Ratings

DOE

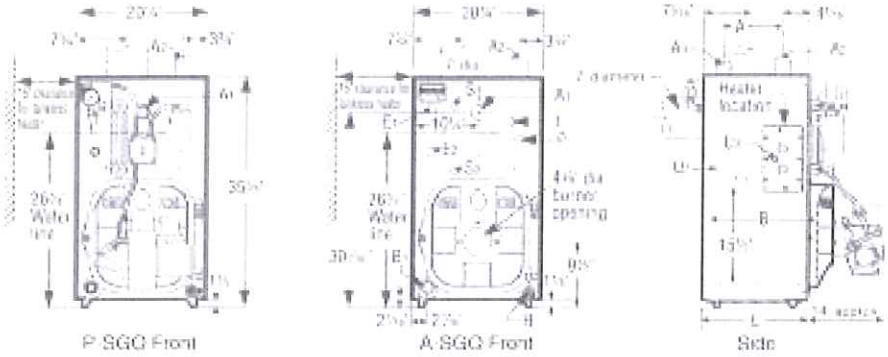
Boiler model number	I=B=R burner capacity	DOE heating capacity	Net I=B=R ratings			DOE seasonal efficiency % AFUE		Tankless heater intermittent draw	Draft loss through boiler	Minimum I=B=R chimney size		
	GPH	MBH	Steam		Water				inches w.c.	Rectangular	Round	Height
	Note 1	Steam	Water	SQ FT	MBH	MBH	Steam	Water	STH Note 6	Note 7	inches	inches	feet
*SBO 3**	0.92	110	115	324	93	120	84.1	85.3	3.25	0.02		6	
*SBO 4**	1.20	144	146	450	108	126	84.8	85.0	3.75	0.02			
*SBO 5**	1.45	174	175	546	132	152	83.9	85.0	4.50	0.03	8 x 12	7	15
*SBO 6**	1.75	210	212	658	158	184	83.7	85.0	4.25	0.03			
*SBO 7**	2.00	240	242	750	180	210	83.6	85.0	5.50	0.03			
*SBO 8**	2.30	276	278	833	200	233	-	-	5.75	0.03		8	20
*SBO 9**	2.55	305	299	923	221	258			5.50	0.03			

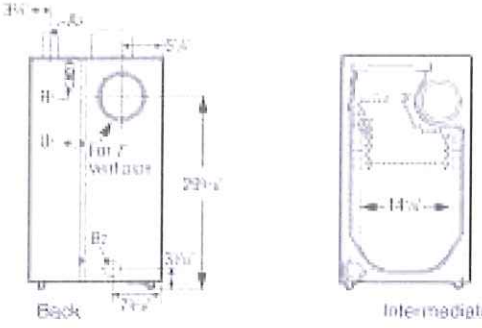
Dimensions

Boiler model number	Supply "C" (inches)		Return (inches)		Dimensions (inches)			Approximate shipping weight	Tankless heater P 35-5-29
	Steam	Water	Steam	Water	A	B	L	(Pad Crate 1)	Tappings
SGO 3						13 1/2	16 3/4	501	
SGO 4						16 1/4	20	705	
SGO 5						19 1/2	23 3/4	827	
SGO 6					19	23	28 3/4	920	
SGO 7					22 1/2	26 1/2	32 3/4	941	
SGO 8					25 1/4	29 1/4	32 3/4	1,080	
SGO 9					28 3/4	33 1/4	32 3/4	1,120	

Crate Dimensions: Height – 39" Width – 23" Length (SGO-3, -4, -5, -6) – 37" (SGO-7, -8, -9) – 43"

Note 1: Weights based on P SGO units 3" - 6" and A SGO units 3" - 9" with all components including burner





Tapping	Size	Steam	Water
P_A	1"	Gas supply	Water
P_B	2"	Supply	Piping to expansion tank or automatic air vent
P_C	2"	Safety relief valve	Pumped
P_D	1"	Pumped	Return
P_E	1"	Vent	Supply
P_F	¾"	Pressure gauge & limit control (not used on AFG burner)	Pressure/temperature gauge
P_G, P_{G_2}	¾"	Low water cutoff (not used on probe type)	
P_H	¾"	Drain valve	Drain valve
P_I	¾"	Pressure gauge & limit control (not used on AFG burner)	High limit (probe type)
P_J	¾"	Low water cutoff (probe type)	Plugged
P_K	¾"	Vent valve	Make-up
P_L, P_{L_2}, P_{L_3}	¾"	Gauge glass	Plugged
P_M	1"	Size of tankless heater opening (SGO 5 thru 9)	Plugged
P_N	¾"	Tankless heater opening control (SGO 3 thru 9)	Plugged
P_O	¾"	Tankless heater opening control (SGO 3 thru 9)	Tankless heater opening 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 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
  - Swing-away burner mounting door
  - Refractory blanket and target wall in combustion area
  - Heater opening cover plate
- Electrical junction box with wiring harnesses
- 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 oil burner (Beckett AFG, Carlin EZ or Riello). Specify 2-stage fuel unit (optional) if required.
- Low water cutoffs (float or probe type)
- Tankless heaters and controls
- Weil-McLain 5-year or 10-year Homeowner Protection Plan
- Weil-McLain Indirect-Fired Water Heaters

WEIL-McLAIN

Locate our Sales Offices by visiting our website:
www.weil-mclain.com

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