

# Residential Gas Fired Condensing Water Boiler

**PENNCO**   
**SILVER**  
CAST ALUMINUM

**P90** Series  
Gas Fired Condensing 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 zone

**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

**15 Year Limited Residential Warranty**

**Pennco SILVER makes *Simple Comfort, Affordable.***

www.pennco boilers.com  
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# P90 Series



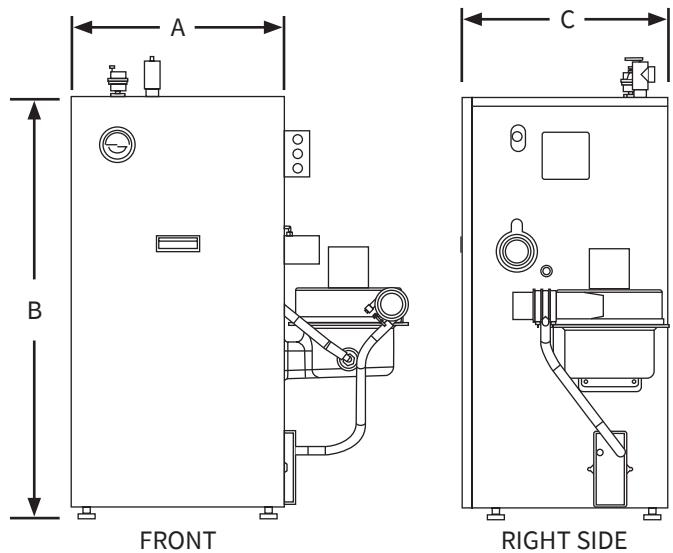
## Gas-Fired Condensing Water Boiler

### Standard Equipment:

- 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, rear) Induced Motor Assembly includes 5' schedule 80, 2" CPVC and CPVC Tee
- Electrical: Junction Box, Transformer and Wiring Harness
- Other: Temperature/Pressure Gauge. 30 PSI Safety Relief Valve, Pressure Switch(es), Low Profile Condensate Trap, Air Vent and Leveling Legs.
- Options: Natural Gas or Propane

### Connections:

- Gas Inlet: 1/2"
- Supply & Return Tappings: 1 1/4"
- Condensate Drain: 1/2"
- Electric service to be 120 Volts, 15 Amps, 60 Hz.  
(15 amp circuit recommended)



### Specifications:

| MODEL   | Input MBH <sup>(1)</sup> | Heating Capacity MBH <sup>(1)(2)</sup> | Net Water MBH <sup>(1)(3)</sup> | Efficiency AFUE <sup>(2)</sup> | Vent Pipe Size <sup>(4)</sup> | Water Content Gallons | - A - Width | - B - Height | - C - Depth | Ship Weight |
|---------|--------------------------|--|---------------------------------|--------------------------------|-------------------------------|-----------------------|-------------|--------------|-------------|-------------|
| P90-50  | 50                       | 45                                     | 39                              | 90%                            | 2" or 3"                      | 2.6                   | 17-3/4"     | 36-1/4"      | 17-3/8"     | 220 lbs.    |
| P90-75  | 75                       | 68                                     | 59                              | 90%                            | 2" or 3"                      | 2.6                   | 17-3/4"     | 36-1/4"      | 17-3/8"     | 220 lbs.    |
| P90-100 | 100                      | 90                                     | 78                              | 90%                            | 2" or 3"                      | 2.6                   | 17-3/4"     | 36-1/4"      | 17-3/8"     | 220 lbs.    |

(1) 1000 Btu/hr (British Thermal Units Per Hour)

(2) Heating capacity and AFUE (Annual Fuel Utilization Efficiency) are based on DOE (Department of Energy) test procedures.

(3) Net AHRI Ratings based on piping and pickup allowance or 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.

(4) Refer to IOM and vent pipe manufacturer's instructions for equivalent lengths and approved venting materials.

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50 psi MAWP



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All specifications subject to change without notice.  
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