

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

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

Permit No: 10-0061	Issue Date:	CBL: 046 A012001
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Location of Construction: 29 DEERING ST Unit#1	Owner Name: MONAHAN EILEEN	Owner Address: 29 DEERING ST # 1	Phone:
Business Name:	Contractor Name: Maietta / Titus / Blaschke P & H	Contractor Address: 1566 Forest Ave Portland	Phone 2077972685
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R6

Past Use: 3 Unit Condominium - Unit #1	Proposed Use: 3 Unit Condominium - Unit #1 - Install a Prestige Excellence boiler in basement  <i>legal use - 3 residential units</i>	Permit Fee: \$90.00	Cost of Work: \$7,000.00	CEO District: 2
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied  <i>* See Conditions</i>	INSPECTION: Use Group: <i>J</i> Type: <i>HURP</i>  <i>State Gas Reg's</i>	

Proposed Project Description: Install a Prestige Excellence boiler in basement	Signature: <i>(Signature)</i>	Signature: <i>(Signature)</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: 01/22/2010	<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 or Reviews</b></p> <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"/> Date: <i>1/22/10</i> <i>(Signature)</i>	<p><b>Zoning Appeal</b></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  Date:	<p><b>Historic Preservation</b></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 checked="" type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied  Date: <i>1/22/10</i> <i>STH</i>
	<p><b>PERMIT ISSUED</b></p>		

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



FILL IN AND SIGN WITH INK

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT 13322

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 29 Deering St #1 Use of Building Condo Date 1-22-10  
Name and address of owner of appliance Edward A Norton Association

Installer's name and address Marietta Titus Blaschke P+H Inc  
1566 Forest Avenue Portland Maine Telephone 797 2685

### Location of appliance:

- Basement
- Floor
- Attic
- Roof

### Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Prestige Excellence  
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 3309
- Other \_\_\_\_\_

### Type of Chimney:

- Masonry Lined  
Factory built \_\_\_\_\_
- Metal  
Factory Built U.L. Listing # \_\_\_\_\_
- Direct Vent  
Type PVC ETL ANSE Z21-13/CSA 4.5  
UL# \_\_\_\_\_

### Type of Fuel Tank

- Oil
- Gas

RECEIVED

Size of Tank JAN 22 2010

Number of Tanks 1 Dept. of Building Inspections  
City of Portland Maine

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

Cost of Work: \$ 7000.00

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

### Approved

### Approved with Conditions

Fire: \_\_\_\_\_  
Ele.: \_\_\_\_\_  
Bldg.: \_\_\_\_\_

- See attached letter or requirement

Signature of Installer Marietta Titus Blaschke Inspector's Signature \_\_\_\_\_ Date Approved \_\_\_\_\_

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

**BUILDING PERMIT INSPECTION PROCEDURES**

**Please call 874-8703 or 874-8693 (ONLY )**

**to schedule your inspections as agreed upon**

**Permits expire in 6 months, if the project is not started or ceases for 6 months.**

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

**By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.**

**A Pre-construction Meeting will take place upon receipt of your building permit.**

  X   **Final inspection required at completion of work.**

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

**If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

**CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.**

\_\_\_\_\_  
Signature of Applicant/Designee

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Inspections Official

\_\_\_\_\_  
Date

PERMIT ISSUED

City of Portland

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

<b>Permit No:</b> 10-0061	<b>Date Applied For:</b> 01/22/2010	<b>CBL:</b> 046 A012001
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<b>Business Name:</b>	<b>Contractor Name:</b> Maietta / Titus / Blaschke P & H	<b>Contractor Address:</b> 1566 Forest Ave Portland	<b>Phone</b> (207) 797-2685
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> HVAC	

<b>Proposed Use:</b> 3 Unit Condominium - Unit #1 - Install a Prestige Excellence boiler in basement	<b>Proposed Project Description:</b> Install a Prestige Excellence boiler in basement
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**Dept:** Historic      **Status:** Approved with Conditions      **Reviewer:** Scott Hanson      **Approval Date:** 01/22/2010

**Note:** **Ok to Issue:**

- External vents to be placed on west-facing angle of bay window for minimum visibility from street, as discussed during site visit. Vents to be horizontally aligned and painted to match brick of foundation.

**Dept:** Zoning      **Status:** Approved with Conditions      **Reviewer:** Ann Machado      **Approval Date:** 01/22/2010

**Note:** **Ok to Issue:**

- ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.
- This property shall remain as three (3) residential condominiums. Any change of use shall require a separate permit application for review and approval.

**Dept:** Building      **Status:** Approved with Conditions      **Reviewer:** Tammy Munson      **Approval Date:** 01/29/2010

**Note:** **Ok to Issue:**

- The installation must comply with the State of Maine Gas Regulations.

**Dept:** Fire      **Status:** Approved with Conditions      **Reviewer:** Capt Keith Gautreau      **Approval Date:** 01/26/2010

**Note:** **Ok to Issue:**

- Install shall comply with all manufacture's specifications.
- Install shall comply with NFPA 54.  
A compliance letter is required
- Install shall comply with NFPA 58  
A compliance letter is required.

PERMIT ISSUED

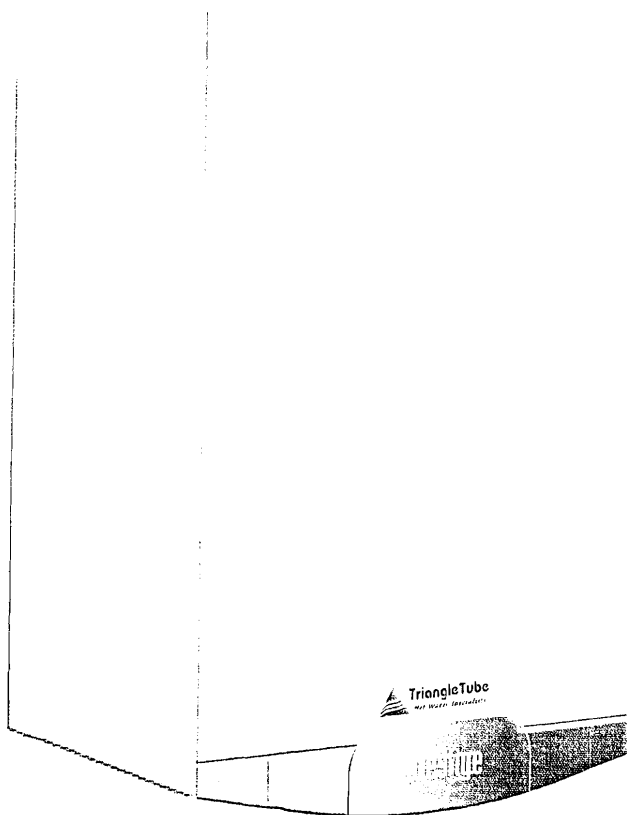
City of Portland



# prestige Excellence

## High Efficiency Space Heating and Domestic Hot Water ALL-IN-ONE.

High Efficiency Condensing Stainless Steel Wall Mounted Gas Boiler with Built in "Tank-in-Tank" Indirect Fired Water Heater.



The Prestige Excellence Model Condensing Boiler also incorporates a 14 gallon Indirect Fired Water Heater in the cabinet that is capable of producing 180 gph of domestic hot water.

### Features

- » 90% AFUE Efficiency
- » Fully Modulating
- » Variable Inlet/Outlet Temperatures
- » Low Voltage Control
- » Easy to Service
- » Built-in 14 Gallon Indirect Fired Water Heater
- » 180 GPH Domestic Hot Water Production
- » 5 Year Limited Parts Warranty
- » 10 Year Limited Labor Warranty
- » 3 Speed Burner
- » 3 Speed Circulator
- » 3 Speed Domestic Hot Water
- » 3 Speed Domestic Hot Water
- » 3 Speed Domestic Hot Water



# Specifications & Performance

## Boiler



Model	Fuel	Height (inches)	APLE	Boiler Heating Capacity (BTU/hr)	IBR Weight (lbs)	Boiler Water Content (Gal)
PE 110	Natural Gas	30 - 110	95%	99	86	2.5
PE 110 LP	Propane Gas	25 - 97	95%	87	76	2.5

Model	Fuel	Supply/Return Connections	Gas Connection	Vent/Air Diameter	Dimensions (D x W x H)	Weight (lbs)
PE 110	Natural Gas/ Propane	1"	1/2"	3"	20.8" x 24.7" x 37.2"	190

## Water Heater

Model	#10 Min Peak Flow (Gal)	#15 Hour Rating (GPH)	Continuous Flow @70°F Rise (GPH)	Domestic Inlet/Outlet	Domestic Capacity (Gal)	Heating Water Capacity (Gal)
PE 110	55	210	180	3/4"	14	2.3

\* Domestic performance based on average water temperature of 108°F at mixing valve outlet and 50°F inlet

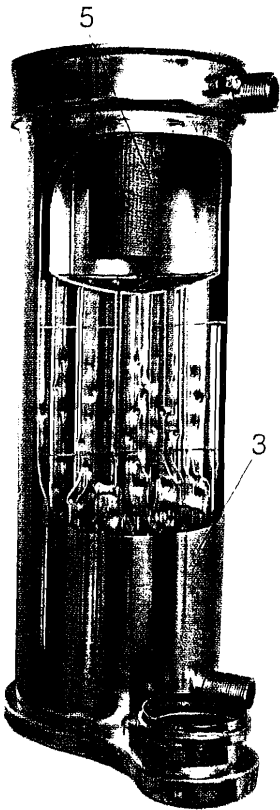
**439 GRADE STAINLESS STEEL HEAT EXCHANGER**  
Vertical Firetube Design. Impervious to chloride cracking. Unparalleled resistance to corrosion.

### HIGHEST WATER CONTENT IN THE INDUSTRY

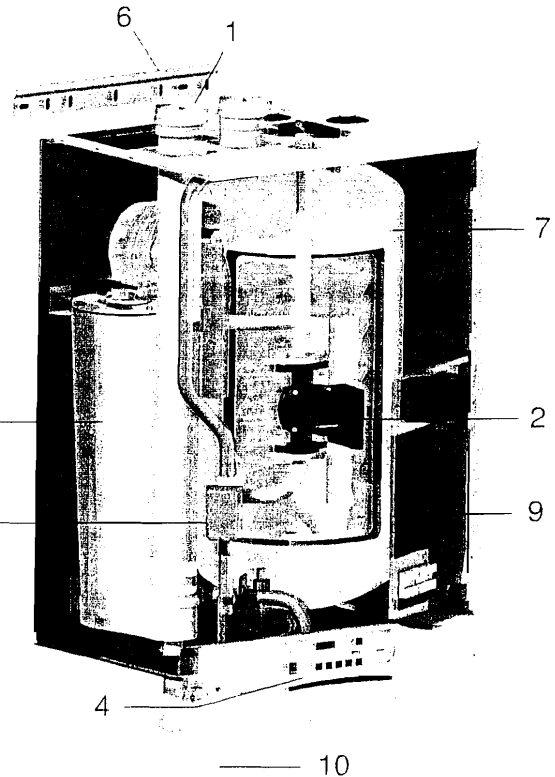
- Ideal for small zones without short cycling
- Stable temperature control
- Low pressure drop
- Less sensitive to water flow

### SELF CLEANING /SELF DESCALING

Condensate washes combustion residue away when streaming down the tubes resulting in a constant efficiency and reduced maintenance.



- Legend**
- 3" Flue connection - 1
  - 3 Speed System Circulator - 2
  - ASME Stainless steel heat exchanger - 3
  - Control panel with digital display - 4
  - Stainless steel premix gas burner - 5
  - Wall bracket - 6
  - Insulated "tank-in-tank" water heater - 7
  - 3-way valve - 8
  - Honeywell MCBA control on swing door - 9
  - Condensate Drain Assembly - 10



*Available with optional wall kit or floor stand*



**TriangleTube**  
Hot Water Specialists

1 Triangle Lane - Blackwood, NJ 08012

E-mail: sales@triangletube - www.triangletube.com

Tel: (856) 228 8881

Fax: (856) 228 3584

Member of



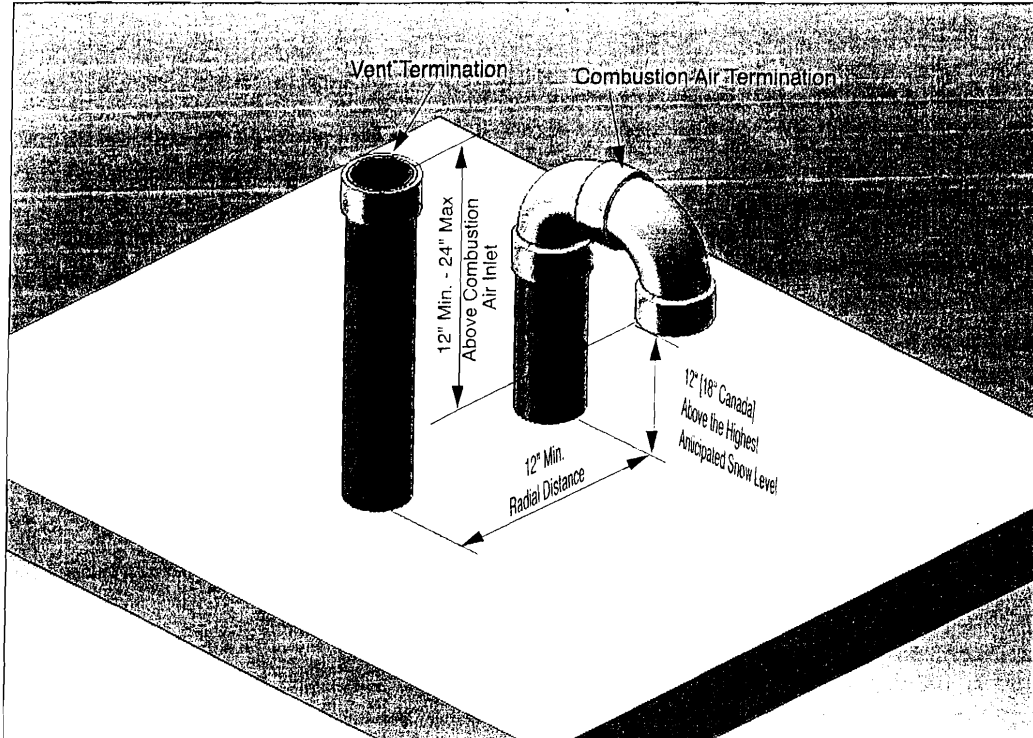


Fig. 1: Direct Vent - Vertical Termination of Vent and Combustion Air Piping.

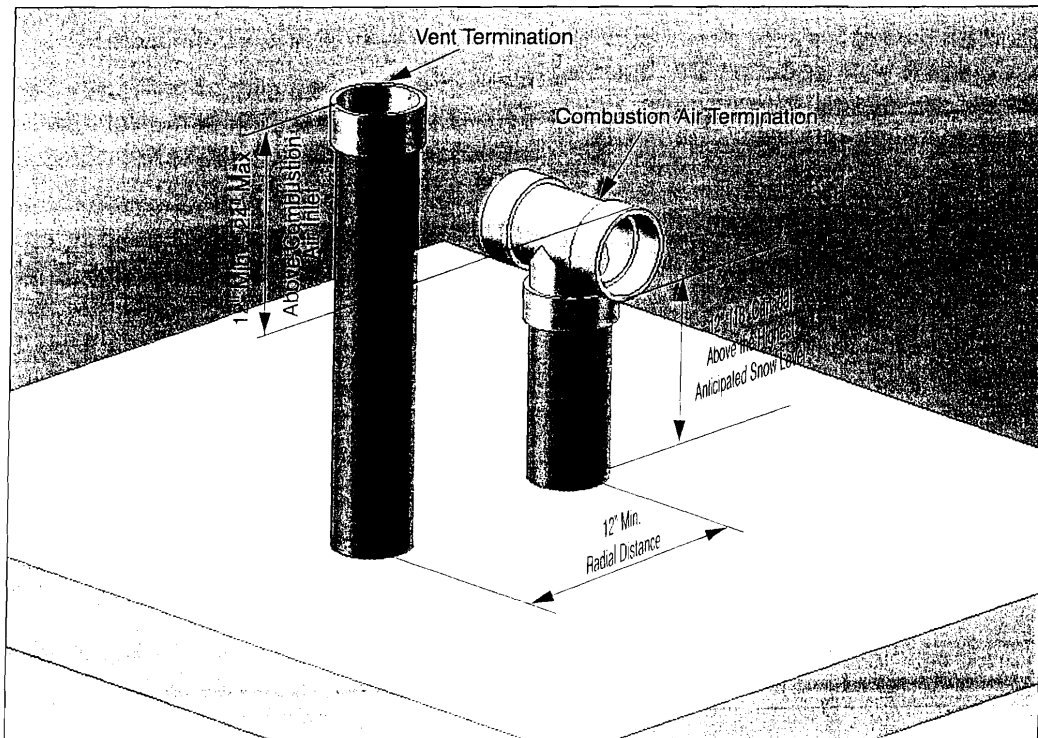
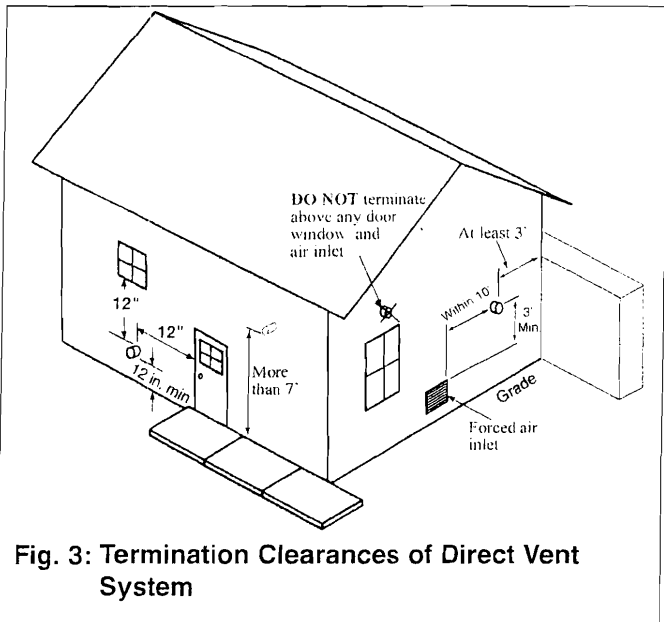


Fig. 2: Direct Vent - Vertical Termination of Vent and Combustion Air Piping.

- f. Locate the vent termination to prevent possible condensate damage to exterior finishes.
  - g. Avoid locations of possible accidental contact of flue vapors with people or pets.
6. The vent termination must also maintain the following clearances; as shown in Fig.3.
- a. At least 3 feet from adjacent walls
  - b. At least 3 feet below roof over hangs
  - c. At least 7 feet above any public walkways
  - d. At least 3 feet above any forced air intake within 10 feet (does not apply to the combustion air inlet of a direct vent appliance).
  - e. No closer than 12" below or horizontally from any door or window or gravity air inlet.
  - f. Must be at least 4 feet from any electric meters, gas meters-regulators, relief valves or other equipment. Never terminate the vent above or below any of these items within 4 feet horizontally.



- 7. Locate the vent and combustion air terminations in a manner to protect from damage by foreign objects, such as stones, balls, or buildup of leaves or sediment.
- 8. Do not connect any other appliance to the vent pipe or multiple boilers to a common vent pipe.

**Direct Vent - Vent Installation - Through the Roof**

1. Vent and Combustion Air Penetration

- Vent pipe penetration through combustible or non-combustible wall material should maintain a minimum 1/4" clearance. The diameter of the penetration hole should be 4" minimum for 3" pipe or 5" minimum for 4" pipe.
- Combustion air pipe penetration can maintain zero clearance. The diameter of the penetration hole should be 3 1/2" minimum for 3" pipe or 4-1/2" minimum for 4" pipe.

- 2. The installer must use a galvanized metal thimble for the vent pipe penetration.
- 3. Locate the vent and combustion air pipe penetrations to provide clearances as described in Fig. 1 & Fig. 2 on page 6.
- 4. The installer must comply with all local codes for isolating the vent and combustion air pipes as they pass through floors, ceilings and roofs.
- 5. The installer should provide adequate flashing and sealing boots sized for the vent pipe and combustion air pipe.

**Termination Fittings - Through the Roof**

- 1. The vent and combustion air terminations must include a factory supplied "bird screen" installed as shown in Figs. 4, 5 & 6 on page 8.
- 2. The combustion air piping must terminate in an upside down "U" shape fashion using two 90° elbows as shown in Fig. 1 page 6 or with a tee as shown in Fig. 2 on page 6.
- 3. The vent piping must terminate vertically with a coupling as shown in Figs. 1 & 2 page 6.

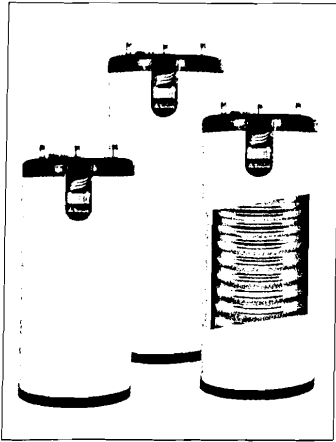
**WARNING**

Do not extend the vent pipe above the roof beyond the dimensions shown in Fig. 1 & Fig. 2 on page 6. Extended exposure of the vent pipe could cause condensate to freeze and block the vent pipe.



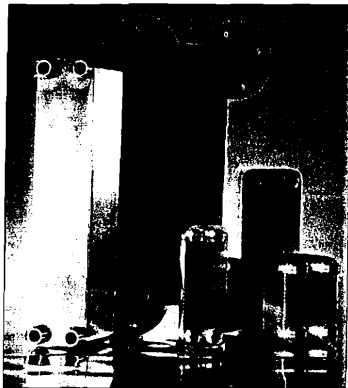
## Additional quality water heating equipment available from Triangle Tube

### SMART INDIRECT FIRED WATER HEATERS



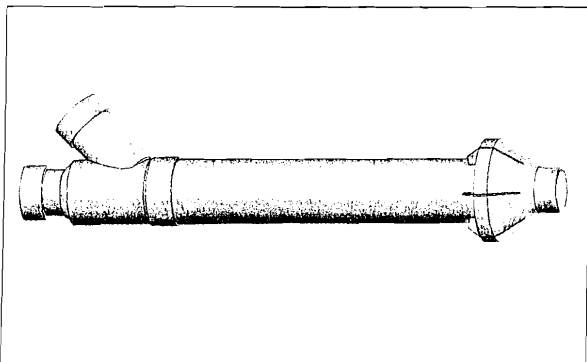
- Exclusive Tank-in-Tank design
- Stainless steel construction
- Available in 8 sizes and 2 models
- Limited LIFETIME residential warranty
- 15 year limited commercial warranty
- Self cleaning/self descaling design

### TTP BRAZED PLATE HEAT EXCHANGERS

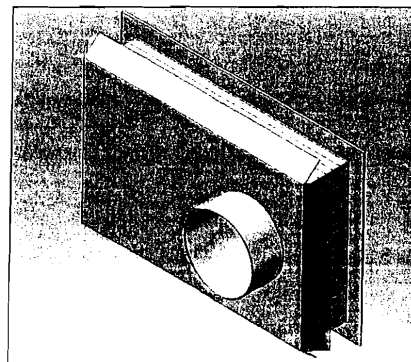


- For domestic water, snow melting, radiant floor, refrigeration
- Plates made of stainless steel, with 99.9 % copper and brazing, ensuring a high resistance to corrosion
- Self cleaning and self descaling
- Computerized sizing available from Triangle Tube/Phase III
- Available in capacities from 25,000 BTU/hr to 5,000,000 BTU/hr

### PRESTIGE CONCENTRIC VENT KIT



### PRESTIGE DIRECT VENT SIDE WALL TERMINATION KIT



Freeway Center - 1 Triangle Lane - Blackwood, NJ 08012  
Tel: (856) 228 8881 - Fax: (856) 228 3584  
E-mail: Sales@triangletube.com

Member of

