

# TRIO Commercial Cast Iron Boiler



## CAST IRON BOILERS

### Features

- 3-Pass wet base Euro design
- Manufactured with corrosion and thermal shock resistant GG20 cast-iron
- 58 PSI cast-iron construction
- Easy-access full open reversible swing out door for easy access to combustion area
- Super-efficient, 3-pass flue/heat exchanger, does not require refractory material in chamber area
- Low mass and Low water volume
- Multi-fuel capability; Oil, Nat. Gas & Propane
- Extra heavy 3" insulation for low jacket & standby losses
- 19½" wide block allows for easy access through standard size doorways
- ASME listed
- 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

The TRIO® Commercial boiler by PurePro® with its highly efficient, 3-Pass design offers multi-Fuel flexibility by using either oil or gas burners. Our GG20 cast-iron block, with its 58 PSI rating and easy access swing door, is unsurpassed in durability and efficiency, providing years of trouble-free operation.

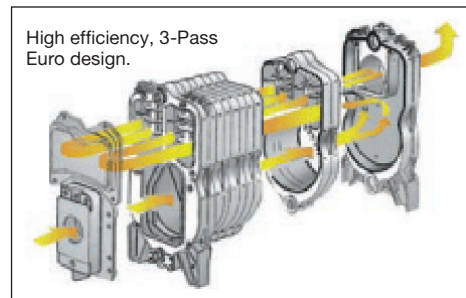
There are 7 models ranging from 240 to 629 MBH, which are suitable for commercial or multi-unit buildings. We have tested our systems extensively and are ASME certified.

The TRIO Commercial heat exchanger path is up to 15 feet in length, and the 3-pass design heats more surface area per gallon burned, with 25% less heat lost than pin-type boilers.

Industry leading 20 year  
Limited Warranty



Shown with Riello Burner



High efficiency, 3-Pass  
Euro design.

## PurePro Energy Manager Plus II

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.

FuelSmart  
HydroStat 3250



Boiler Mount

5 year  
Warranty

## Specifications

Boiler / Jacket / Trim / Package #	Firing Rate (#2 Fuel)	Oil Burner Model	Oil Burner Part #	Gas Burner Model	Gas Burner Part #	Net Output (BTU/hr)	Net Output (Sq. ft.)	Water Capacity (gal.)	Shipping Weight (RELS)
PC6230 (Assembled Block)	2.30	Riello F10	706016	Beckett CG10	706016	240,000	1600	17	1170
PC7290 (Assembled Block)	2.90	Riello F15	706017	Beckett CG10	706027	30,6000	2040	20	1300
PC8350 (Assembled Block)	3.50	Riello F15	706017	Beckett CG10	706028	370,000	2465	23	1435
PC9410 (Assembled Block)	4.10	Riello F15	706017	Beckett CG10	706029	436,000	2910	26	1540
PC10470KD (Unassembled Block)	4.70	Riello F15	706017	Beckett CG10B	706030	500,000	3335	29	1660
PC11530KD (Unassembled Block)	5.30	Riello F20	706021	Beckett CG10B	706031	564,000	3760	32	1785
PC12590KD (Unassembled Block)	5.90	Riello F20	706021	Beckett CG10B	706032	629,000	4195	35	1900

## Specifications

Boiler Model #	Oil Input BTU/hr	Oil Combustion Efficiency	Oil Output BTU/hr	Gas Input BTU/hr	Gas Combustion Efficiency	Gas Output BTU/hr
PC6230	322,000	85.7	276,000	322,000	83.2	268,000
PC7290	406,000	86.7	352,000	406,000	84.2	342,000
PC8350	490,000	86.9	426,000	490,000	84.4	413,500
PC9410	574,000	87.3	501,000	574,000	85	487,900
PC10470	658,000	87.3	575,000	658,000	85	559,300
PC11530	742,000	87.4	649,000	742,000	85.1	631,400
PC12590	826,000	87.5	723,000	826,000	85.2	703,700

## Commercial Parts Kit

(Standard w/all boilers)

- 1/2" x 1/4" Bushing
- 3/4" Street Elbow
- 30 PSI Relief Valve
- 3/4" x 6" Nipple
- 3/4" x 5" Nipple
- 3/4" Elbow
- 2 1/2" x 2 1/2" x 3/4" Tee (1)
- 2 1/2" Elbow
- 2 1/2" x 8" Nipple
- 2 1/2" x 4" Nipple
- T & A Gauge
- 3/4" Drain Valve
- HydroStat 3250 Aquastat
- Immersion Well
- 10' Temperature Probe
- L4006E1109 B 130 to 240°F
- 3/4" standard well
- Ground Wire
- Stainless floor blanket

## Dimensions

Boiler Model #	PC6230	PC7290	PC8350	PC9410	PC10470	PC11530	PC12590
Cabinet Height	41-1/8"	41-1/8"	41-1/8"	41-1/8"	41-1/8"	41-1/8"	41-1/8"
Cabinet Width	25-3/8"	25-3/8"	25-3/8"	25-3/8"	25-3/8"	25-3/8"	25-3/8"
Cabinet Length	37-1/2"	42-1/4"	46-7/8"	51-3/4"	56-3/8"	61-1/8"	65-7/8"
Bare Boiler Block Length	34-3/8"	39-1/8"	43-3/4"	48-1/2"	53-3/8"	58"	62-3/4"
Bare Boiler Block Width	19"	19"	19"	19"	19"	19"	19"
Supply Outlet Size NPT	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
Supply Outlet Height C.L.	34-1/8"	34-1/8"	34-1/8"	34-1/8"	34-1/8"	34-1/8"	34-1/8"
Return Size NPT	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
Return Outlet Height C.L.	3-7/8"	3-7/8"	3-7/8"	3-7/8"	3-7/8"	3-7/8"	3-7/8"
Flue Outlet Diameter	8"	8"	8"	8"	8"	8"	8"
Flue Outlet Height C.L.	34-1/4"	34-1/4"	34-1/4"	34-1/4"	34-1/4"	34-1/4"	34-1/4"



Superior serviceability.  
Complete access to all three passes.

