

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that TODD R SNIPER

Located At TRUE ST

Job ID: 2012-04-3883-HVAC

CBL: 424- A-007-001

has permission to install an HVAC system (Two Family Residence).

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

05/15/2012

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD

BUILDING PERMIT INSPECTION PROCEDURES

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

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

1. Close-In: Elec., Framing, Plumbing
2. Final Inspection

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Acting Director of Planning and Urban Development
Gregory Mitchell

Job ID: 2012-04-3883-HVAC

Located At: TRUE ST

CBL: 424- A-007-001

Conditions of Approval:

Building

1. The installation must comply with UL, the Manufacturers' Listing, MUBEC (IRC, 2009), and State of Maine Gas Regulations.
2. Separate permits are required for any electrical: plumbing, sprinkler, fire alarm, HVAC systems, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
3. Maintain proper setback(s) from property lines/buildings and proper clearances from vertical openings when direct venting
4. A Carbon Monoxide (CO) alarm shall be installed in each area within or giving access to bedrooms. That detection must be powered by the electrical service (plug-in or hardwired) in the building and battery.
5. M1804.2.5 Direct vent terminations. Vent terminals for direct-vent appliances shall be installed in accordance with the manufacturer's installation instructions.
6. **R302.4 Dwelling unit rated penetrations.** Penetrations of wall or floor/ceiling assemblies required to be fire-resistance rated in accordance with Section R302.2 or R302.3 shall be protected in accordance with this section.

RT

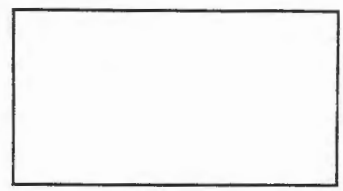
2012 04 30

FILE IN AND SIGN WITH INK

66



APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



424 A007

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 Tree St Use of Building Living Date 3-16-12

Name and address of owner of appliance SNIPER 29 & 31 TREE STREET

Installer's name and address STEV FAUCHER 134 South St Biddeford

Telephone 207-590-2989

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Ranni

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 7765
- Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type PVC UL# RECEIVED

Type of Fuel Tank

- Oil
- Gas

APR 30 2012
Dept. of Building Inspections
City of Portland Maine

Size of Tank ~~2~~ 100 GALS

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 14,000.00

Permit Fee: \$ 160.00

Approved

Fire: _____

Ele.: _____

Bldg.: _____

Approved with Conditions

See attached letter or requirement

Signature of Installer Stev Faucher

Inspector's Signature _____

Date Approved _____



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Receipts Details:

Tender Information: Check , BusinessName: S. F. Plumbing & Heating, Check Number: 2725
Tender Amount: 160.00

Receipt Header:

Cashier Id: gguertin
Receipt Date: 4/30/2012
Receipt Number: 43376

Receipt Details:

Referance ID:	6315	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	160.00	Charge Amount:	160.00
Job ID: Job ID: 2012-04-3883-HVAC - Ranni gas heater in the basement .			
Additional Comments: 29 True			

Thank You for your Payment!

Rinnai®



RINNAI CONDENSING TECHNOLOGY FOR HEATING YOUR WHOLE HOUSE – AND YOUR WATER

RINNAI CONDENSING WALL-MOUNTED GAS BOILERS FOR WHOLE-HOUSE HEATING AND HOT WATER

Optimum comfort. Minimum heating costs.

Heat an entire home – even get domestic hot water – with the economical, reliable and compact choice from Rinnai. Now, the premier name in tankless water heating brings you two series of wall-mounted, condensing gas boilers that can be easily retrofitted to replace traditional, less efficient boilers or provide simple, space-saving installation in new builds. All seven models feature Rinnai's exclusively designed stainless steel heat exchanger to deliver unparalleled performance and efficiency.



Choose from two lines, designed to fit your application.

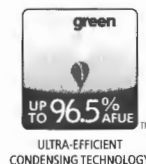
Rinnai offers more efficiency, more energy cost savings and more durability. Choose from the Rinnai E Series, perfect for homes with small domestic hot water needs, or the Q Series, ideal in all homes where there is a larger demand for domestic hot water. Four heating-only models and three combi models offer maximum BTU inputs ranging from 75,000 to 205,000 and operate on either natural gas or propane.

Rinnai E Series

- Two compact combi models for heating and domestic hot water
- Stainless steel heat exchanger
- Integrated stainless steel plate warming for faster domestic hot water delivery
- Integrated pump and expansion tank
- A variety of venting options

Rinnai Q Series

- Fully modulating pump combines with stainless steel heat exchanger to make this one of the more efficient units available
- Combi unit includes 6.6 gallon fully insulated indirect tank with built-in thermostatic mixing valve
- Optional 3-way diverter valve (indirect DHW tank kit) available for "S" System models



Q Series 175C



Benefits at a glance

- Up to 96.5% AFUE efficiency
- Stainless steel primary boiler heat exchanger
- Integrated domestic hot water plate exchanger
- Compact wall-mounted design saves space over traditional boilers
- Super quiet operation
- Optional internal 3-way valve eliminates the need for a pump for the indirect tank
- Outdoor reset function with sensor included
- Pre-assembled plumbing kits with low-loss header included
- Choose between propane or natural gas units (conversion kits available)
- Variety of venting options available, with direct-vent ready out-of-the-box; dual-pipe adaptor included
- ASME certified units
- ENERGY STAR® qualified models

RINNAI CONDENSING WALL-MOUNTED GAS BOILERS

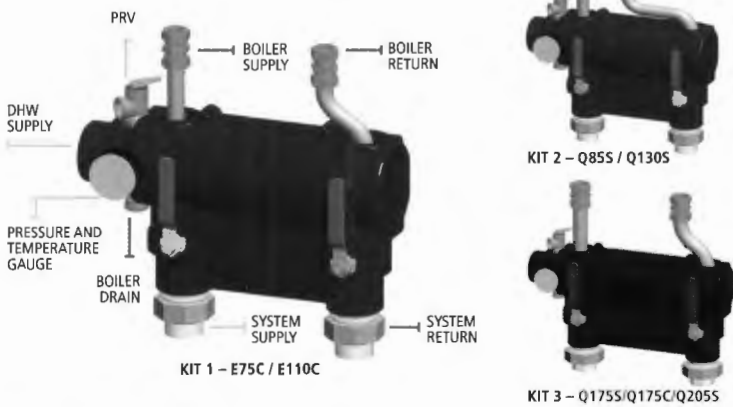


RS100

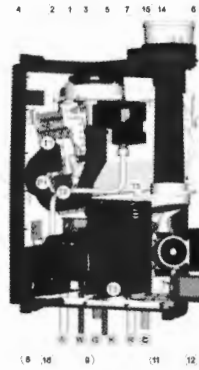
RS100 Controller

- Simple digital controller with backlit display
- Direct communication with boiler
- Adaptive room control
- Error reporting and auto service message
- Automatic summer/winter time change
- Local override of the room temperature
- Flow temperature control
- Features three clock programs and three week profile programs; programmable for holidays

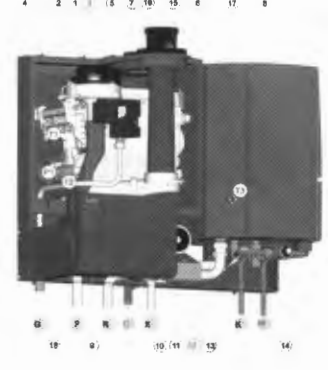
Plumbing Kits



E Series



Q Series



Condensing Gas Boilers - Parts

E SERIES	SHARED COMPONENTS	Q SERIES
8 plate exchanger DHW	1 heat exchanger	8 cylinder DHW (combi)
14 exhaust	2 ignition unit	10 Control Tower (CMS)
15 combustion air supply	3 fan unit	14 thermostatic mixing valve
16 Brazed plate heat exchanger	4 air inlet attenuator	15 exhaust
T1 supply sensor	5 gas valve	16 combustion air supply
T3 sensor DHW and flow switch	6 automatic air vent	17 air box
A supply connection central heating	7 ceramic burner cassette	18 identification plate
R return connection central heating	9 operating panel	T1 flow sensor
C condensate pipe	11 water filter return CH	T3 cylinder sensor DHW (combi)
K domestic cold water pipe	12 three-way valve	F supply connection central heating
W domestic hot water pipe	13 boiler loop pump	R return connection central heating
	T2 return sensor	C condensate pipe
	P1 water pressure sensor	E expansion vessel pipe (Q51C)
	G gas pipe	K domestic water pipe (combi)
		W domestic hot water pipe (combi)

Rinnai Condensing Wall-Mounted Gas Boilers – "C" Combi and "S" System

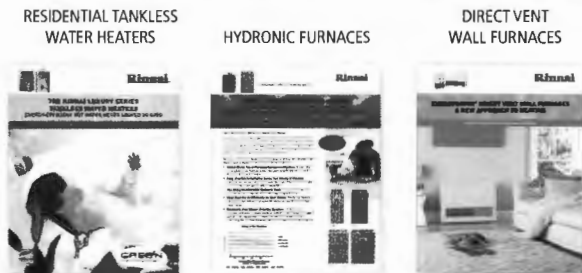
Models	E75C	E110C	Q85S	Q130S	Q175S	Q175C	Q205S
Dimensions	W 20" (500 mm) H 26" (650 mm)* D 16" (395 mm)	W 20" (500 mm) H 26" (650 mm)* D 16" (395 mm)	W 20" (500 mm) H 27" (680 mm) D 15" (385 mm)	W 20" (500 mm) H 27" (680 mm) D 15" (385 mm)	W 26" (660 mm) H 27" (680 mm) D 15" (385 mm)	W 40" (1000 mm) H 27" (680 mm) D 15" (385 mm)	W 26" (660 mm) H 27" (680 mm) D 15" (385 mm)
Weight	86 lbs (39 kg)	88 lbs (40 kg)	110 lbs (50 kg)	117 lbs (53 kg)	141 lbs (64 kg)	196 lbs (89 kg)	141 lbs (64 kg)
Minimum/Maximum Input BTU (Heating)	17,000-75,000 (NG) 37,000-75,000 (LP)	26,000-110,000 (NG) 59,000-110,000 (LP)	17,000-85,000 (NG) 37,000-85,000 (LP)	26,000-130,000 (NG) 59,000-130,000 (LP)	35,000-175,000 (NG) 74,000-175,000 (LP)	35,000-175,000 (NG) 74,000-175,000 (LP)	41,000-205,000 (NG) 74,000-205,000 (LP)
Minimum/Maximum Input BTU (Direct Hot Water)	17,000-85,000 (NG) 37,000-85,000 (LP)	26,000-130,000 (NG) 59,000-130,000 (LP)	Indirect tank compatible	Indirect tank compatible	Indirect tank compatible	6.2 GPM (50° F Delta T)	Indirect tank compatible
Maximum Flow Rate Domestic Hot Water	2.1 GPM (75° F Delta T)	4.6 GPM (50° F Delta T)	Indirect tank compatible	Indirect tank compatible	Indirect tank compatible	6.2 GPM (50° F Delta T)	Indirect tank compatible
AFUE Rating (NG and LP)	96.5%	96.1%	96.1%	96.1%	95.7%	95.7%	95.7%
Optional Digital Controller (s)	RS100	RS100	RS100	RS100	RS100	RS100	RS100

*Includes expansion tank

Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to and upon installation.

FOR MORE INFORMATION ON RINNAI PRODUCTS

ADDITIONAL RINNAI LITERATURE AVAILABLE



Rinnai America Corporation

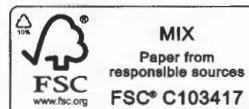
103 International Drive
Peachtree City, GA 30269

Toll Free 1-800-621-9419

Phone: 678-829-1700 • Fax: 678-364-8643

Visit our Website: www.rinnai.us

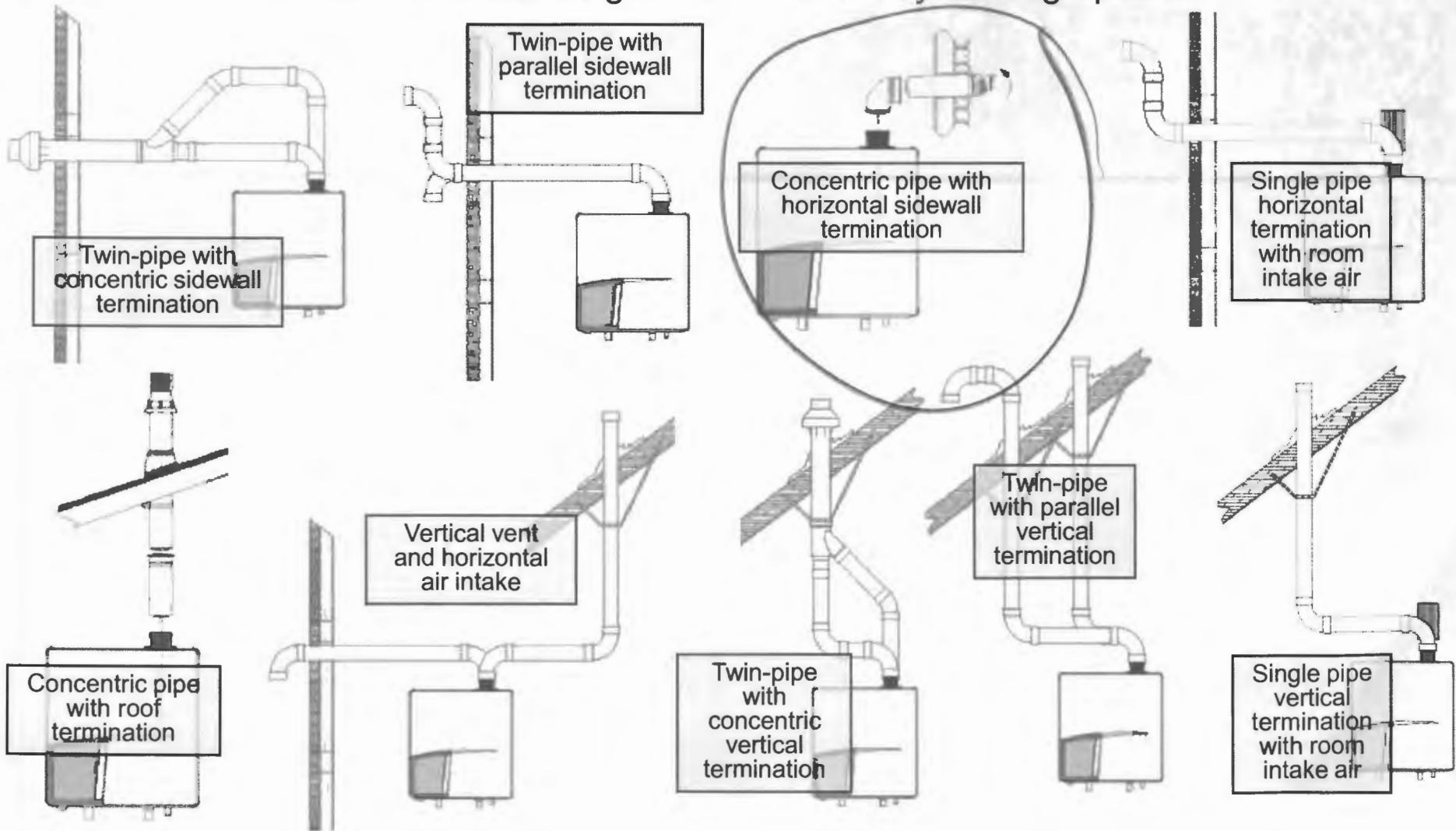
E-mail: marketing@rinnai.us



Venting Options

Rinnai

The Rinnai Condensing Boiler offers many venting options:



Intake Air Guidelines

Rinnai

When using room air for combustion, all guidelines in the installation manual must be observed. Failure to provide adequate intake air can result in unit failure, fire, explosion, serious bodily injury or death.

Note:

- Rinnai offers (and highly recommends the use of) an intake air filter when using room air for combustion (shown in picture to the right)
- Combustion air must be free of corrosive or acid forming chemicals.
- See the installation manual for a comprehensive list of chemicals and materials not to be stored in the vicinity of the boiler or where it is drawing intake air
- When using room air, the room where the boiler is installed must be defined as either an unconfined or confined space to ensure adequate intake air will be present. (See appendix B)



If using indoor air for combustion, Rinnai offers and highly recommends an intake air filter that mounts on the boiler where air will enter

