

**TRIM AND DESCRIPTION PARKER INDUSTRIAL STEAM BOILERS**  
**LOW NOx (20-30 PPM) PREMIX GAS FIRED 7HP TO 150 HP - HIGH OR LOW PRESSURE STEAM**

MODEL		7L	9.5L	15L	20L	25L (23)	25L	30L	40L	48L	50L	70L	90L	115L	150L
<b>BOILER &amp; ACCESSORIES</b>		<b>7 HP</b>	<b>9.5 HP</b>	<b>15 HP</b>	<b>20 HP</b>	<b>23HP</b>	<b>25 HP</b>	<b>30 HP</b>	<b>40 HP</b>	<b>48 HP</b>	<b>50 HP</b>	<b>70 HP</b>	<b>90 HP</b>	<b>115 HP</b>	<b>150 HP</b>
Steam Boiler Group Trim		AB	AB	AB	AD	AD	AD	AE	AE	AE	AE	F	F	F	F
Return System Model		R3--	R3--	R3--	R4--	R4--	R4--	R5--	R6--	R6--	R6	R7--	R8--	R9--	R9--
Kompact Mounting		Available 7HP to 25 HP						Not Available 30 to 150 HP							
Blowoff Tank Model		BD1248	BD1248	BD1648	BD2048	BD2048	BD2048	BD2048	BD2448	BD3048	BD3048	BD3672	BD3672	BD3672	BD4272
Automatic Compound Feeder		Model ST15-115										Model ST30-115			
<b>SPECIFICATIONS</b>															
STEAM OUTPUT	LBS/HR	242	328	518	690	794	863	1035	1380	1656	1725	2415	3105	3968	5175
STEAM OUTLET	15 PSI	1-1/2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	3"	4" FLG	4" FLG	5" FLG	5" FLG	6" FLG	6" FLG
	Above 15 PSI	3/4"	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"	2"	2-1/2"	2-1/2"	3"	3"
BTU INPUT		301M	398M	645M	860M	989M	1075M	1260M	1680M	1995M	2100M	2940M	3780M	4830M	6300M
GAS INLET	STD. NATURAL GAS	3/4"	3/4"	1"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2"	2-1/2"	3"	3"
	HI PRES. NG & PROPANE	3/4"	3/4"	3/4"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"
VENT STACK	DRAFT HOOD	8"	10"	12"	14"	14"	14"	14"	16"	18"	18"	NA	NA	NA	NA
	BAROMETRIC DAMPER	6"	8"	10"	10"	12"	12"	12"	14"	16"	16"	18"	20"	22"	26"
STANDARD	15 PSI	(2) 115 V/ 60 Hz/1 Ph.						(1) 115V/1 Ph & (1) 230V/ 3 Ph			(2) 115V/1 Ph & (1) 230V/3 Ph				
ELECTRICAL	16-125 PSI	(2)115 V/ 1 Ph			(1) 115 V/1 Ph & (1) 230V/3 Ph			(2) 230V/ 3 Ph			(3) 230V/3 Ph				
SERVICE	Above 125 PSI	(1) 115V/ 1 Ph & (1) 230V/ 3 Ph						(2) 230V/3 Ph			(3) 230V/3 Ph				
NATURAL GAS	TYPE OF FIRING	ON-OFF				MODULATING									
PROPANE	TYPE OF FIRING	ON-OFF				MODULATING									
<b>SHIPPING WEIGHTS</b>															
Boiler		950#	1235#	1430#	1860#	2175#	2175#	3040#	3970#	4680#	4680#	6200#	7600#	9300#	12300#
Boiler & Return System		1240#	1525#	1720#	2215#	2530#	2530#	3560#	4510#	5220#	5220#	7050#	8540#	10550#	13550#
Boiler, Return System & BD Tank		1420#	1705#	1940#	2510#	2825#	2825#	3855#	4945#	5795#	5795#	7980#	9470#	11480#	14645#

**DESCRIPTION:** Parker Industrial Packaged Gas Fired Steam Boiler. Bent water tube design with 1-5/16" O.D. steel tubes welded to headers for pressures up to 250 PSI. Assembled in heavy steel insulated cabinet with controls mounted and wired. Each unit factory fire tested. Recommended for all applications requiring high or low pressure steam. For specifications and dimensions, see Specification Sheets D-103-105-IL.

**WORKING PRESSURE:** All sizes are standardly furnished with 100 PSI MAWP stamped pressure and the safety valve set 100 PSI (for operation up to 90 PSI maximum). All models are available for higher pressures at additional charge with safety valve settings of 125 PSI (112 PSI operation), 150 PSI (135 PSI operation), 200 PSI (180 PSI operation) and 240 PSI (216 PSI operation). All models are available with safety valve setting of 15 PSI (11 PSI operation) which includes a larger steam outlet (steam valve is not furnished), larger safety valve and "H" Heating Boiler Stamp in place of "S" Stamp.

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**LOW NOx (20-30 PPM) GAS FIRED 7HP TO 150 HP - HIGH OR LOW PRESSURE STEAM**

<b><u>CODES:</u></b>	All models are build in accordance with the ASME Power Boiler Code and registered with the National Board of Boiler and Pressure Vessel Inspectors. 15 PSI boilers are stamped "H" in accordance with the ASME Heating Boiler Code. The Standard Models are listed by ETL. All Controls and trim are in compliance with UL Standard 795.
<b><u>GROUP TRIM:</u></b>	
<b><u>Trim STD:</u></b>	<u>Standard all Sizes:</u> Safety valve, pressure gage, water gage fixtures, column drain valve, steam valve (except 15 PSI), water feed stop and check valve, main line blow-off valve, operating pressure control and separate manual reset high limit, two main gas cocks, gas pressure regulator, primary and secondary electric gas valves, electronic flame safeguard instant response with electric ignition, interrupted pilot and manual reset, separate manual reset secondary probe type low water cutoff and boiler control panel. All boilers (except 15 PSI) include the ASME Code boiler external piping (BEP). Boilers with MAWP over 100 PSI include a slow opening blow off valve mounted with forged steel fittings and schedule 80 pipe. Panel Indicator Lights, Blower/Mixer: Low NOx Premix metal fiber burners for 20-30 PPM NOx
<b><u>Trim A:</u></b>	<u>Standard 7 HP to 50 HP:</u> Draft Hood, and motor starting relays. Warrick P3 probe type primary low water cutoff and pump control.
<b><u>Trim B:</u></b>	<u>Standard 7 HP to 15 HP:</u> Instant response with electric ignition. (Main and pilot gas cock; primary and secondary electric gas valves; and gas pressure regulator). Blower/Mixer with on/off firing.
<b><u>Trim D:</u></b>	<u>Standard 20 to 25 HP:</u> Control transformer (except 15 PSI). . Electronic flame safeguard instant response with electric ignition and intermittent pilot. Blower/Mixer for modulating firing with guaranteed Low Fire Start
<b><u>Trim E:</u></b>	<u>Standard 30 to 50 HP:</u> Same as Trim D except two blow-off valves, primary positive close motorized electric gas valve.
<b><u>Trim F:</u></b>	<u>Standard 70 to 150 HP:</u> Barometric damper with flue gas spillage switch, two main blow-off valves and two header blow-off valves. Warrick P4 probe type primary low water cutoff and dual pump control for two pumps, motor starting relays, control transformer (except 15 PSI), safety lockout and low water horn, high and low gas pressure switches, primary positive close motorized electric gas valve (proof-of-closure switch on 150 HP only).
<b><u>CALIFORNIA CODE TRIM:</u></b>	1- 1/2 to 9.5 HP above 100 PSI, require high and low water alarm. 15 HP and larger above 15 PSI, require high and low water alarm.
<b><u>FUEL:</u></b>	
<b><u>Natural Gas (Standard):</u></b>	Burners standard for natural gas 950 to 1150 BTU content. Boiler rated at 4" W.C. gas pressure at burner. Required gas pressure at inlet: Boilers to 90 HP: Minimum: 7" W.C.; Maximum: 14" W.C. (1/2 PSI). Boilers 115 to 150 HP: Minimum: 10" W.C.; Maximum: 14" W.C. (1/2 PSI). For lower inlet pressures, consult Factory. Higher pressures require additional high gas pressure trim.
<b><u>Propane Gas (Optional):</u></b>	Propane Gas Fired Boilers are ETL Listed and the controls and trim are in compliance with UL Standard 795. Burners are furnished for Propane Gas 2500 to 3200 BTU Content. Required gas pressure at inlet on all sizes: Minimum 11"W.C. Maximum:14"W.C.
<b><u>NOTE:</u></b>	Ratings shown are for elevations up to 2000 feet. For elevations above 2000 feet, ratings should be reduced at the rate of 4% for each 1000 feet above sea level.