

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 09-1373	Issue Date:	CBL: 012 B001001
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Location of Construction: 42 HAMMOND ST	Owner Name: CHABERT SANDRINE G & JASO	Owner Address: 41 PITT ST	Phone:
Business Name:	Contractor Name: Revision Energy LLC	Contractor Address: 142 Presumpscot street Portland	Phone: 2073231805
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-2

Past Use: Single Family Home	Proposed Use: Single Family Home - install a Direct Vent Triangle Tube Solo 60 Boiler	Permit Fee: \$60.00	Cost of Work: \$3,500.00	CEO District: 1
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R3 Type: HVAC IRC 2003 ST ME GAS REGS	

Proposed Project Description: install a Direct Vent Triangle Tube Solo 60 Boiler	Signature:	Signature: <i>Jan 12/7/09</i>
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: 12/02/2009	Zoning Approval
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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 style="font-size: 2em; font-weight: bold; text-align: center;">PERMIT ISSUED</p> <p style="font-size: 1.5em; text-align: center;">- 9 2009</p>	<p>Special Zone or Reviews</p> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <input type="checkbox"/> Maj <input type="checkbox"/> Minor <input type="checkbox"/> MMD	<p>Zoning Appeal</p> <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	<p>Historic Preservation</p> <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>oik 12/2/09</i>	Date:	Date:

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
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

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Permit No: 09-1373	Date Applied For: 12/02/2009	CBL: 012 B001001
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Location of Construction: 42 HAMMOND ST	Owner Name: CHABERT SANDRINE G & JASO	Owner Address: 41 PITT ST	Phone:
Business Name:	Contractor Name: Revision Energy LLC	Contractor Address: 142 Presumpscot street Portland	Phone (207) 323-1805
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Single Family Home - install a Direct Vent Triangle Tube Solo 60 Boiler	Proposed Project Description: install a Direct Vent Triangle Tube Solo 60 Boiler
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Dept: Zoning	Status: Approved	Reviewer: Marge Schmuckal	Approval Date: 12/02/2009	Ok to Issue: <input checked="" type="checkbox"/>
Note:				
Dept: Building	Status: Approved with Conditions	Reviewer: Tom Markley	Approval Date: 12/07/2009	Ok to Issue: <input checked="" type="checkbox"/>
Note:				
1) This appliance/stove shall be installed, operated and maintained per the manufacturers specifications and the UL listing				
2) The installation must comply with the State of Maine Gas Regulations.				
3) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.				



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT ISSUED
DEC - 9 - 09

W/P/u - 332-9534
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 012-B-001 Use of Building SINGLE FAMILY RES. Date 12/2/09
Name and address of owner of appliance Jason Wentworth 42 Hammond Street
Portland, 04101
Installer's name and address Pat Con, Revision Heat 42 Presumpscot Street Portland
Telephone 323-1805

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Triangle Tube Solo 60 Boiler
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 # PNT 1785
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____
- Metal
Factory Built U.L. Listing # _____

Direct Vent
Type 3" PVC through side wall U.L.# _____

RECEIVED

Type of Fuel Tank

- Oil
- Gas

DEC 2 2009

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: \$ 3,500

Permit Fee: \$ 60

Approved

Fire: _____
Ele.: _____
Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Signature of Installer Pat Con _____

Inspector's Signature _____

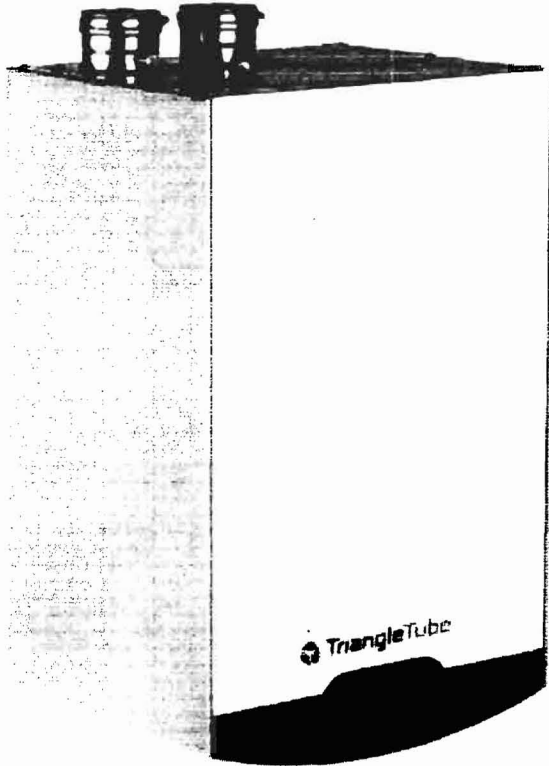
Date Approved _____

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

Spec sheet



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 - SCAQM Certified
- ✦ Higher Water Volume than Competitive Units
- ✦ Low Pressure Drop
- ✦ Quiet Operation



Comfortable Space Heating at the Lowest Possible Operating Cost



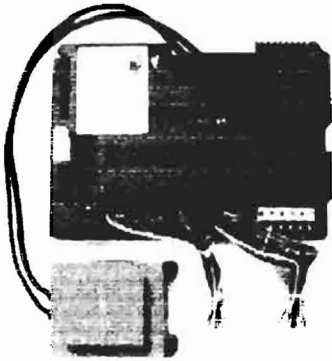
Available in 5 Models from 60,000 to 399,000 BTU/hr



PRESTIGE



Model 1000-1000-1000

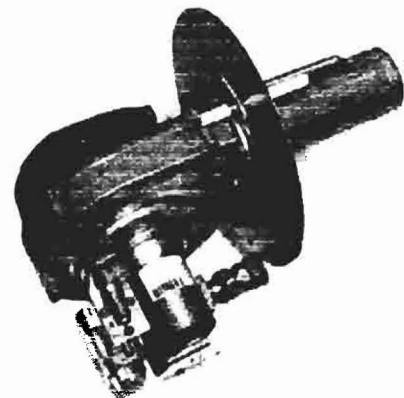


The Prestige uses a microprocessor electronic control module that automatically adjusts blower speed and gas flow rate to modulate boiler firing rate to closely match boiler output to space heating or DHW heating demand. The module responds to signals from the room thermostat, supply and return water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

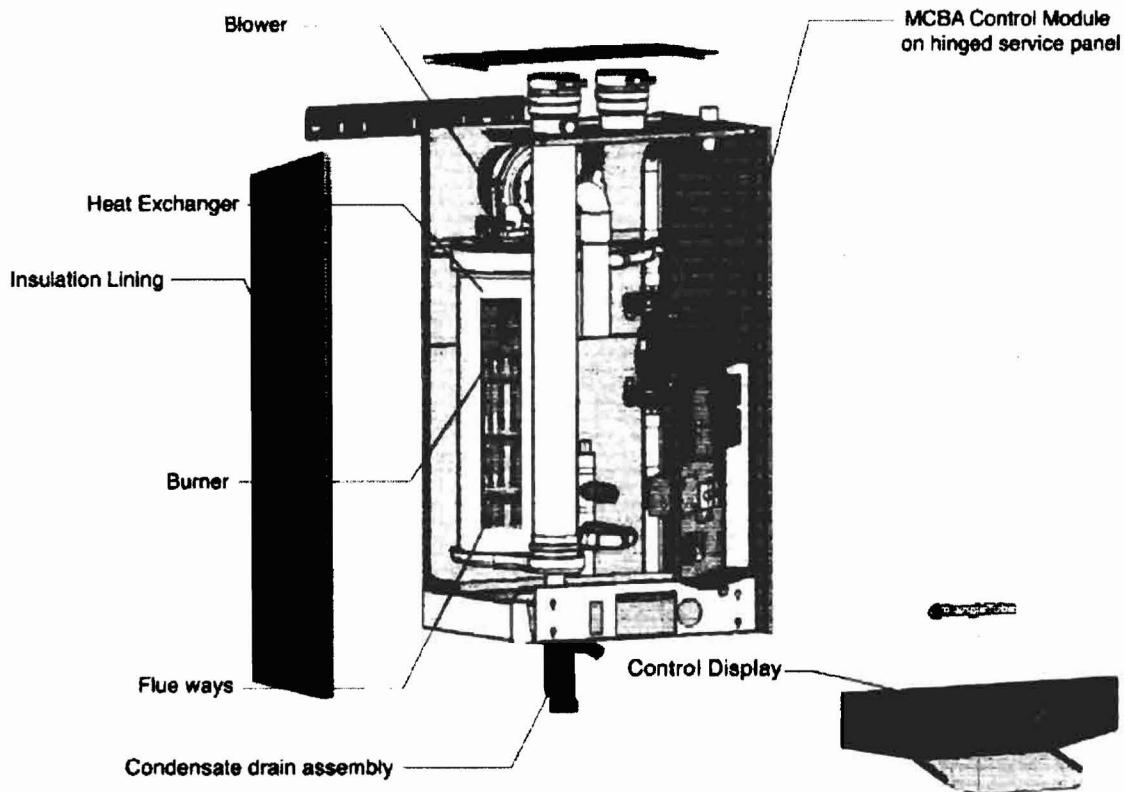
High grade stainless steel burner uses pre-mixed air and gas providing a 25% to 100% modulating firing rate. The Prestige burner features a long life, quiet operation, reliable spark ignition, and clean combustion for low NOx applications.

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.



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.

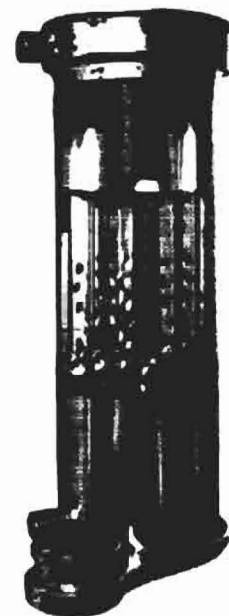
prestige



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

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

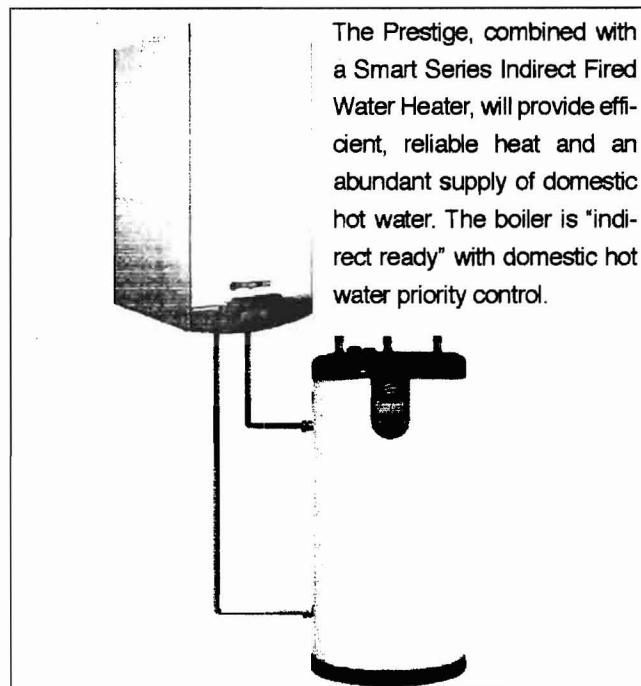
Model	Fuel	Input Modulation MBH	AFUE	DOE Heating Capacity MBH	NET I-B-R MBH	Water Volume Gal.
Solo 60	Natural or Propane	16 to 60	95%	54	47	2.5
Solo 110	Natural Gas	30 to 110	95%	99	86	2.5
Solo 110 LP	Propane Gas	25 to 97	95%	87	76	2.5
Solo 175	Natural or Propane	50 to 170	95%	154	134	4.8
Solo 250	Natural or Propane	65 to 245	95%	223	194	4.1
Solo 399	Natural or Propane	112 to 399	95.1 %*	379	330	7



*Thermal Efficiency

Model	Supply / Return Connections	Gas Connection	Vent/Air Diameter	Dimensions D x W x H	Weight Lbs
Solo 60	1"	1/2"	3"	16"x 20" x 35 1/2"	95
Solo 110	1"	1/2"	3"	16"x 20" x 35 1/2"	106
Solo 175	1 1/4"	3/4"	3"	16"x 20" x 35 1/2"	131
Solo 250	1 1/4"	3/4"	3"	16"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

- 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 UP15-58 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.

- 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.



Triangle Tube

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