

**TRIM & DESCRIPTION PARKER INDIRECT FIRED WATER HEATERS**  
**ATMOSPHERIC GAS FIRED MODELS WH300 TO WH3000**

MODEL		WH300	WH395	WH490	WH600	WH730	WH970	WH1210	WH1410	WH1900	WH2270	WH2650	WH3000
SPECIFICATIONS:													
B.T.U. Input		300M	395M	490M	600M	730M	970M	1210M	1410M	1900M	2270M	2650M	3000M
B.T.U. Ouput		240M	316M	392M	480M	584M	776M	968M	1128M	1520M	1816M	2120M	2400M
OUTPUT	G.P.H. 60°F Rise	480	632	793	958	1167	1550	1935	2253	3037	3628	4237	4797
	G.P.H. 100°F Rise	288	379	470	575	700	930	1161	1352	1822	2177	2542	2878
GAS INLET	STD. Natural Gas	3/4"	3/4"	1"	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2"
	HI. Pressure NG & Propane	3/4"	3/4"	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"
VENT STACK	Draft Hood	8"	10"	10"	12"	12"	14"	16"	16"	20"	22"	22"	24"
	Barometric Damper	6"	8"	8"	8"	10"	12"	12"	14"	16"	16"	18"	18"
Circulating Line Size		1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
Recommended Flow Rate-GPM		31	39	39	47	47	54	54	54	101	101	117	110
Standard Type of Firing		OFF-ON	OFF-ON	OFF-ON	OFF-ON	OFF-ON	OFF-ON	OFF-ON	OFF-ON	OFF-ON	OFF-ON	OFF-ON	OFF-ON
HEATER Electrical Service		115V 1Ph	115V 1Ph	115V 1Ph	115V 1Ph	115V 1Ph	115V 1Ph	115V 1Ph	115V 1Ph	115V 1Ph	115V 1Ph	115V 1Ph	115V 1Ph
PUMP Electrical Service		115V 1/3 HP	115V 1/3 HP	115V 1/3 HP	115V 1/3 HP	115V 1/3 HP	115V 1/2 HP	115V 1/2 HP	115V 1/2 HP	230V 3Ph 1 HP	230V 3Ph 1 HP	230V 3Ph 1 HP	230V 3Ph 1 HP
Shipping Weight – Heater Only		715#	885#	895#	1205#	1485#	1720#	1920#	2250#	2645#	3450#	3925#	4380#
HEATER & ACCESSORIES:													
1. Parker Indirect Fired Water Heater	GROUP TRIM	AB	AB	AB	AB	AB	AC	AC	AC	AD	AD	AE	AE
2. Circulating Pump	MODEL-SIZE-HP	3GB5-1.5F – 1-1/2" - 1/3 HP					5GB5-1.5F – 1-1/2" - 1/2 HP			3104G6-2-5.88 – 2" - 1 HP 3 PH			
3. Tank T & P Gage	MODEL	PT1088LBM200 – 3-1/2" T & P GAGE BACK MOUNTED 80-320F											
4. Tank T & P Relief Valve	SIZE	(1) 40XL4-1-125 1X1"						(1) N240X6-1-125 1X1"			(2) N240X6-1-125 1X1"		
5. Storage Tank	CAPACITY	162 Gal	256 Gal	256 Gal	256 Gal	372 Gal	379 Gal	379 Gal	532 Gal	710 Gal	1260 Gal	1260 Gal	1260 Gal
	MODEL (Dia. x Shell)	TSV2472	TSV3072	TSV3072	TSV3072	TSV3660	TSV3672	TSV3672	TSV4272	TSV4872	TSV54108	TSV54108	TSV54108
	OVERALL HEIGHT	96"	99"	99"	99"	90"	102"	102"	105"	112"	152"	152"	152"
STANDARD WORKING PRESSURE - PSI		150	125	125	125	125	125	125	125	125	125	125	125
UNLINED SHIPPING WEIGHT		440#	555#	555#	555#	775#	880#	880#	1050#	1300#	2340#	2340#	2340#

**DESCRIPTION:** Parker complete packaged Indirect Gas Fired Water Heater with built-in flange mounted finned copper tube heat exchanger, bronze bonnet and tube sheet, 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 supply water heating. Requires storage tank, circulator and trim. Swim Pool Heater available with pool temperature control.

**TEMPERATURE & WORKING PRESSURE:** All standard models are furnished with safety relief valve set for 125 PSI. High limit control for 240° and supply water temperature control up to 180°. Supply water temperature heating over 180° requires additional charge, consult Factory.

**TRIM & DESCRIPTION PARKER INDIRECT FIRED WATER HEATERS**  
**ATMOSHPERIC GAS FIRED MODELS WH300 TO WH3000**

TRIM DESCRIPTION SHEET 210-I  
 PAGE 2 9B

<b><u>CODES:</u></b>	All models are built in accordance with the A.S.M.E. Power and Heating Boiler Codes stamped "H" and registered with the National Board of Boiler and Pressure Vessel Inspectors. The standard natural gas fired model is listed by Underwriters' Laboratories, Inc. and displays the Listing Label as a complete Gas Fired Boiler Assembly. All controls and trim are in compliance with UL Standard 795.
<b><u>GROUP TRIM:</u></b>	
<b><u>Trim A:</u></b>	Draft hood, safety relief valve, temperature and pressure gage, Warrick probe manual reset low water cutoff, off-on firing, dual aquastat high limit control with manual reset, aquastat for supply operating water temperature control, two main gas cocks, gas pressure regulator, dual electric gas valves, 100% electronic flame safety with electric ignition and manual reset control panel and expansion tank.
<b><u>Trim B:</u></b>	<u>WH300 to WH730:</u> 115 V, 60 Hz, 1Ph for heater and pump. 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).
<b><u>Trim C:</u></b>	<u>Standard WH970 to WH1410:</u> 115V, 60 Hz, 1Ph for heater and pump. Electronic flame safeguard (Fireye M Series or Honeywell RM7890) instant response with electric ignition and intermittent pilot.
<b><u>Trim D:</u></b>	<u>Standard WH1900 to WH2270:</u> 115V, 60 Hz, 1 Ph for heater. Separate 230V, 60 Hz, 3Ph recommended for pump. Electronic flame safeguard (Fireye M Series or Honeywell RM7890)
<b><u>Trim E:</u></b>	<u>Standard WH2650 to WH3000:</u> Same as Trim D except high and low gas pressure switches, positive close motorized gas valve, Parker-Lite 5 Light Sequence Indicator System
<b><u>CALIFORNIA CODE TRIM:</u></b>	All models require second low water cutoff and water gage fixtures for expansion tank.
<b><u>STANDARD ACCESSORIES FOR SUPPLY WATER HEATING:</u></b>	
<b><u>1. Circulating Pump:</u></b>	The circulator must be high duty model, equivalent to Burks G Series Centrifugal Pump and not smaller than the size shown. If standard circulators used, size must be increased. Circulating lines to the storage tank must be minimum size shown on front.
<b><u>2. Tank T &amp; P Gage:</u></b>	Combination temperature-pressure gage recommended on upper part of tank or hot water outlet.
<b><u>3. Tank T &amp; P Relief Valve:</u></b>	Combination temperature-pressure relief valve should be installed on all tanks.
<b><u>4. Storage Tank:</u></b>	All storage tanks are A.S.M.E. Code approved for pressure shown and registered with the National Board. The tank should never be less than the size shown and it is important to select a heater to handle the maximum hourly load demand. On domestic water heating or installations for large intermittent demands (such as laundries with large washers), tank should not be less than two-thirds hourly load. Parker cement lining is recommended on all tanks.
<b><u>FUEL:</u></b>	
<b><u>Natural Gas:</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: 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.
<b><u>Propane Gas:</u></b>	Propane Gas Burners are for 2500 to 3200 BTU Content Gas. 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. All boilers are rated for 18" W.C. gas pressure at the burner. Required gas pressure at inlet: Minimum: 1 PSI; Maximum: 5 PSI.
<b><u>NOTES:</u></b>	
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.	