

# Advantage Gas-Fired Direct Vent Water Boiler

PurePro®

## ADVANTAGE® CAST IRON BOILERS

### Features

- A rugged cast-iron heat exchanger design
- Available in four sizes
- Direct vent or Power vent
- Approved for closet applications
- Taco 007e ECM circulator
- ASME safety relief valve
- Supply manifold
- T&P gauge
- Flame roll-out switch
- Fuel Smart HydroStat® 3200 control
  - Temperature Limit Control: Designed for cold start 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
- Stainless steel burners
- USA made
- Limited lifetime warranty



With inputs from 63,000 to 175,000 BTU/hour.

The PurePro® Advantage® Direct Vent gas boiler is a residential, cast-iron, gas-fired water boiler, designed for applications where chimneys are not available. Advantage Direct Vent can be direct vented (sealed combustion) using fresh air from outside or it can be used in power vent applications where combustion air is taken from the household.

It is available with inputs from 63,000 to 175,000 BTU/hour, and is available for use with Natural or LP gas.

The PurePro Advantage Direct Vent sets the standard for installer-ready gas fired boilers. With its limited lifetime warranty, the

Advantage Direct Vent comes standard with intermittent ignition, a Taco 007e ECM circulator, and HydroStat 3200 control which combines temperature limit control, low water cut-off and boiler reset in one easy-to-use control. This user friendly control is easily accessible, making the Advantage Direct Vent gas boiler simple to install and service.

## 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 Direct Vent Gas Boiler Model #	Input Mbh	Heat Capacity Mbh	Net AHRI Rating, Water Mbh	AFUE (%)	Vent Size AL29-4C Stainless	Dimension "A"	Dimensions	Shipping Weight (Approx.)
<b>Natural Gas Models</b>								
AGDV3-EN	70	60	52	85	3	12.75"	W-12.75", H-37.75", D-26.5"	240
AGDV4-EN	105	90	78	85	3	15.50"	W-15.5", H-37.75", D-26.5"	290
AGDV5-EN	140	120	104	85	3	18.50"	W-18.5", H-37.75", D-26.5"	340
AGDV6-EN	175	150	130	85	3	21.50"	W-21.5", H-37.75", D-26.5"	395
<b>Propane Gas Models</b>								
AGDV3-EP	63	54	47	85	3	12.75"	W-12.75", H-37.75", D-26.5"	240
AGDV4-EP	94.5	81	70	85	3	15.50"	W-15.5", H-37.75", D-26.5"	290
AGDV5-EP	126	108	94	85	3	18.50"	W-18.5", H-37.75", D-26.5"	340
AGDV6-EP	157.5	135	117	85	3	21.50"	W-21.5", H-37.75", D-26.5"	395

Boilers are shipped in a Powervent configuration, Direct Vent kit is included with boiler for field installation, if required. Approved vent material is 3" AL29-4C stainless. Screened termination fitting is required, not included.

### Fuel Conversion Kit(s)

Mfr. #	Description
PRO110858-01	Natural to LP 3-6 Section
PRO110862-01	LP to Natural 3-6 Section

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 1-1/4" – all sizes  
Gas valve tapping is 1/2" – all sizes

#### Notes:

- Vent pipe minimum clearance to combustible material is four (4) inches when vent is installed in a fully enclosed chased application or three (3) inches when vent is installed with at least one side open, similar to a joist bay application.
- Use double wall thimble when penetrating a combustible wall.
- 18 inch clearance required for closet installation. 4 inch clearance required for open installation.
- Area of each opening, 1 sq. inch for each 1000 btuh input with a minimum of 100 sq. inches. height of opening should be half the width.

### Optional Equipment

Mfr. #	Description
BUR61106012	Concentric Horizontal Vent Termination Kit
PRO8110701	Miter Vent Termination Fitting

