

Bulletin Number: PPB-030215

Date: 03/10/2015
Product: P90-100 Series
From: Marketing
Title: New Offering



Dear Valued Customer;

ECR is pleased to announce the addition of the P90-100 series boilers to the Pennco product line. The P90-100 is a 90% AFUE, fixed input condensing gas boiler and is the economical solution for an entry level condensing gas boiler.

The P90 series features a high efficiency cast aluminum heat exchanger with a proven track record for over 15 years. The low pressure drop heat exchanger allows the boiler to be piped just like a conventional cast iron boiler without the need for specialized higher head pumps or primary secondary piping connections.

Available in 3 different capacities; 50-75-100 mbh, the P90 can be ordered as a Natural or LP gas boiler, and is also field convertible with an optional kit. Several 2" venting options are available: PVC-CPVC-Poly-Pro.

The P90-100 features include:

- Top or side supply and return connections
- Multi-positional draft inducer for venting flexibility
- Fuel Smart Hydrostat with 3 features in one Control
 - *Built-in LWCO protection.*
 - *Temperature Limit adjustments with easy dial settings and function indicator lights.*
 - *Boiler Water temperature reset without the need to install an outdoor sensor.*

Please see the table on the following page for SKU's, item descriptions and Trade Pricing. Also included in this announcement is the sell sheet.



Pennco P90 Series Boilers

Item-SKU	Description	Trade Price
Q90205003200407	P90-50,2S,NAT,HL,LPUMP,S4,PN	\$3,149
Q90205003210407	P90-50,2S,NAT,HL,TACO,S4,PN	\$3,214
Q90205003220407	P90-50,2S,NAT,HL,GRFS,S4,PN	\$3,214
Q90205013200407	P90-50,2S,LP,HL,LPUMP,S4,PN	\$3,149
Q90205013210407	P90-50,2S,LP,HL,TACO,S4,PN	\$3,214
Q90205013220407	P90-50,2S,LP,HL,GRFS,S4,PN	\$3,214
Q90207503200407	P90-75,2S,NAT,HL,LPUMP,S4,PN	\$3,149
Q90207503210407	P90-75,2S,NAT,HL,TACO,S4,PN	\$3,214
Q90207503220407	P90-75,2S,NAT,HL,GRFS,S4,PN	\$3,214
Q90207513200407	P90-75,2S,LP,HL,LPUMP,S4,PN	\$3,149
Q90207513210407	P90-75,2S,LP,HL,TACO,S4,PN	\$3,214
Q90207513220407	P90-75,2S,LP,HL,GRFS,S4,PN	\$3,214
Q90210003200407	P90-100,2S,NAT,HL,LPUMP,S4,PN	\$3,149
Q90210003210407	P90-100,2S,NAT,HL,TACO,S4,PN	\$3,214
Q90210003220407	P90-100,2S,NAT,HL,GRFS,S4,PN	\$3,214
Q90210013200407	P90-100,2S,LP,HL,LPUMP,S4,PN	\$3,149
Q90210013210407	P90-100,2S,LP,HL,TACO,S4,PN	\$3,214
Q90210013220407	P90-100,2S,LP,HL,GRFS,S4,PN	\$3,214

If you have any questions, please contact your Pennco Representative or ECR Regional Sales Manager.

Regards,

Don DeCarr
Hydronic Product Manager

Residential Gas-Fired Condensing Boiler

PENNCO 
SILVER

P90 Series
Gas-Fired Condensing Hot Water Boiler

90% AFUE



- **High Efficiency Cast Aluminum Heat Exchanger with low pressure drop**
- **Hot Surface Ignition (HSI) Boiler Control**
- **Fuel Smart Hydrostat Control: 3 functions in 1 Control**
 - Temperature Limit Control with easy dial settings and function indicator lights.
 - Low Water Cut-Off (LWCO), protects the boiler from damaging low water conditions.
 - Boiler Reset, lowers the boiler temperature to save fuel without sacrificing comfort.
Set-up is quick with no need to install an outdoor sensor, just dial in the number of heating zones
- **Small compact design is ideal for low clearance/limited space installations**
- **Stainless Steel Premix Burner for corrosion resistance**
- **Sealed Combustion - approved for Polypropylene venting**
- **Induced Draft Blower with adjustable exhaust (front, right side or rear)**
- **Easy to Install & Service:**
 - Choice of multiple supply and return locations (top, side or combination)
 - Leveling Legs
 - Junction Box provided
 - Removable control panel for quick access
 - Low profile condensate trap provides easy plumbing of condensate drain lines
- **Limited 15 Year Warranty**

Pennco SILVER makes Simple Comfort, Affordable.

Pennco P90 Natural or Propane Gas-Fired Condensing Boiler

Dimensions/Weights		Model	Boiler Input Rate (MBH) ⁽¹⁾	Heating Capacity (MBH) ⁽¹⁾⁽²⁾	Net AHRI Rating, Water (MBH) ⁽¹⁾⁽³⁾	AFUE % ⁽²⁾			
		P90-050	50	45	39	90.0%			
		P90-075	75	68	59	90.0%			
		P90-100	100	90	78	90.0%			
<p>(1) 1000 Btu/hr (British Thermal Units Per Hour)</p> <p>(2) Heating Capacity and AFUE (Annual Fuel Utilization Efficiency) are based on DOE (Department of Energy) test procedures.</p> <p>(3) Net AHRI Ratings based on piping and pickup allowance of 1.15. Contact Technical Support before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.</p>									
<p>General Information (See Installation, Operation and Maintenance Manual for complete instructions)</p>									
		<p>Clearances (4) Required distances measured from boiler. (5) Service, proper operation clearance recommendation.</p>	<p>Combustible Materials (Required) ⁽⁴⁾</p>		<p>Service ⁽⁵⁾</p>				
			Top		8" (204 mm)				
			Left Side		N/A				
			Right Side		N/A				
			Base		N/A				
			Front		24" (610 mm)				
			Back		N/A				
Combustion Air/Vent Piping		N/A							
<p>Combustion Air & Vent Pipe Equivalent Length (Schedule 40 PVC)</p>		<p>2" Pipe 050/075</p>		<p>2" Pipe 100</p>		<p>3" Pipe 050/075</p>		<p>3" Pipe 100</p>	
		Min. Length		2 Ft. (0.61 m)		20 Ft. (6.09 m)		15 Ft. (4.57 m)	
		Max. Length		26 Ft. (7.92 m)		21 Ft. (6.40 m)		112 Ft. (34.14 m)	
<p>Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.</p>									
<p>Connections</p>		Return/Supply Water	Gas In	Condensate Drain					
<p>050/075/100</p>		1-1/4" NPT	1/2" NPT	1/2" NPT					
<p>Electrical</p>		120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)							
<p>Water Content</p>		050/075/100 - 2.6 Gallons							
<p>Standard Equipment</p>		<ul style="list-style-type: none"> - Boiler Control Module: HSI Integrated Boiler Control - Combination Hydrolevel High Limit and LWCO with boiler water temperature reset feature - Heat Exchanger: Cast Aluminum Heat Exchanger - Combustion: Stainless Steel Premix Burner - Induced Draft Blower with adjustable exhaust (front, right side or rear), Inducer Motor Assembly, includes 5' schedule 80 2" CPVC and CPVC Tee - Electrical: Junction Box, Transformer and Wiring Harness - Textured painted steel jacket - Other: Temperature/Pressure Gauge, 30 PSI Safety Relief Valve, Pressure Switch(es), Low Profile Condensate Trap, Air Vent and Leveling Legs 							
<p>Options</p>		Natural Gas or Propane							
<p>Model</p>		<p>Ship Wgt.</p>		<p>Certifications</p> <p>50 psi MAWP</p>					
<p>P90-050</p>		<p>220 lbs. (100 kg)</p>							
<p>P90-075</p>		<p>220 lbs. (100 kg)</p>							
<p>P90-100</p>		<p>220 lbs. (100 kg)</p>							

All ratings and specifications subject to change.

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