The TRIO® Cast Iron boiler by PurePro® combines high efficiencies, convenient serviceability, and low mass European 3-pass Technology.

It is constructed of GG20-rated cast iron for Thermal Shock Protection and durability.

The TRIO boiler’s state-of-the-art design includes recirculating flue gas technology for reduced emissions.

The TRIO boiler comes standard with a Hydrolevel 3250 Hydrostat, which combines Temperature Limit Control, LWCO and Boiler Reset in one easy-to-use control.

The optional PurePro Energy Manager Plus II integrates a five-zone relay board, boiler aquastat, low water cutoff, and boiler reset. This simple-to-use control comes completely pre-wired.

The PurePro Energy Manager Plus II features the Honeywell AQ25042B multiple zone control and the Hydrolevel 3250 HydroStat. The HydroStat 3250 uses Thermal Targeting to match the heat load and boiler water temperature.

To further enhance fuel efficiency, the fuel smart HydroStat is also equipped with a thermal pre-purge feature. When activated, the control will purge standing heat in the boiler at the start of any thermostat call, supplying the free latent energy to the heating zone that is calling.

**Features**

- 3-pass wet base European design
- Energy Star rated for high efficiency to 87%
- Multi-fuel (oil or gas)
- Low mass, low water content
- Lightweight: small footprint
- Direct vent capability, no chimney needed (P3–P5)
- Available burners: Beckett AFG and NX; Riello F5 and BF5; Carlin EZ; and Carlin EZ Gas
- Quick-disconnects on all burner harnesses
- Total access: full-swing left or right hinged door for complete accessibility
- Fuel Smart Hydrostat® 3250 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

- Remote sensor and immersion well
- ASME safety relief valve
- Strongbox crating system
- Limited lifetime warranty
### Specifications

<table>
<thead>
<tr>
<th>PurePro Boiler Model #</th>
<th>Firing Rate (#2 Fuel)</th>
<th>PurePro Burner Model #</th>
<th>Burner</th>
<th>Nozzle</th>
<th>Input (BTU/hr)</th>
<th>DOE Capacity (BTU/hr)</th>
<th>NET IBR (BTU/hr)</th>
<th>Net Rating (Sq. ft.)</th>
<th>AFUE Rating</th>
<th>Water Capacity</th>
<th>Shipping Weight</th>
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<tbody>
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<td>707719, 707724, 707740, 707730, 705551</td>
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<td>91,000</td>
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**Optional Components:**

PurePro offers a complete line of 41- and 80-gallon indirect-fired water heaters to complement the TRIO boiler. Ask about the Plug ‘n Go PLUS, the only pre-piped, pre-wired, packaged indirect water heaters in the industry!

**P3, P4, & P5 Boiler Base – Part # 707700**

- For zone valve operation only
- Taco 007, includes flanges
- 9’ long whip with Quick Connect feature

**System Circulator Package – Part # 707630**

- Boiler Header System with 3 pre-installed zone valve bodies and an additional high flow port for an indirect water heater.

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