

# Residential Water Boilers

**PENNCO**   
**SILVER**  
CAST IRON BOILERS

**KWC** Series  
Oil-Fired Hot Water Boiler



**The Pennco KWC Series Boiler is an Affordable Oil-Fired Home Heating Solution**

## **Quality Heat Exchanger Design:**

The KWC Series features a dependable cast iron heat exchanger with cast iron push nipples. The sections and push nipples expand at the same rate when heated. By using similar materials instead of less expensive gaskets or materials, the boiler maintains a water tight seal.

## **Efficiency:**

The KWC Series provides an annual fuel utilization efficiency (AFUE) of up to 86.2% as certified by the US Department of Energy.

## **Residential Warranty:**

20 Year Limited Warranty (Residential)

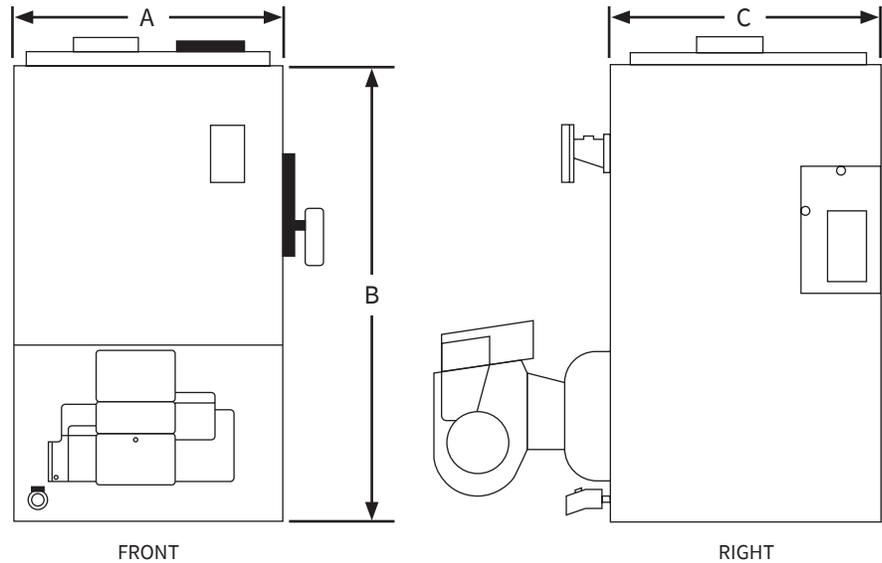
**Pennco SILVER makes *Simple Comfort, Affordable.***

[www.pennco boilers.com](http://www.pennco boilers.com)  
PN 240009812 [01/21/21]

## Oil-Fired Hot Water Boiler

### Standard Equipment:

- Assembled boiler with insulated jacket
- Completely installed and wired Beckett AFG Series Oil Burner equipped with:
  - Oil Nozzle
  - Primary Control
  - CAD Cell
  - PSC Motor
  - Interrupted Duty Ignition and Clean Cut Pump
- Flue Brush
- Target Wall (Vacuum Formed Refractory Ceramic Fiber)
- DuraBlanket Insulation Chamber
- Barometric Draft Control 6"
- Combination Temperature/Pressure gauge
- Pre-wired 5' pump harness for supply or return mounting in the field
- 3/4" Boiler Drain Valve
- 30 psi ASME Relief Valve



### Specifications:

Model	Firing Rate GPH	Input MBH <sup>(1)</sup>	Heating Capacity MBH <sup>(1)(2)</sup>	Net AHRI Rating Water MBH <sup>(1)(3)</sup>	AFUE <sup>(2)</sup>	Dimensions (Inches)			Min. Chimney Size/Height <sup>(5)</sup>	Number of Burners	Tankless Rating GPM <sup>(4)</sup>
						- A - Width	- B - Height	- C - Depth			
3KWC0.80(T)	0.80	112	98	85	86.0%	20 1/2"	36"	14 1/2"	8"x8"x15'	3	3.05
4KWC1.00(T)	1.00	140	122	106	86.2%	20 1/2"	36"	17 3/4"	8"x8"x15'	4	3.25
4KWC1.25(T)	1.25	175	152	132	86.0%	20 1/2"	36"	17 3/4"	8"x8"x15'	4	3.50
5KWC1.55(T)	1.55	217	189	164	86.0%	20 1/2"	36"	21"	8"x8"x15'	5	3.80

(1) MBH = 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 procedure.

(3) Net AHRI ratings shown are based on piping allowance of 1.15. Consult manufacturer before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

(4) Capacity GPM applies to (T) models with a tankless coil (T).

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

[www.pennco boilers.com](http://www.pennco boilers.com)



**ECR International, Inc.** 2201 Dwyer Avenue, Utica, NY 13501  
Tel. 800 253 7900  
[www.ecrinternational.com](http://www.ecrinternational.com)



All specifications subject to change without notice.  
©2021 ECR International, Inc.  
PN 240009812 Rev. [01/21/21]