

TRIM AND DESCRIPTION PARKER DIRECT FIRED HOT WATER BOILERS
ATMOSPHERIC GAS FIRED MODELS
WITH FINNED CONVECTIVE SECTION T300R TO T3900R

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)		
T300R	AB	300,000	246,000	690#	3/4"	3/4"	8	8	115/60/1	OFF-ON
T395R	AB	395,000	324,000	1085#	3/4"	3/4"	10	8	" "	"
T490R	AB	490,000	402,000	1085#	1"	3/4"	10	8	" "	"
T600R	AB	600,000	492,000	1286#	1"	3/4"	12	8	" "	"
T760R	AB	760,000	623,000	1540#	1"	3/4"	12	10	" "	"
T970R	AC	970,000	795,000	1720#	1-1/2"	1-1/2"	14	12	" "	"
T1140R	AC	1,140,000	935,000	1910#	1-1/2"	1-1/2"	16	12	" "	"
T1460R	AC	1,460,000	1,197,000	2850#	1-1/2"	1-1/2"	18	14	" "	"
T1730R	AC	1,730,000	1,419,000	3120#	2"	1-1/2"	18	14	" "	"
T1995R	AC	1,995,000	1,636,000	3680#	2"	1-1/2"	20	14	" "	"
T2160R	AC	2,160,000	1,771,000	3680#	2"	1-1/2"	20	16	" "	"
T2600R	AD	2,600,000	2,132,000	4200#	2"	1-1/2"	(2) 16	18	" "	"
T2970R	AD	2,970,000	2,435,400	4723#	2"	1-1/2"	(2) 18	18	" "	"
T3600R	AD	3,600,000	2,952,000	5386#	2-1/2"	1-1/2"	(2) 18	20	" "	"
T3900R	AD	3,900,000	3,198,000	6126#	2-1/2"	1-1/2"	(2) 18	22	" "	"

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-201R-I.

TEMPERATURE & WORKING PRESSURE:

All sizes approved for 125 PSI. Standardly furnished with controls for 240° F 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". Natural gas and LPG fired models are ETL Listed "Industrial and Commercial Gas Fired Packaged Boilers" certified to UL795, for indoor or outdoor service. Canadian models are C-ETL Listed. 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 T300R to T760R:</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 T970R to T2160R:</u> Single draft hood and electronic flame safeguard (Honeywell RM7890 or Fireye M or MicroM Series) instant response with electric ignition and intermittent pilot.
<u>Trim D</u>	<u>Standard T2600R to T3900R:</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>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 T300R to T3900R: Minimum: 7" 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.