WEIL-McLAIN

Oil-Fired Steam Boiler with larminess opening

an ISO 9001 Certified Company





OIL-FIRED Steam BOILER WITH TANKLESS HEATER OPENING

Ratings - (8 sizes)

354 - 921 SQ FT NET STEAM 0.95 - 2.55 GPH #2 FUEL OIL

- Specifically designed for steam Large water content; longer steaming times
- High efficiency Save fuel with 85% & higher AFUE
- Convertible flue (rear/top)
 Essy switch from rear to top flue
- Swing-away burner door
 Easy to open or remove; full access to chamber
- Easy inspection & cleaning Quick-open cover; top cleaning full width
- Factory-wired circulator Circulator harness wired; circulator ships loose
- Service switch Easy power disconnect for servicing boiler
- Recessed target wall

 Design protects target wall from flue brush
- Captured seal nipple port design Grooves protect seals from contaminants
- Burner shipped separately

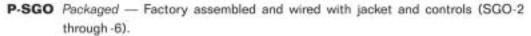


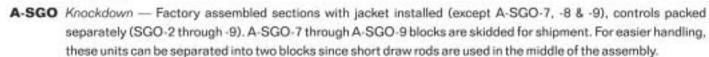
WEIL-McLAIN .. Heating America!

Presenting . . . the Weil-McLain SGO GOLD — a residential oil-fired steam

boiler, designed specifically for steam systems — with a tankless heater opening, large water content, long steaming time, large tappings (2½), and all the features installers and homeowners have asked for — Outstanding performance...innovative design...easier to install and service...top or back venting...limited lifetime warranty...just a few of the advantages that make the SGO GOLD boiler the industry's best value. And best of all, the SGO GOLD boiler is made by Weil-McLain, America's leading name in cast iron boilers for over a century.

The SGO GOLD is available packaged or knockdown. Burners are ordered and shipped separately — to give you maximum flexibility. Use any of the approved burners from Weil-McLain, including Beckett AFG, Carlin EZ and Riello.







Convertible flue (rear or top)



As shipped (rear flue)

The SGO has two flue outlets — one in back, one on top — to provide complete venting flexibility. The boiler is shipped ready for back venting with an aluminized steel cap on the top flue outlet. If top venting is desired, the flue cap can be quickly removed and attached to the back outlet. Two special L-brackets are supplied to make it easy to connect flue pipe to either outlet.



Converted (top flue)

Easy inspection/top cleaning



Flueways can be visually inspected without taking apart the vent pipe by removing the jacket cap and flue outlet cap from the unused flue outlet.

Removing the flue collector hood provides complete access to all flueways for fast, thorough cleaning. And the placement of the heat pins provides specific paths for flue brush travel. No stuck brushes!





Swing-away burner door/recessed target wall



The full swing-away burner door provides easy access to the entire combustion area to simplify inspection, cleaning and burner servicing. If desired, the door can be easily removed from the hinges. A quick-disconnect plug breaks power to burner when door is open.

The SGO target wall fits securely into the recess in the wide back section. Flue brushes can't contact the target wall because of the unique rear section heat exchanger design.



Cast iron sections/captured seals



- Rely on SGO boilers SGO boilers use cast iron sections, proven for durability and long life. Weil-McLain boilers have often provided 35 years or more of reliable service.
- The SGO's heat pin design yields high efficiency, yet is more tolerant of varying job conditions and makes cleaning faster and easier.
- High-temperature rope compressed between the sections makes a gas-tight seal in the flueways.
- Weil-McLain captured seal Boiler sections want room to move as they heat and cool. The SGO's modern elastomer seals provide the ultimate freedom for the cast iron to flex (unlike rigid metal push nipples), preventing leaks caused by expansion and contraction. And the precision-machined port grooves secure the seals in place and protect them from contaminants in the water.

High-capacity tankless heater option



You can purchase a Weil-McLain high-capacity tankless heater and tankless temperature control for use in the SGO GOLD boiler.

The side-mounted dual-coil design of the Weil-McLain tankless heater provides exceptional performance.

Weil-Mclain's tankless temperature control design allows operation of the tankless heater throughout the year — maintaining hot water in the boiler without producing steam when there is no space heating demand from the system.

Ratings









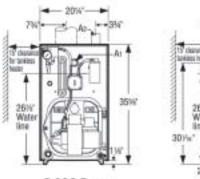


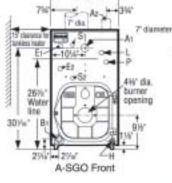
Boller model number	I=B=R DOE heating burner capacity capacity Min		Net I=B=R ratings Inter 3 6.3			DOE seasonal efficiency		Tankless heater intermittent	Draft loss through boiler	Minimum I=B=R chimney size			
	181	lesso 2, 2, 4		Short		With	% AFUE		claw	wohee et al.	Rectargalar	Round	Height
	Note 1	Dear	West	1100	MB+	MOH.	Skort	Vone:	GMHHH	Note 7	netwa	inches	Aut
* 580-3-**	0.95	114	115	354	85	100	84.1	85.3	3.25	.000	8×8	6	15
*-580-4-**	1.20	144	145	450	108	126	84.0	85.0	3.75	.010			
*-500-5-**	1.45	174	175	546	131	152	83.9	85.0	4.00	.015		¥	
*-580-E-**	1.75	210	212	058	158	184	B3.7	85.0	4.25	.010			
*-500-7-**	2.00	240	242	750	180	210	B3.fi	85.0	5.50	.015			
*-500-8-**	2.30	266	266	833	200	231	17	-	5.75	.020	8112	8	20
"-600-9-"	2.55	295	295	921	221	257		-	6.00	.030	0112		

- Substitute "P" far package steam boller (GSD 3 through 990-6 only Fackaged water boiler not available). Substitute "A" far belier only.
- " Add "W" for SGC boiler with water trim.
- No. 2 feet oil Commercial Standard Spec. CS75-56. Heat value of oil 140 ood 8TU/Sal.
- Based on elandard test procedures prescribed by the United States Department of Energy & combustion constition of 139%. CD; and -0.02" W.C. druft.
- 3. MBH refers to thousands of BTU per hour.
- Rating under "DOE Heating Capacity" for SSO-B and -9 is I=8:-H grass output. DOE ratings do not apply to boilers above 300 MBH.
- 5. Not in-Bink rutings are based on not installed sadation of sufficient quantities for the requirements of the building and nothing feed be added for normal piling and pickup. Stoom ratings are based on a bipling and pickup allowance of 1.335, where ratings on an allowance of 1.15. An additional allowance should be made for unusual piling and pickup loads. Coroult a likelinks, an representative.
- All boiler sizes use myreter 39-5-39 tentideos header. Tentideos header noting is in gallers water per minute, notable from 47-16 1-4075 with 20075 boiler water temperature — tested in accordance with 1-84 H Testing and Ratting. Standard for indirect Testiviess Water Headers Test; with Boilers.
 - 7. Listest draft losses are far standard burner settings.

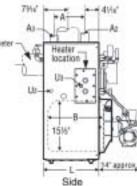
Dimensions

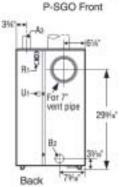
florier model number	Supply "C" (inches)		Return Grachest			Dimensions (inches)		Approximate shipping weight	Tankiess feater	
	Stoore	Water	Steam	Water	- A	8	L.	18x1 Olote 11	Tappings	
300-3	1-216	1-1 1/6	2	114	-	13.19	16.04	600	biet and outset. N° n°t Temperatura control tapping N° n°t	
\$50-4					347	16%	20	705		
860.6					-	19.%	23 %	820		
860-6		1-1 1/4	ž	1%	19	73	-2634	820		
\$50-7	2.04				2214	26 16	29 %	993		
880-8	2-2%				25 14	29.14	32 14	1,090		
550-b					20 %	327.94	35.14	1,195		
		Crate Direct	sone Heigh	1-39 W	m-23 1	ength (*360-3,	4-11/1	990-1 -0 -43		
		Note 1: Weigh	ts based on P	580 unts 3 -	6 and A-660 i	unts 7 - 9 with	all componen	is including turner.		

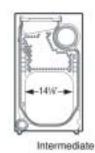




2014







Tapping	Size	Steam	Water
Aq .	- tie	Skim bupping	Sept
Ag	21t	Supp	Plang to operation farm or automatic air vind
A ₀	216	Sapply (SGD-6 firs R)	Pleggeti
Fi.	116	Phopel	Return
82	. 2	Fletury	Plugged
II.	R	Procure gauge A limit control (virus protos EACO is used)	Preserviersporture gauge:
6, 46,	, N	Low water outer! (fluer-type)	-
- 10	14	Draw years	Draft rates
L	14	Procure gauge & limit control (when float LMCD is used)	High limb/calculator carerol
P	- 14	LOM WIREY SLIGHT GROSS-TICKS	Ploget
F1	. 34	Public regive	Platet valve
2, 85,	N	Gaspe place	Plaged
U ₁	1	Take off for indirect fined water heater or separate zone	Plagged
0,	34	Terminal houter operating control (500 6 this II)	Plagget
84	14	Tankless heater operating control (SGI-3 thru II)	Torridore heater operating control

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

Equipment

Standard Equipment, All units

- Limited 10-year warranty on boiler sections
- Factory tested
- Factory-assembled cast iron sections with the following parts installed. (Jacket and collector bood are not assembled on 7-, 8- and 9-section blocks.)
 - · Insulated steel jacket
 - Aluminized steel flue collector hood with flue cap on top outlet
 - · Swing-away burner mounting door
 - Refractory blanket and target wall in combustion area
 - · Heater opening cover plate
- Electrical junction box with wiring harmesses
- Junction box cover plate with service switch
- Two vent pipe brackets
- Drain valve
- Balanced draft damper

SGO steam boilers

- · High limit pressure control
- Low water cutoff (float or probe type)

 P units only
- 15 PSIG ASME safety valve (boiler sections tested for 15 PSIG steam working pressure)
- . Steam pressure gauge
- + Siphon
- · Gauge glass, cocks and guard

SGO-W water boilers

- Built-in air separator
- High limit control with circulator relay
- Pressure/temperature gauge
- 30 PSIG ASME relief valve (boiler sections tested for 50 PSIG working pressure)

Optional Equipment

- High-efficiency flame-retention of burner (Beckett AFG, Carlin EZ or Riello). Specify 2-stage fuel unit (optional) if required.
- Low water outoffs (float or probe type)
- · Tankless heaters and controls
- Weil-McLain 5-year or 10-year Homeowner Protection Plan
- Weil-McLain Indirect-Fired Water Heaters



Locate our Sales Offices by visiting our website: www.weil-mclain.com Weil-McLain 500 Blaine Street Michigan City, IN 46360-2388

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