rate. The Prestige burner features a long life, quiet operation, reliable spark ignition, and clean combustion for low NO_x applications.

The blower, gas valve and venturi provide the proper gas and air mixture for precise combustion. The blower pulls in air and gas through the venturi. The air and gas mix inside the blower and are pushed into the burner for combustion. The gas valve senses suction from the blower and allows gas to flow only if combustion air is flowing.



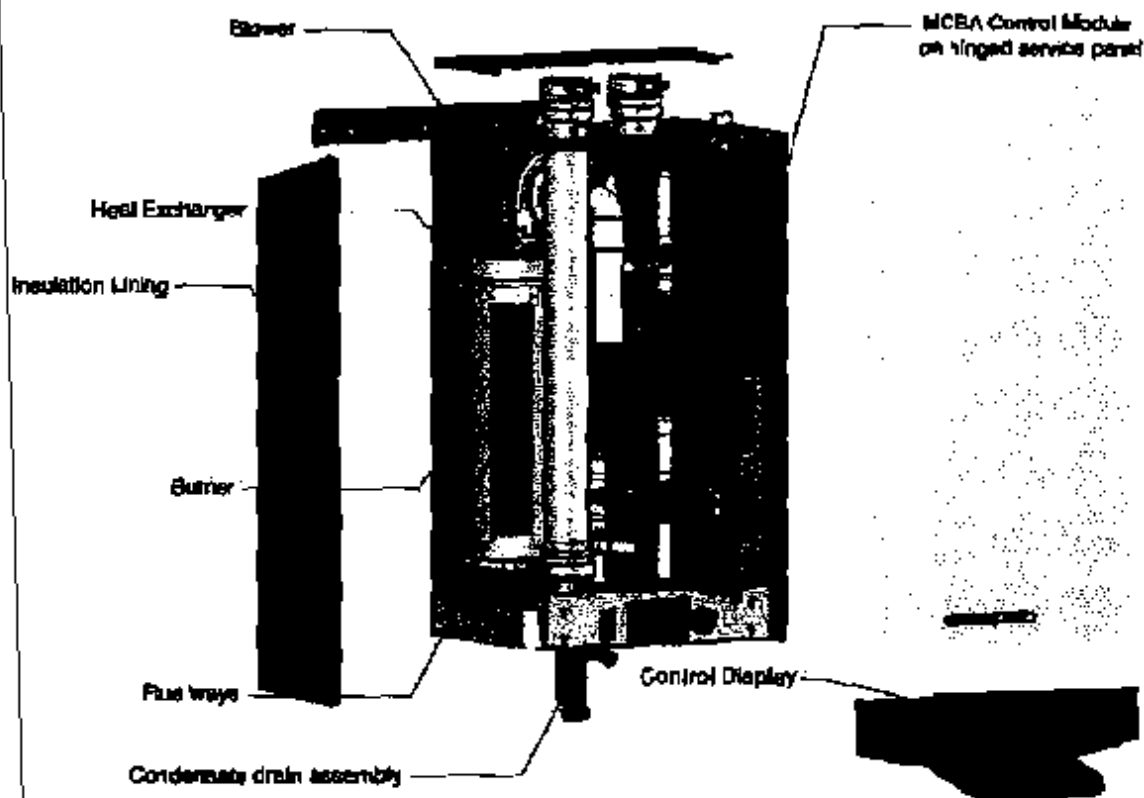
Control Panel with Digital Display



A 4-digit user's Interface Module is provided to display system operating status and fully adjustable parameter values as well as diagnostic codes for easy troubleshooting and optimum system performance.

prestige

Prestige Solo 110 Exploded View



The components of the Prestige are easily accessible for serviceability.
The Solo 60, 175, 250 & 399 are shipped less the circulator.

Stainless Steel Heat Exchanger

A unique, highly efficient heat exchanger is at the heart of the Prestige.

- Unique geometry: 3 consecutive baffles direct water flow through the exchanger and around the combustion chamber for uniform heat transfer.
- Highest water content in the industry
 - Stable temperature control
 - Less sensitive to water flow
- 439 Grade Stainless Steel. Unparalleled resistance to corrosion
- Less sensitive to sludge
- Self cleaning: condensate washes combustion residue away when streaming down the tubes resulting in a constant efficiency and reduced maintenance.
- Low pressure drop



prestige

Performance Specifications

Model	Fuel	Inp. It Mod. Rating MBH	AFUE	GCE Heating Capacity MBH	NET I=B-T MBH	Water Volume Gal.
Solo 90	Natural or Propane	16 to 60	95%	54	47	2.9
Solo 110	Natural Gas	30 to 110	95%	99	85	2.5
Solo 110 LP	Propane Gas	25 to 97	95%	87	76	2.5
* Solo 175	Natural or Propane	50 to 175	95%	154	134	4.8
Solo 250	Natural or Propane	85 to 245	95%	225	194	6.1
Solo 399	Natural or Propane	112 to 399	95.1 %*	372	330	7



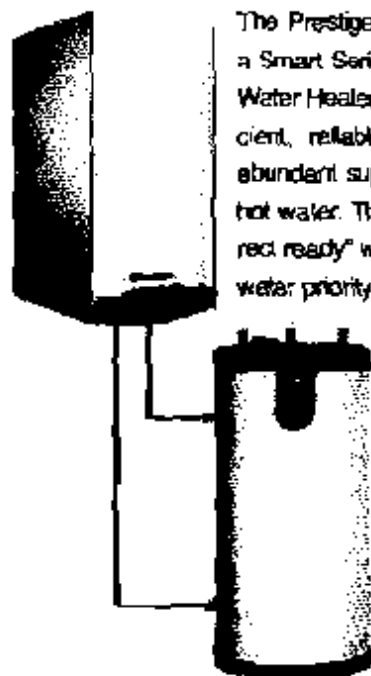
Connections / Dimensions / Data

*Thermal Efficiency

Model	Supply / Return Connections	Gas Connection	Vent Air Blower	Dimensions D x W x H	Weight Lbs
Solo 90	1"	1/2"	3"	18" x 20" x 35 1/2"	95
Solo 110	1"	1/2"	3"	18" x 20" x 35 1/2"	106
* Solo 175	1 1/4"	3/4"	3"	18" x 20" x 35 1/2"	131
Solo 250	1 1/4"	3/4"	3"	18" x 20" x 35 1/2"	142
Solo 399	1 1/2"	1"	4"	20 3/4" x 24 3/4" x 37 1/2"	200

Standard Features

- Factory tested
- Limited 10 year warranty
- Stainless steel heat exchanger
- Outdoor temperature sensor
- Stainless steel burner
- Negative pressure regulated gas valve
- 30 psi pressure relief valve
- Flanged Grundfos 3-speed UP15-68 system circulator (110 only)
- Automatic air vent
- Pressure gauge
- Condensate drain assembly
- 24 V terminal strip with removable jumpers for manual reset or automatic reset of external controls
- NTC temperature sensors on the boiler supply/return and flue
- 120V Power switch



The Prestige, combined with a Smart Series Indirect Fired Water Heater, will provide efficient, reliable heat and an abundant supply of domestic hot water. The boiler is "indirect ready" with domestic hot water priority control.

Optional Equipment

- Floor Stand - Wall Kit (399) - Condensate Neutralizer Kit
- Concentric Vent Kit - Direct Vent Sidewall Kit
- 5 and 10 Year Parts and Labor Plans

Triangle Tube reserves the right to make product changes or improvements at any time without notice.



TriangleTube

Freeway Center - 1 Triangle Lane Blackwood, NJ 08012

Tel: (856) 228 8861 - Fax: (856) 228 3584

E-mail: Info@triangletube.com - <http://www.triangletube.com>

Member of



Group