Location of Construction:	Owner Name:	0	wner Address:	Phone:			
138 PARK AVE	MILLER CHE	ELSEA A 1	38 PARK AVE # 6				
Business Name:	Contractor Name	: Co	ontractor Address:	Phone			
	The Steinert C	o., Inc. P	O Box 1912 Windham	2078925683			
Lessee/Buyer's Name	Phone:		ermit Type: HVAC	Zone:			
Past Use:	Proposed Use:	P	ermit Fee: Cost of Work	: CEO District:			
		Units / Unit #6:	\$90.00 \$6,83	7.00 2			
Lyphuse of entire	basement.	gas boiler in the F	Denied	INSPECTION: Use Group: R-2 Type: HO State Gas Reg's			
Projosed Project Déscription: Install a Smith gas boiler in	the basement.	PI	egnature: EDESTRIAN ACHAPITIES DIST Approved	Signature: RICT (P.A.D.) roved w/Conditions Denied			
		S	ignature:	Date.			
Permit Taken By: gg	Date Applied For: 10/08/2010	Zoning Approval					
This permit application	n does not preclude the	Special Zone or Reviews	Zoning Appeal	Historic Preservation			
1. This permit application	a does not precide the						
Applicant(s) from mee Federal Rules.	eting applicable State and	Shoreland	☐ Variance	Not in District or Landma			
Federal Rules.	ot include plumbing,	Shoreland Wetland	Variance Miscellaneous	Not in District or Landma			
Federal Rules. 2. Building permits do no septic or electrical wor 3. Building permits are within six (6) months of	ot include plumbing, rk. oid if work is not started of the date of issuance.		* A.S.OWERGE				
Federal Rules. 2. Building permits do no septic or electrical wor 3. Building permits are very septic or electrical work.	ot include plumbing, rk. oid if work is not started of the date of issuance. invalidate a building	☐ Wetland	Miscellaneous	Does Not Require Review			
Federal Rules. 2. Building permits do no septic or electrical wor 3. Building permits are within six (6) months of False information may	ot include plumbing, rk. oid if work is not started of the date of issuance. invalidate a building	☐ Wetland ☐ Flood Zone	☐ Miscellaneous ☐ Conditional Use	Does Not Require Review Requires Review			
Federal Rules. 2. Building permits do no septic or electrical wor 3. Building permits are within six (6) months of False information may	ot include plumbing, rk. oid if work is not started of the date of issuance. invalidate a building rk	Wetland Flood Zone Subdivision	☐ Miscellaneous ☐ Conditional Use ☐ Interpretation	☐ Does Not Require Review ☐ Requires Review ☐ Approved			
Federal Rules. 2. Building permits do no septic or electrical wor 3. Building permits are waithin six (6) months of False information may permit and stop all wor	ot include plumbing, rk. oid if work is not started of the date of issuance. invalidate a building rk	Wetland Flood Zone Subdivision Site Plan	Miscellaneous Conditional Use Interpretation Approved	Does Not Require Review Requires Review Approved Approved Approved w/Conditions			

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.

	Iaine - Building or Use Permit 04101 Tel: (207) 874-8703, Fax: (207		Applied For: CBL: 08/2010 048 A005006
Location of Construction:	Owner Name:	Owner Address:	Phone:
138 PARK AVE	MILLER CHELSEA A	138 PARK AVE # 6	
Business Name:	Contractor Name:	Contractor Address:	Phone
	The Steinert Co., Inc.	PO Box 1912 Windham	(207) 892-5683
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	
Proposed Use: Condominium Units / U basement.	Jnit #6; Install a Smith gas boiler in the	Proposed Project Description: Install a Smith gas boiler in the	basement.
Dept: Zoning Note:	Status: Approved with Conditions	Reviewer: Marge Schmuckal	Approval Date: 10/18/2010 Ok to Issue:
not limited to items 3) This property shall	roval for an additional dwelling unit. Yo such as stoves, microwaves, refrigerators remain six residential condominiums of v or review and approval.	s, or kitchen sinks, etc. Without specia	al approvals.
Dept: Building Note:	Status: Approved with Conditions	Reviewer: Tammy Munson	Approval Date: 11/02/2010 Ok to Issue: ✓
	ugh rated assemblies must be protected by C 2003 Section 712.	y an approved firestop system installe	d in accordance with ASTM 814
2) The installation mu	st comply with the State of Maine Gas Re	egulations.	
Dept: Fire	Status: Approved with Conditions	Reviewer: Capt Keith Gautreau	Approval Date: 10/21/2010
Note:			Ok to Issue:
1) Install shall comply	with all manufacture's specifications.		
Install shall comply A compliance letter	with NFPA 54.		

 Install shall comply with NFPA 58 A compliance letter is required.

PERMIT ISSUED



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

10/08 2010
Received from The Stand & Inc
Location of Work 138 Park Ave # 6
Cost of Construction \$ 6,837 Building Fee: Permit Fee \$ Site Fee:
Certificate of Occupancy Fee:
HUAC Total: 80.00
Building (IL) Plumbing (I5) Electrical (I2) Site Plan (U2)
Other
CBL: 048 1005006
Check #: 15/72 Total Collected \$ 80.00

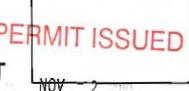
No work is to be started until permit issued. Please keep original receipt for your records.

Taken by: RECEIVED

WHITE - Applicant's Copy YELLOW - Office Copy PINK - Permit Copy OCT -8 2010

Dept. of Building Inspections City of Portland Maine FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

CBL OUR A005 006

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: Name and address of owner of appliance 138 Park Ave #6 fortland Me Chelsen Miller POBOX 1912 Windham Me. 04de Telephone 892-5483 Location of appliance: Type of Chimney: D Basement G Floor Masonry Lined ☐ Attic □ Roof Factory built _____ Type of Fuel: ☐ Metal ☑ Gas □ Qil Solid Factory Built U.L. Listing #____ Appliance Name: H.B. Smith Goiler ☐ Direct Vent U.L. Approved & Yes D No Type ______ UL#__ Will appliance be installed in accordance with the manufacture's Type of Fuel Tank installation instructions? Yes IF NO Explain: Number of Tanks _____ The Type of License of Installer: ☐ Master Plumber # ☐ Solid Fuel # Distance from Tank to Center of Flame _____ feet. Er Oil # 11/5/0007823 Er Gas # PNT 1173 Cost of Work: \$_6837. -☐ Other Permit Fee: Approved with Conditions Approved See attached letter or requirement

White - Inspection

Signature of Installer _____

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

Date Approved

Inspector's Signature



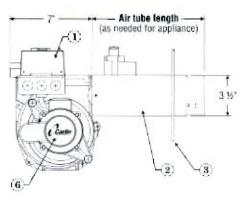
MODEL **EZ-Gas**™
Power Gas Burner
50,000 to 275,000 втин

The IDEAL burner for even the toughest applications





Carlin EZ-Gas Power Gas Burner



- (1) Carlin 60200FR microprocessor control
- (5) Combination gas valve

- 9 W
- Multiple insertion lengths available

 9 %

 Gas connection

 N NPT
- (3) Flange (selected to meet appliance requirements)
- (8) Air flow proving switch

4 Carlin 41800 solid state ignitor

- (7) Cast aluminum blower housing

Features

- Converts from propane to natural gas with just an orifice change — no conversion kit needed
- Fires negative or positive chambers from 50,000 to 275,000 Btuh input
- Provides dependable, direct-spark ignition of main flame — for guick, clean light-offs
- Comes standard with time-tested solid state ignition and state-of-the-art microprocessor control technology
- Factory-packaged with combustion control and gas fuel train
- Shipped completely assembled and wired
 for "EZ" installation and start-up
- Diagnostic LED lights annunciate operating mode: Self-check, Flame-on, Recycle, Lockout and Latch-up
- High-efficiency, compact flame pattern design ensures clean, quiet operation
- Does not require a refractory liner fires with or without a combustion chamber
- Available with custom welded air tube flange (and/or optional pedestal) to accommodate most appliance mounting requirements
- Includes 1-year warranty

Specifications

Input

(2) Air tube

(6) Carlin PSC motor

......50,000 to 275,000 Biuh

Fuels

Natural Natural	gas or propane gas
Maximum supply pressure	14 inches w.c.
Minimum supply pressure	5.0 inches w.c.
Manifold pressure	3.5 inches w.c.

Electrical

Power	120 wc/60 Hz/1-PHASE
Limit circuit input	
Motor	1/15 нг, 3450 прм
Current	Approximately 2.0 AMPS
Fuel valve power	120 wc/60 Hz

Ignition

Control

.......... Carlin Model 60200FR microprocessor control

- · 4-sec. Trial for ignition (TFI)
- 1.3-sec. FFRT
- Pre-purge and post-purge
- Serviceman reset protection (Latch-up after three consective lockouts)
- · Interrupted duty ignition
- · Recycle on flame failure

Agencies

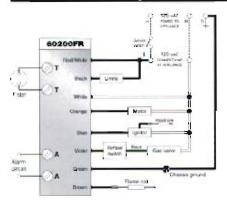
UL Listed (United States)	per ANSI Z21.17
MEA approval	#137-05-E

Orifice selection

Input	Orifice o	drill size	Air band			
Btuh	Natural gas	Propane gas	Slots	Approximate Setting (note)		
50.000	#19 (.166)	#32 (.116)	1	0 %		
75,000	#11 (.191)	#26 (.147)	1	5 %		
100,000	#1 (.228)	#16 (177)	1	20 %		
125,000	D (.246)	#9 (.196)	1	30 %		
150,000	J (.277)	1/ac (.219)	2	20 %		
175,000	N (.302)	C (.242)	2	30 %		
200,000	²¹ /6+ (.328)	17/64 (.266)	2	35 %		
225,000	T (.358)	%s (.281)	2	45 %		
250.000	X (.397)	Me (312)	2	55 %		
275,000	7/se (.437)	R (.339)	2	75 %		
The second second	PETER TRANSPORTER			100		

Note: Air band setting is approximate only. Follow burner manual and appliance manual instructions to adjust burner using combustion test instruments.

Wiring



FECH SUPPORT HOTLINE 800-989-2275



Carlin Combustion Technology, Inc.

70 Maple Street East Longmeadow, MA 01020 e-mail us at: into @carlincombustion.com

East Longmeadow. MA 01028 Phone 413-525-7700 Fax 413-525-8306

vist our website: www.carlincombustion.com



series 8



More Cast Iron Means Better Performance

The 8 Series, with its rugged cast iron construction, offers commercial quality in a residential boiler. With cast iron sections, thicker and deeper than in other leading boilers, the 8 Series offers a multitude of performance advantages including higher heat retention, better combustion, quiet

operation and superior steam performance. These high efficiency boilers offer exceptional efficiencies of over 85%.



Extra-deep Sections

The cast iron sections of the Smith 8 Series are an extra-deep 4% inches. These sections offer larger water content and increased water surface area in the boiler. Corrosion and mineral build-up is minimized and maximum heat transfer is maintained. This larger water content also reduces unnecessary make-up water in steam applications and quicker start-up is facilitated by better steam generation.

Thicker Walls and Higher Mass

The thicker walls and higher mass of the 8 Series boiler maintains a high water temperature for a greater length of time after the burner has stopped firing. This higher hear retention reduces short cycling for maximum efficiency.

Longer Combustion Chamber for Clean Combustion

With more room for the combustion process to occur, the longer chamber provides better, cleaner combustion. Decreased chance of flame impingement minimizes incomplete combustion and scoting. This longer chamber also reduces noise levels for quieter operation.

Quiet Rear Outlet Design

The rear outlet design of the 8 Series allows quieter operation. Designed to provide a sound attenuating effect much like that of a car muffler, the flue gases are routed through two turns before venting into the chimney. This advanced design offers notably reduced noise levels.

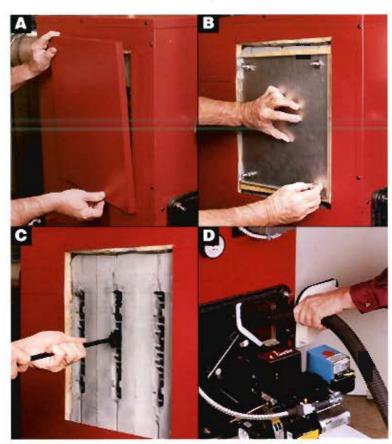
Built and Backed for a Lifetime

Without question, cast iron construction offers superior durability and longer life. Each 8 Series section is pressure tested and retested upon assembly. Your complete satisfaction on all 8 Series boilers is backed by a lifetime warranty* and our commitment to excellence.



Service Made Simple

Servicing the 8 Series is fast and easy with time-saving features such as the lift-off access panel, one piece element cover plate and new swing out service hatch. Simply lift off the access panel (**A**), unserew the wing nuts (**B**), use a standard flue brush to clean between the rapered section pins (**C**), and vacuum out the combustion chamber (**D**).



Domestic Hot Water

Enjoy ample low-cost domestic hot water without the expense of a separate water heater. Designed for installation in minutes and hassle-free removal for cleaning, the optional tankless heater is capable of producing up to 5 gallons of domestic hot water per minute.



STANDARD EQUIPMENT

Steam and Water

- Cast iron wet base sections
- Beckett AFG, Carlin EZ-Pro or Riello flame retention burner with nozzle
- Cast-iron smokehood
- · Preformed target wall
- · Cast-iron heater cover plate
- Wooden shipping crares

Steam Only

- Hi-limit pressure control
- A.S.M.E. safety relief valve (15 psi)
- Steam pressure gauge
- Gauge glass and fittings
- Low water cutoff HydroLevel CG-450 rCGT-450

Water only

- Hydronic relay, hi-limit and circulator control
- A.S.M.E. relief valve (30 psi)
- Theraltimeter
- Taco circulator
- · Brass drain cock

OPTIONAL EQUIPMENT

Steam and Water

Two stage fuel unit

Steam Only

 Tankless heater (side mount).
 Includes operating temperature (low limit) control (L4007A)

Water Only

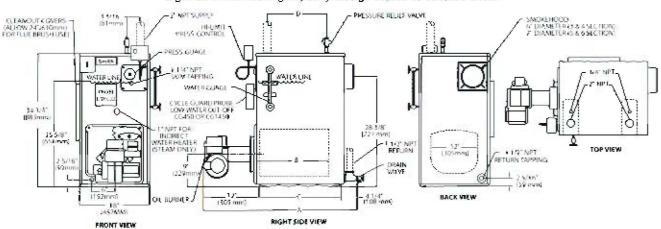
- Tankless heater (front mount).
 Includes combination triple aquastat and circulator relay (L8124A)
- · Less circulator

^{*}See warranty statement for complete details

series 8

OIL FIRED RESIDENTIAL

Light Oil 0.0.E. Heating capacity ratings 91,000 to 250,000 Bluh.



W. V. L.			Burster	l=	B=R Net R	atings	hotural	AFA	ES	Qveral	Chamber	Boller	Distance between	2dinus	Chamber	Water	Water
Boiler Model Aumber	Reading Capacity VBH	(Note 2) EPN	ман	Water (Note 1) MBH	Stram (Note 1) MBH	SA FL	Draft Chirmey (Note 2)	Water	Steam	Length (Inches) 4			Supply Tangings (Arches) 0	Foot of Meating Surface	Folume (Ca FL)	Content (Sal. for Steam)	Centent (Gal. for Water)
8-*-31.	91	-75	105	79	68	283	8×8×18'	86.2	85.6	33"	13-3/8"	16-3/4*	10-3/4"	12.19	0.832	9.8	11.7
8-*-3H	113	.95	133	98	84	350	8x8x18'	84.1	83.4	33"	13-3/8"	16-3/4"	1063/4"	12.19	0.832	9.8	11.7
8-*-4L	133	1.10	154	116	99	413	8x8x17*	86.2	85.5	37-3/4*	18-1/8"	21-1/2*	15-1/2"	17.55	1.128	12.3	15.1
8-*-4H	150	1.25	175	130	112	467	8x8x17*	85.4	84.7	37-3/4"	18-1/8"	23-1/2"	15-1/2"	17.55	1.128	12.3	15.1
8-1-5L	169	1.40	196	147	126	525	8x8x16'	86.2	85.3	42-1/2"	22-7/8"	26-1/4"	20-174"	22.91	1.423	14.9	183
8 . 2H	20.3	1.70	238	177	152	633	8x8x16'	85.1	84.5	42-1/2*	22-7/8*	26-1/4*	20-1/4"	22.91	1.423	14.9	18.5
8-*-6L	211	1.75	245	183	157	654	8x8x15'	86.2	85.1	47-1141	27-5/8"	31"	25"	28.29	1.719	17.4	21.9
8.4.6H	249	2.10	294	217	186	775	8x8x15*	84.8	84.3	47-1/4"	27-5/8*	31"	25"	28.29	1.719	17.4	21.9

Standard Working Pressure 30 psi Water, 15 psi Steam, All Boilers Hydrostatically tested - A.S.M.E.

* Insert "s" for steam or "w" for water.

(Note 1) Net ratings shown are based on an allowance of 1,333 for steam or 1.15 for water.

(Note 2) Light oil having heat content of 140,000 BTU/Gal.

(Note 3) Nominal clay tite liner dimensions.

To the interest of product improvement we reserve the right to make changes without notice.

Crated Outside Dimensions							
Boiler Number	Length (Inches)	Width (Inches)	Height (Inches)				
8-*-3	33-1/2	22	37				
8-*-4	38-1/4	22	37				
8-*-5	43-1/4	22	37				
86	48	22	37				



8.*-3H

8-*-4L

8-*-4H

8-*-5L

8-*-5H

8-*-61

8-*-GH









Westcast, Inc., 260 North Elm Street, Westfield, MA 01085 (413) 562-9631 • FAX: (413) 562-3799 www.smithboiler.com

431 Temperature rac 1000 F, with boiler water at 1800 F.

1.00

1.25

1.35

1.65

1.75

2.00

The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pick-up requirements such as uncommunit system operation, extensive piping systems, etc.

Tankless Water Heater Capacities

2.5

3.3

3.5

3.5

3.5

3.5

2.5

3.3

3.3

3.8

4.5

4.6

5.0

Intermittent Flow GPM (1) Continuous Flow GPM (1)

1.75

2.0

2.5

2.9

3.3

3.9

4.0

4.9

Steam

1.75

2.0

2.5

2.9

3.0

3.0

3.0

3.0

If death over the fire exceeds .04" WC or is required to focal order, burning rig damper must be supplied by the installing heating contractor

For forced hot water heating systems where the boiler and all the piping are within the arer to be heared, the boiler may be selected on the boss of its O.O.E. hearing capacity. Before Parchasing this appliance, read important energy cost and efficiency information available from your retailer.

8/06





series 8

OIL FIRED RESIDENTIAL BOILER

