

# Thermoflo

# GWA

Series 2

**Factory -Packaged**

**52,000 to 245,000 Btuh Input**

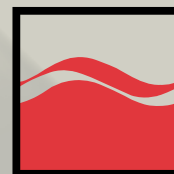
**Natural Gas or Propane**

**Atmospheric (chimney) Venting**



## Gas-Fired Water Boiler

- Inferred heat program providing automatic adjustment of boiler water temperature to match demand
- Spark (intermittent) pilot system
- Control module with indicator lights
- Easy service
  - One-piece access door
  - All controls in easy reach
- High efficiency
  - Flue baffles
  - Stainless steel burners
  - Automatic vent damper
- Cast iron sections with built-in air separator
- Insulated heavy-gauge steel jacket



# Thermoflo

# RATINGS

Model	Input (Btuh)	AHRI Certified Ratings			Boiler water content (gallons)	Chimney and breeching size	Circulator flange size (Recommended supply & return pipe size, NPT)
		Heating Capacity (Btuh) (1)	Net Ratings (Btuh) (2)	AFUE % (1)			
GWA-052	52,000	43,000	37,000	83.0	1.5	4" I.D. x 20"	3/4"
GWA-070	70,000	58,000	50,000	83.0	1.5	4" I.D. x 20"	1"
GWA-105	105,000	88,000	77,000	83.0	2.1	5" I.D. x 20"	1"
GWA-140	140,000	117,000	102,000	82.5	2.7	6" I.D. x 20"	1"
GWA-175	175,000	145,000	126,000	82.2	3.3	6" I.D. x 20"	1 1/4"
GWA-210	210,000	175,000	151,000	82.4	3.8	7" I.D. x 20"	1 1/4"
GWA-245	245,000	202,000	176,000	82.2	4.4	7" I.D. x 20"	1 1/2"

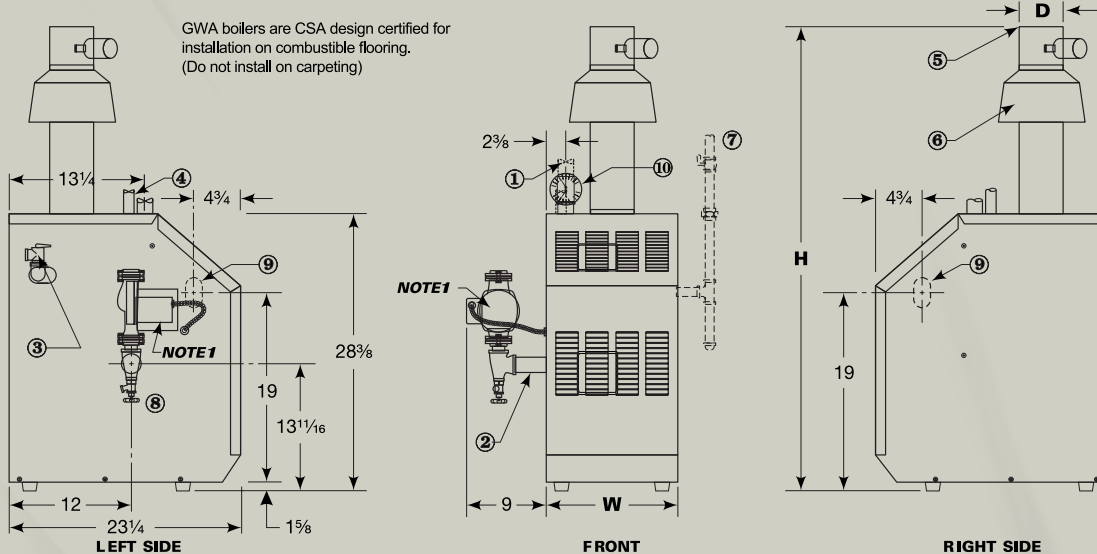
1. Based on standard test procedures prescribed by the United States Department of Energy.

2. Net AHRI ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing need be added for normal piping and pickup. Ratings are based on a piping and pickup allowance of 1.15. An additional allowance should be made for unusual piping and pickup loads.

\* Contact your local dealer regarding information and parts for high altitude applications.

# DIMENSIONS

ALL DIMENSIONS IN INCHES



Boiler Model	Dimensions		
	W Width	H Height over vent damper	D Flue diameter
GWA-052	10	45 3/8	4
GWA-070	10	52 3/8	4
GWA-105	13	54 3/8	5
GWA-140	16	57 7/8	6
GWA-175	19	60 7/8	6
GWA-210	22	62 1/8	7
GWA-245	25	64 7/8	7

- ① Supply piping (Note 1)
- ② Return piping (Note 1)
- ③ Relief valve, 3/4" NPT
- ④ 1/2" NPT to expansion tank/air vent
- ⑤ Vent connection to vent damper
- ⑥ Draft hood
- ⑦ Gas supply piping
- ⑧ Drain valve
- ⑨ Gas supply entrance (right or left side)
- ⑩ Pressure/temperature gauge

Note 1: Boiler supply and return tappings are 1 1/4" NPT. Circulator flanges shipped with boiler are sized to recommended pipe size listed in RATINGS table, above.

Boiler circulator is shipped loose. Circulator may be mounted on either boiler supply or return piping.

## EQUIPMENT

- Factory tested
- Insulated heavy-gauge steel jacket
- Cast iron sections with built-in air separator
- Vertical draft hood
- Electrical junction box
- 24-VAC combination gas valve
- Combination relay receptacle and 40VA transformer and plug-in circulator relay
- Taco 007 circulator
- Stainless steel burners
- High temperature limit control
- Automatic vent damper
- 30 PSIG ASME relief valve
- Combination pressure/temperature gauge
- Spark-ignited (intermittent) pilot system
- Electronic ignition/flame supervisory control

## WARRANTY

- Limited lifetime warranty on heat exchanger
- 1-year limited warranty on parts
- Optional 5 - or 10-year parts and labor warranty



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In the interest of continual improvement in product and performance, Thermoflo reserves the right to change specifications without notice.

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