WEIL-McLAIN®
Weil-McLain.com

WGO
CAST IRON OIL BOILER
Water without Tankless Heater | Oil | 98–357 MBH | 8 sizes
Series 4 | Chimney Vent | Up to 87% AFUE†





HIGH-EFFICIENCY CAST IRON BOILER

WGO

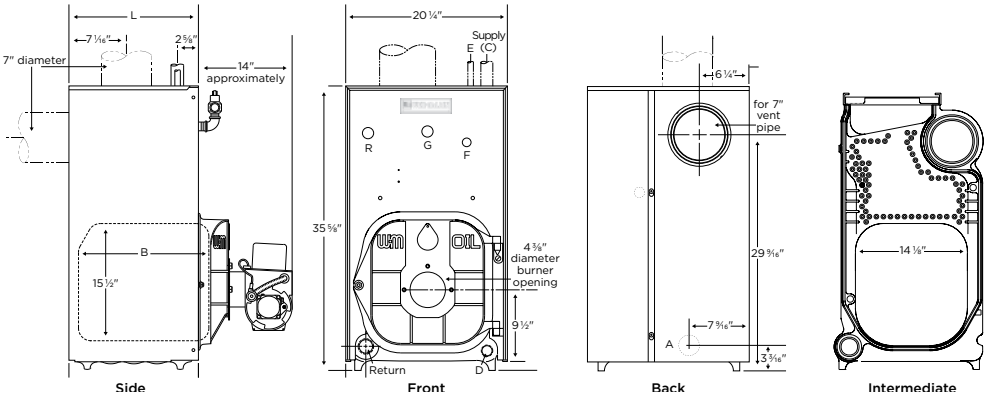
APPLICATIONS INCLUDE:
- Residential
- Light Commercial
- Multiple Boilers
- Indirect-fired Water Heating
- Radiant Heating

CAST TO LAST
HEAT EXCHANGER MADE IN THE USA

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

†Model Dependent

DIMENSIONS



Tapping Location	Size (in.)	Control Tappings
A	1½	Alternative return — semi packaged & knocked down units only
G	¼	Pressure/temperature gauge
D	¾	Drain valve
F	¾	High limit/circulator control
E	½	Piping to expansion tank or automatic air vent
R	¾	Relief valve

Boiler Size	Supply C (in.)		Return (in.)	Dimensions (in.)	
	Packaged with Circulator	Semi-Packaged & Knocked-Down		B	L
WGO-2	1¼ (circulator flange)	1½	1½	10½	13 ¾
WGO-3	1¼ (circulator flange)	1½	1½	13½	16⅞
WGO-4	1¼ (circulator flange)	1½	1½	13⅝	16⅞
WGO-5	1¼ (circulator flange)	1½	1½	16⅞	20
WGO-6	1¼ (circulator flange)	1½	1½	20	23⅛
WGO-7	not applicable	1½	1½	23⅛	26¼
WGO-8	not applicable	1½	1½	26¼	29⅜
WGO-9	not applicable	1½	1½	29⅜	32½

RATINGS

ENERGY STAR*	Model[4]	Burner Input Rating GPH[5]	Burner Input Rating MBH[5]	AHRI Certified Ratings Heating Capacity (MBH)[6,7]	AHRI Certified Ratings Net Ratings (MBH)[7,8]	AFUE	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-2	0.70	98	86	75	86.4	.010				540
*	**WGO-2RD**	0.70	98	86	75	87.0	.010				540
	WGO-3R	0.80	112	98	85	86.2	.020				595
*	**WGO-3RD**	0.80	112	98	85	87.0	.010		6		595
	WGO-3D	0.95	133	115	100	86.0	.020				595
	WGO-4R	1.00	140	122	106	86.2	.010				645
*	**WGO-4RD**	1.00	140	123	107	87.0	.010				645
	WGO-4D	1.20	168	146	127	86.0	.010				645
	WGO-5R	1.20	168	147	128	86.1	.015	8x8		15	760
*	**WGO-5RD**	1.20	168	148	129	87.0	.015				760
	WGO-5D	1.45	203	176	153	86.0	.015		7		760
	WGO-6R	1.40	196	171	149	86.1	.015				860
*	**WGO-6RD**	1.40	196	173	150	87.0	.015				860
	WGO-6D	1.75	245	213	185	86.0	.015				860
	WGO-7R	1.60	224	196	170	86.0	.015				930
*	**WGO-7RD**	1.60	224	197	171	87.0	.015				930
	WGO-7D	2.00	280	244	212	86.0	.015		8		930
	WGO-8	2.30	322	266	231	-	.025	8x12		20	1,030
	WGO-9	2.55	357	295	257	-	.030				1,135

Boiler order options include
Packaged boiler: Assembled block with jacket, collector hood and controls installed (order burner separately); sizes 2–6.
Semi-packaged boiler: Assembled block with jacket and collector hood installed (order burner and trim separately); sizes 2–6.
Knocked-down boiler: Assembled block, all other components are cartoned and shipped separately; all sizes.

AHRI CERTIFIED · ASME H · CSA C US · DOE · ENERGY STAR · ENGINEERED, DESIGNED & ASSEMBLED in the USA

WM2101_BRO_018_WGO

STANDARD EQUIPMENT:

BOILER

- 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, Beckett)* if required
- Vent damper kit
- Outdoor reset kit - temperature sensor *(wired version part #383-500-126, wireless version part #386-701-047)*
- Weil-McLain five- and ten-year homeowner protection plan
- Weil-McLain indirect-fired water heaters

LIMITED TRANSFERABLE WARRANTY:

- Residential: 20 Years Heat Exchanger; 2 Years Parts
- Commercial: 10 Years Heat Exchanger; 1 Year Parts

[4]Boiler model suffixes:

R = Reduced input version—a burner nozzle change may be required, refer to the burner instructions or boiler's rating label for correct selection. No separate/additional damper kit required.

D = High input version—installation of the separate High Input Vent Damper kit (part # 381800515) is required, also a burner nozzle change may be required, refer to the burner instructions or boiler's rating label for correct selection.

RD = ENERGY STAR 87% AFUE compliant only when installed with the separate ES Vent Damper kit (part numbers 381800501 through 381800506) and at the reduced burner rate.

[5]No. 2 fuel oil-Commercial Standard Specification CS75-56. Heating value of oil-140,000 BTU/Gal.

[6]Based on standard test procedures prescribed by the United States Department of Energy.

[7]MBH refers to thousands of BTU per hour.

[8]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.

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