

TRIM AND DESCRIPTION PARKER DIRECT FIRED HOT WATER BOILERS **ATMOSPHERIC GAS FIRED MODELS T300 TO T6800**

MODEL	GROUP TRIM	INPUT BTU/HR	OUTPUT BTU/HR	APPROX. SHIPPING WEIGHT	GAS INLET		VENT STACK DIAMETER		STANDARD ELECTRICAL SERVICE VOLTS/Hz/Ph	STANDARD TYPE OF FIRING
					STD. NAT. GAS	HI. PRES. NAT. GAS & PROPANE	DRAFT HOOD (INCHES)	BAROMETRIC DAMPER (INCHES)		
T300	AB	300,000	240,000	560#	3/4"	3/4"	8	8	115/60/1	OFF-ON
T395	AB	395,000	316,000	870#	3/4"	3/4"	10	8	" "	"
T490	AB	490,000	392,000	880#	1"	3/4"	10	8	" "	"
T600	AB	600,000	480,000	1060#	1"	3/4"	12	8	" "	"
T760	AB	760,000	608,000	1340#	1"	3/4"	12	10	" "	"
T970	AC	970,000	776,000	1520#	1-1/2"	1-1/2"	14	12	" "	"
T1140	AC	1,140,000	912,000	1660#	1-1/2"	1-1/2"	16	12	" "	"
T1460	AC	1,460,000	1,168,000	2590#	1-1/2"	1-1/2"	18	14	" "	"
T1730	AC	1,730,000	1,384,000	2800#	2"	1-1/2"	18	14	" "	"
T2160	AC	2,160,000	1,728,000	3300#	2"	1-1/2"	20	16	" "	"
T2600	AD	2,600,000	2,080,000	3800#	2"	1-1/2"	(2) 16	18	" "	"
T2970	AD	2,970,000	2,376,000	4240#	2"	1-1/2"	(2) 18	18	" "	"
T3600	AD	3,600,000	2,880,000	4900#	2-1/2"	1-1/2"	(2) 18	20	" "	"
T3900	AD	3,900,000	3,120,000	5500#	2-1/2"	1-1/2"	(2) 18	22	" "	"
T4600	AD	4,600,000	3,680,000	6995#	3"	2"	(2) 20	22	" "	"
T5700	AE	5,700,000	4,560,000	8000#	3"	2"	(2) 22	26	" "	"
T6800	AE	6,800,000	5,440,000	9700#	3"	2"	(2) 24	28	" "	"

DESCRIPTION:

Parker complete packaged Direct Gas Fired Hot Water Boiler. Designed with heavy 1-5/16" O.D. steel tubes welded to headers for 125 PSI W.P. Assembled in heavy steel insulated cabinet with controls mounted and wired. Each unit factory fire tested. Recommended for closed system building or process heating. For specifications and dimensions, see Specification Sheet D-201-I.

TEMPERATURE & WORKING PRESSURE:

All sizes approved for 125 PSI. Standardly furnished with controls for 240° and safety relief valve set for 125 PSI. Relief valves set for 30 PSI available at no additional charge when specified. Extra charge for high temperatures and pressures, and any special settings on relief valves. (Boiler can be stamped lower pressure at no charge if specified on order).

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<u>CODES:</u>	All models are built in accordance with the ASME Power and Heating Boiler Codes and registered with The National Board of Boiler and Pressure Vessel Inspectors. Boilers operating up to 160 PSI and 250°F are stamped "H". Boilers operating at higher temperatures or pressures are stamped "S". The Standard Natural Gas Fired Model is listed by Underwriters' Laboratories Inc., and displays the Listing Label as a <u>complete Gas Fired Boiler Assembly</u> . All controls and trim are in compliance with UL Standard 795.
<u>GROUP TRIM:</u>	
<u>Trim A:</u>	<u>Standard on all Sizes:</u> Safety relief valves(s), temperature-pressure gauge, Warrick probe type manual reset low water cutoff, off-on firing, dual aquastat operating and manual reset high limit control, two main gas cocks, gas pressure regulator, dual electric gas valves, 100% electronic flame safety with electric ignition and manual reset, and boiler control panel.
<u>Trim B:</u>	<u>Standard T300 to T760:</u> Single draft hood. Honeywell S8610H intermittent Pilot Module instant response with electric ignition. Combination Gas Control (main and pilot gas cock; primary and secondary electric gas valves; and pressure regulator).
<u>Trim C:</u>	<u>Standard T970 to T2160:</u> Single draft hood and electronic flame safeguard (Honeywell RM7890 or Fireye M Series) instant response with electric ignition and intermittent pilot.
<u>Trim D:</u>	<u>Standard T2600 to T4600:</u> Two draft hoods, positive close motorized electric gas valve, high and low gas pressure switches, electronic flame safeguard (Honeywell RM7890 or Fireye M Series) instant response with electric ignition, intermittent pilot and Parker-Lite 5 Light Sequence Indicator System.
<u>Trim E:</u>	<u>Standard T5700 to T6800:</u> Two draft hoods, positive close motorized electric gas valve with proof-of-closure switch, high and low gas pressure switches, electronic flame safeguard (Honeywell RM7895C or Fireye MP560 Series) instant response with electric ignition, interrupted pilot, and Parker-Lite 5 Light Sequence Indicator System.
<u>CALIFORNIA CODE TRIM:</u>	All models require second low water cutoff.
<u>FUEL:</u>	
<u>Natural Gas:</u>	Burners standard for natural 950 to 1150 BTU content. Boiler rated at 4" W.C. gas pressure at burner. Required gas pressure at inlet: Models T300 to T4600: Minimum: 7" W.C.; Maximum: 14" W.C. (1/2 PSI). Models T5700 to T6800: Minimum: 10" W.C.; Maximum: 14" W.C. (1/2 PSI). For lower inlet pressures, consult Factory. Higher inlet pressures require addition of high gas pressure trim.
<u>Propane Gas:</u>	Propane Gas Fired Boilers are ETL Listed and the controls and trim are in compliance with UL Standard 795. They require higher gas pressure and additional charge. Burners are furnished for Propane Gas 2500 to 3200 BTU content. All boilers are rated for 18" W.C. gas pressure at the burner. Required gas pressure at inlet on all sizes: Minimum: 1 PSI; Maximum: 5 PSI.
<u>NOTE:</u>	(1) 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. (2) Off-On Firing is standard on all sizes. Two Stage Firing is available at additional charge. Modulating Firing is available only on natural gas fired models at additional charge.