

# Burnham Series 2<sup>™</sup>

### Gas Fired, Chimney Vented, Cast Iron Water Boiler

- 82% AFUE
- Solid, reliable, time tested cast iron boiler with "out-of-the-box" simplicity
- Electronic ignition
- Equipped with Intelligent Hydronic Control
- 37 299 MBH (10 sizes)
- Direct replacement for thousands of existing boiler installations
- Lifetime limited warranty

#### Intelligent Hydronic Control Features

• Combines high limit, relay, and ignition functions into a single module



Intelligent

• Two customizable integrated switching

relays for easy addition of additional heating zone or indirect water heater with priority

- Energy saving "thermal purge", which works by circulating residual warm water (140°F or above) in the heating system before firing the boiler
- LED display for boiler status and diagnostic codes



- Lower replacement cost
- Wiring harness connectors designed to prevent mis-wiring
- Easily add LWCO and auxiliary high limit accessories by plugging components into control no additional wiring required
- Extensively tested and proven in thousands of existing installations

## Series 2: Technical Information



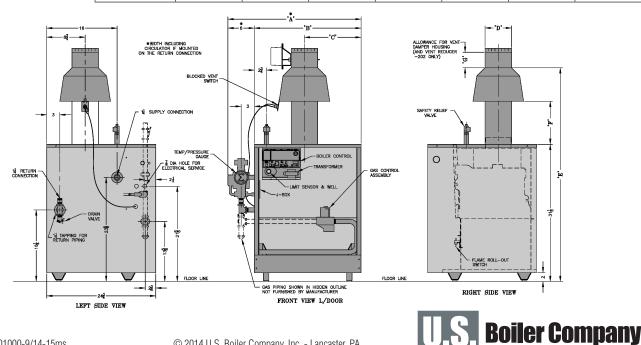
#### Standard Equipment

- · Insulated jacket
- Base assembly, includes; •
- 100% shut-off combination step-opening redundant gas valve with regulator section
- Stainless steel burners
- Pilot burner
- Flame roll-out switch
- Intelligent Hydronic Control (IHC)
- Taco or Grundfos circulator with piping and 5' wiring • harness
- Cast iron section assembly
- Boiler drain valve
- High limit control included in IHC •
- Transformer/relay control included in IHC •
- Resettable blocked vent switch •
- Safety relief valve •

Series 2 Ratings & Specifications											
Model	AFUE%	Input (MBH)	DOE Heating Capacity (MBH)	Net AHRI* (MBH)	Vent Size (Inches)	Approx. Shipping Weight. (Ibs.)					
202	82.3	37.5	31	27	3	212					
202X	83.2	50	42	37	4	262					
203	82.6	62	52	45	4	262					
204	82.3	96	80	70	5	306					
205	82.0	130	108	94	6	354					
206	82.0	164	136	118	6	414					
207	82.0	198	163	142	7	458					
208	82.0	232	191	166	7	514					
209	82.0	266	219	190	8	550					
210	82.0	299	246	214	8	608					

When ordering, add suffix 'N' for natural gas, or 'P' for propane. Water only, 30 PSI maximum working pressure. For elevations above 2000 feet, reduce ratings four percent (4%) per 1000 feet above sea level. \*Net AHRI Water Ratings shown based on a piping and pickup allowance of 1.15. Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

Burnham	Series 2 Dimensions (inches)									
Series 2	Model	A	В	C	D	E	F	G		
	202	18-3/4	10-3/4	6-3/8	4	45-1/2	8-1/2	10 (1)		
U.S. Boiler Company	202X	20	12	6	4	45-1/2	8-1/2	4-3/4		
	203	20	12	6	4	45-1/2	8-1/2	4-3/4		
	204	23-1/4	15-1/4	7-5/8	5	47-1/8	9-1/8	4-3/4		
	205	26-1/2	18-1/2	9-1/4	6	48-1/2	9-3/4	5-1/4		
	206	29-3/4	21-3/4	10-7/8	6	48-1/2	9-3/4	5-1/4		
	207	33	25	12-1/2	7	50-1/8	10-3/8	6-5/8		
(1) 000 anthe Dimension (0) includes	208	36-1/4	28-1/4	14-1/8	7	50-1/8	10-3/8	6-5/8		
(1) 202 only. Dimension 'G' includes allowance for 4" x 3" reducer (furnished	209	39-1/4	31-1/2	15-3/4	8	52	11	7-1/4		
with boiler)	210	42-3/4	34-3/4	17-3/8	8	52	11	7-1/4		



Form No. PL81401301000-9/14-15ms Printed in the U.S.A

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