WEIL-McLAIN®
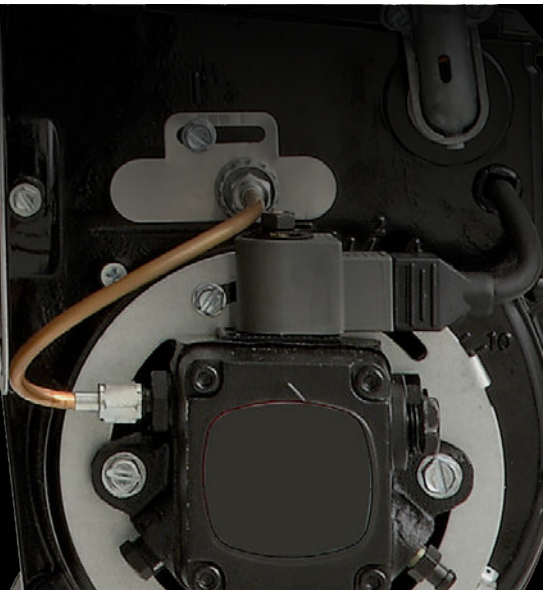www.weil-mclain.com

WGO™
GOLD SERIES OIL BOILER
Water without Tankless Heater | Chimney Vent | 86-295 MBH
Series 3 | Efficiency 85-87%*

- Durable cast iron heat exchanger design

- Easy to install and service

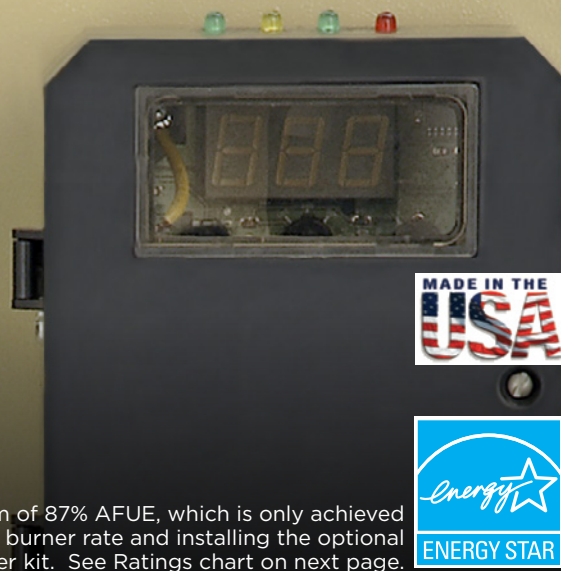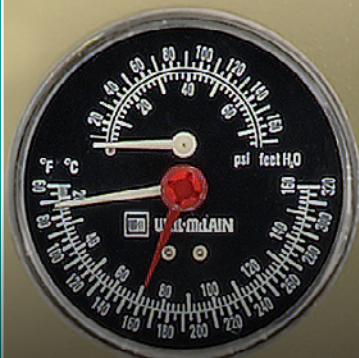- Made with Weil-McLain quality

HIGH EFFICIENCY CAST IRON BOILER
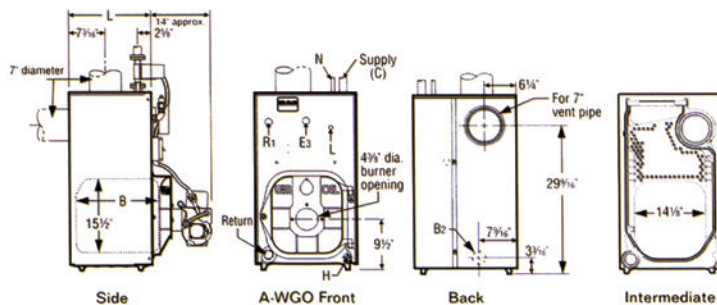
WGO™

GOLD SERIES OIL BOILERS

APPLICATIONS INCLUDE:

Residential
Light Commercial
Multiple Boilers
Indirect-fired Water Heating
Radiant Heating
...And Much More

MADE IN THE USA

ENERGY STAR *

*ENERGY STAR® requires a minimum of 87% AFUE, which is only achieved by these models by reducing the burner rate and installing the optional vent damper kit. See Ratings chart on next page.

DIMENSIONS

Side   A-WGO Front   Back   Intermediate

Tapping Location	Size (inches)	Control Tappings
B₂	1½	Alternate return — "A" units only
E₃	½	Pressure/temperature gauge
H	¾	Drain Valve
L	¾	High limit/circulator control
N	½	Piping to expansion tank or automatic air vent
R₁	¾	Relief valve

Model	Supply "C" (inches) P-WGO	Supply "C" (inches) A-WGO	Return (inches)	Dimension (inches) B	Dimension (inches) L
WGO-2	1 ¼ (circulator flange)	1 ½	1 ½	10 ½	13 ¾
WGO-3	1 ¼ (circulator flange)	1 ½	1 ½	13 ½	16 ⅞
WGO-4	1 ¼ (circulator flange)	1 ½	1 ½	13 ⅝	16 ⅞
WGO-5	1 ¼ (circulator flange)	1 ½	1 ½	16 ⅞	20
WGO-6	1 ¼ (circulator flange)	1 ½	1 ½	20	23 ⅛
WGO-7	not applicable	1 ½	1 ½	23 ⅛	26 ¼
WGO-8	not applicable	1 ½	1 ½	26 ¼	29 ⅜
WGO-9	not applicable	1 ½	1 ½	29 ⅜	32 ½

RATINGS

ENERGY STAR*	Model**	Burner Input Rating GPH (1)	Burner Input Rating MBH (3)	Heating Capacity (MBH) (2) (3)	AHRI Certified Ratings Net Ratings (MBH) (3) (4)	AHRI Certified Ratings AFUE (4)	Draft Loss Through Boiler (in w/c)	Minimum Chimney Size Rectangular (in.)	Minimum Chimney Size Round (in.)	Minimum Chimney Size Height (ft.)	Approx. Shipping Weight (Lbs)
*	WGO-2RD	0.70	98	86	75	87.0	.010	8X8	6	15	540
	WGO-2	0.70	98	86	75	86.4	.010	8X8	6	15	540
*	WGO-3RD	0.80	112	98	85	87.0	.010	8X8	6	15	595
	WGO-3	0.95	133	115	100	85.3	.020	8X8	6	15	595
*	WGO-4RD	1.00	140	123	107	87.0	.010	8X8	6	15	645
	WGO-4	1.20	168	145	126	85.0	.010	8X8	6	15	645
*	WGO-5RD	1.20	168	148	129	87.0	.015	8X8	7	15	760
	WGO-5	1.45	203	175	152	85.0	.015	8X8	7	15	760
*	WGO-6RD	1.40	196	173	150	87.0	.015	8X8	7	15	860
	WGO-6	1.75	245	212	184	85.0	.015	8X8	7	15	860
*	WGO-7RD	1.60	224	197	171	87.0	.015	8X8	8	15	930
	WGO-7	2.00	280	242	210	85.0	.015	8X8	8	15	930
	WGO-8	2.30	322	266	231	-	.025	8X12	8	20	1030
	WGO-9	2.55	357	295	257	-	.030	8X12	8	20	1135

*ENERGY STAR® compliant with Version 3.0 Boiler Specification of 87% AFUE only when installed at the reduced burner rate (R) and with the optional vent damper kit (D). Burners shipped with standard rate nozzle, reduced rates achieved through nozzle change-refer to burner instructions or boiler's rating label for correct selection.

In the interest of continual improvements in product and performance, Weil-McLain reserves the right to change specifications without notice.

WM1905_BRO_018_WGO

STANDARD EQUIPMENT:

- Factory Tested and Assembled Cast Iron Section Assembly (jacket and collector hood are not assembled on 7, 8, and 9 section blocks)
- Insulated Steel Jacket
- Aluminized Steel Flue Collector Hood with Flue Cap on Top Outlet (convertible to rear outlet)
- Swing-Away Burner Mounting Door
- Refractory Blanket and Target Wall in Combustion Area
- Circulator (when ordered)
  - Sizes 2–4: Taco 007e
  - Sizes 5–6: Taco 007
- High Limit Control with Circulator Relay, LWCO Function, and integrated service switch
- Two Vent Pipe Brackets
- Pressure/Temperature Gauge
- 30 PSIG ASME Relief Valve (boiler sections tested for 50 PSIG working pressure)
- Drain Valve
- Barometric Damper
- Built-in Air Separator

OPTIONAL EQUIPMENT:

- High-Efficiency Flame-Retention Oil Burner (Beckett AFG, Carlin EZ or Riello). Specify 2-Stage Fuel Unit (optional) if Required.
- Vent Damper Kit
- W-M 5 & 10 Year Homeowner Protection Plan
- W-M Indirect-Fired Water Heaters

NOTES:
** Add "P" for packaged boiler (WGO-2 through WGO-6 only). Add "A" for boiler only (WGO-2 through WGO-9).
(1) No. 2 fuel oil-Commercial Standard Specification CS75-56. Heating value of oil-140,000 BTU/Gal.
(2) Based on standard test procedures prescribed by the United States Department of Energy at combustion condition of 13.5% CO2 and -0.02" W.C. draft.
(3) MBH refers to thousands of BTU per hour.
(4) Net AHRI ratings are based on net installed radiation adequate for the requirements of the building, including a piping and pickup allowance of 1.15-sufficient for normal conditions. Provide additional allowance only for unusual piping and pick up loads.