

Advantage® Oil Fired Water Boiler

ADVANTAGE® CAST IRON BOILERS

Features

- A rugged wet-base heat exchanger design
- Three physical sizes with seven firing rates
- Cast-iron burner swing-open door for easy access
- Post purge control burners
- Available with and without tankless coil
- 3-prong quick disconnect for easy service
- Attractive split jacket easily removed for servicing
- Taco 007e ECM High Efficiency Circulator pump
- Barometric damper
- ASME safety relief valve
- Fuel Smart HydroStat® 3250 control
 - Temperature Limit Control: Designed for cold start and tankless coil boilers
 - Low Water Cut-Off: Provides protection against potentially dangerous low water conditions
 - Boiler Reset Control: Utilizes Thermal Targeting™ technology to conserve fuel by monitoring heating demand and establishing target boiler temperatures below the high limit setting
- Optional outdoor reset with sensor part #48-140
- USA made
- Limited lifetime warranty



Available in heating capacities from 80,000 to 241,000 BTU/hour.

The PurePro® Advantage Oil Boiler is a residential, cast-iron, oil-fired water boiler designed for installation with a standard chimney. It is available in heating capacities from 80,000 to 241,000 BTU/hr. for most firing rates.

With its limited lifetime warranty, the Advantage sets the standard for installer-ready oil fired boilers with post purge control. The Advantage is available with a Beckett AFG Burner, and comes standard with a Taco 007e ECM High Efficiency Circulator pump and Hydrolevel HydroStat 3250 which combines Temperature Limit Control, LWCO and Boiler Reset in one easy-to-use control.

The Advantage is available with an optional front mounted tankless coil for Domestic Hot Water needs.

Abundant, Rapid Hot Water Heating

PurePro offers a complete line of indirect water heaters to complement the Advantage boiler. By utilizing the boiler as its heat supply, the burner fires only when necessary and transfers heat from the boiler to the water heater through a highly efficient heat exchanger.



Specifications

Advantage Oil Boiler Model #	No. Sections	DOE Heating Capacity (btu/hr)	IBR Net Rating (btu/hr)	Burner Capacity GPH	AFUE (%)	Tankless Heater GPM	Chimney Size In. x In. x Ft.	Dimension (Inches)		Flue Collar Diameter (Inches)	Shipping Weight (Approx.)
								A	B		
PROAO(T)-3LPP	3	80,000	70,000	0.65	86.1	2.75	8 x 8 x 15	17-3/8	8-1/4	6	560
		92,000	79,000	0.75	86.0	3	8 x 8 x 15	17-3/8	8-1/4	6	560
		120,000	104,000	1.00	84.3	3.25	8 x 8 x 15	17-3/8	8-1/4	6	560
PROAO(T)-4LPP	4	151,000	132,000	1.25	85.1	3.75	8 x 8 x 15	22-3/8	10-7/8	7	680
		179,000	156,000	1.50	84.0	4	8 x 8 x 15	22-3/8	10-7/8	7	680
PROAO(T)-5LPP	5	212,000	183,000	1.75	85.1	4.25	8 x 8 x 15	27-3/8	13-3/8	8	800
		241,000	207,000	2.00	84.7	4.75	8 x 8 x 15	27-3/8	13-3/8	8	800

Ratings with Energy Star Kit

Boiler Series	With Energy Star Kit	DOE Heating Capacity	Burner Capacity (GPH)	Burner Capacity (MBH)	Net AHRI Water Ratings (MBH)	AFUE (%)
PROAO(T)-3LPP	PRO106388-03	80,000	0.65	91	70	88.1
	PRO106388-03	92,000	0.75	105	80	87.8
PROAO(T)-4LPP	PRO106388-04	152,000	1.25	175	132	87.1
PROAO(T)-5LPP	PRO106388-05	148,000	1.20	168	129	87.5

Front-mounted Tankless Coil available in these model numbers: PROAOT-3, PROAOT-4, PROAOT-5

Burner Part Numbers

Mfr. #	Description
PRO107487-01	Beckett AFG - 3 Section Burner
PRO107489-01	Beckett AFG - 4 Section Burner
PRO107491-01	Beckett AFG - 5 Section Burner
PRO107488-01	Carlin EZ Oil - 3 Section Burner
PRO107490-01	Carlin EZ Oil - 4 Section Burner
PRO107486-01	Carlin EZ Oil - 5 Section Burner

Constructed and tested in accordance with ASME Boiler Code, Section IV. A limited lifetime warranty is provided for the cast iron heat exchanger.

Supply and return piping connection is 1 1/2" - all sizes

- Specifications and dimensions are subject to change without notice.
- Consult factory if unusual piping or pickup requirements exist.
- The Net I=B=R Water Ratings shown are based on a piping and pickup allowance of 1.15.
- Firing rate in GPH based on having a heat value of 140,000 BTU/GAL.

Energy Star Kit Part Numbers

Mfr. #	Description
PRO106388-03	Energy Star Kit, 3-Section Advantage Oil, PROAO(T)-3
PRO106388-04	Energy Star Kit, 4-Section Advantage Oil, PROAO(T)-4
PRO106388-05	Energy Star Kit, 5-Section Advantage Oil, PROAO(T)-5

Materials Provided in High Efficiency Kits

- Field Controls Oil Vent Damper System (OVD)
 - For AO(T)-3 (Field Controls P/N OVD-6)
 - For AO(T)-4 (Field Controls P/N OVD-7)
 - For AO(T)-5 (Field Controls P/N OVD-8)
- Conversion Rating Label
- Energy Guide Label
- ENERGY STAR Label
- Supplemental Installation Instructions

