

TRIM AND DESCRIPTION PARKER G----R WATERWALL DIRECT FIRED HOT WATER BOILERS
POWER GAS, LIGHT OIL OR COMBINATION GAS/LIGHT OIL FIRED

GAS/OIL FIRED MODEL	GO-672R (.5) or (.4)	GO-1008R	GO-1536R	GO-2304R (2.0)	GO-2640R
GROUP TRIM	AGO	BGO		CGO	DGO
BURNER MODEL NO.	CR1-GO-10	CR1-GO-12	CR2-GO-15	CR2-GO-20A	CR2-GO-20B
TYPE OF FIRING	ON-OFF	2-STAGE			
GAS INLET SIZE	1"	1-1/4"	1-1/2"		2"
STD. ELECT. SERVICE	115/60/1			(2) 230/60/3	
BLOWER MOTOR SIZE	1/3 HP		1/2 HP	3/4 HP	1 HP
SEP. OIL PUMP MOTOR*	1/3 HP			1/3 HP	
UV FLAME SAFEGUARD	STD. & FM (RM7800)				

OIL FIRED MODEL	O-672R (.5)	O-1008R	O-1536R	O-2304R (2.0)	O-2640R
GROUP TRIM	AO	BO	CO		
BURNER MODEL NO.	CR1-O		CR2-OA		CR2-OB
TYPE OF FIRING	ON-OFF	2-STAGE			
STD. ELECT. SERVICE	115/60/1		230/60/3		
BLOWER MOTOR SIZE	1/3 HP		3/4 HP	1-1/2 HP	
UV FLAME SAFEGUARD	STD. & FM (RM7800)				

GAS FIRED MODEL	G-672R (.5)	G-1008R	G-1536R	G-2304R (2.0)	G-2640R
GROUP TRIM	AG	BG			CG
BURNER MODEL NO.	CR1-G-10	CR1-G-12	CR2-G-15		CR2-G-20B
TYPE OF FIRING	OFF-ON	2-STAGE			
GAS INLET SIZE	1"	1-1/4"	1-1/2"	2"	
STD. ELECT. SERVICE	115/60/1				
BLOWER MOTOR SIZE	1/3 HP		1/2 HP	3/4 HP	
UV FLAME SAFEGUARD	STD. & FM (RM7800)				

Parker complete packaged Water Wall Direct 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, power burner 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-204-VI.

*On Gas/Oil fired models, if separate oil pump motor is deleted, the blower motor size (HP) and electrical is same as comparable Oil Fired model. The low oil pressure switch is then optional.

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CODES:	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 Power Burner is Listed by Underwriters' Laboratories, Inc. and displays the Listing Label. On Oil Fired Models, all trim and controls are in compliance with UL296. On Gas Fired Models, all trim and controls are in compliance with UL795. Gas/Oil Fired Models are in compliance with both standards. Gas Fired units comply with ASME-CSD-1.
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GROUP TRIM:

TRIM STD:	STANDARD ON ALL MODELS: Safety relief valve, temperature-pressure gauge, Warrick probe type manual reset low water cutoff, dual aquastat operating and manual reset high limit. Barometric damper with vertical tee. Pressure atomizing power burner with blower motor and controls, electrical panel, flame rod, flame detection and electronic flame safeguard with prepurge and manual reset.
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GAS/OIL FIRED

TRIM AGO:	STANDARD MODEL GO-672R (.5): On-Off fired. 115V/60HZ/1PH blower motor and separate oil pump motor. Low oil press. switch. Oil line with two stage oil pump and two fuel valves. Gas line with two gas cocks, gas pressure regulator, one positive close motorized gas valve and one secondary gas valve (regulator and secondary gas valve may be combination unit). Spark ignited gas pilot for both fuels and gas pilot line with gas cock, gas pressure regulator and pilot electric gas valve. Air safety switch.
TRIM BGO:	STANDARD MODEL GO-1008R TO G1536: Same as trim AGO except two stage firing with high & low fire control with low fire start.
TRIM CGO:	STANDARD MODEL GO-2304R: Same as trim BGO except 230V/60HZ/3PH blower motor and separate oil pump motor. Control transformer is furnished for boiler control circuit.
TRIM DGO:	STANDARD MODEL GO-2640R: Same as Trim BGO except add high and low gas pressure switches.

OIL FIRED

TRIM AO:	STANDARD MODEL O-672R: On-Off firing. 115V/60HZ/1PH blower motor with integral two-stage oil pump. Two safety shutoff oil valves. Direct spark ignition.
TRIM BO:	STANDARD MODEL O-528R: Same as trim AO except two stage firing with high-low fire control and low fire start in place of off-on firing.
TRIM CO:	STANDARD MODEL O-1536R to O-2640R: Same as trim BO except 230V/60HZ/3PH blower motor. Control transformer is furnished for boiler control circuit.

GAS FIRED

TRIM AG:	STANDARD MODEL G-672R MODELS: Off-on firing. 115V/60HZ/1PH blower motor Gas line with two manual gas cocks, gas pressure regulator, two safety shut off valves (regulator and gas valve may be combination unit). Spark ignited gas pilot and gas pilot line with manual gas cock, pilot gas pressure regulator and electric gas valve. Air safety switch.
TRIM BG:	STANDARD MODEL G-1008R to G2304R(2.0): Same as trim AG except two stage firing with high-low fire control and low fire start in place of off-on firing.
TRIM CG:	STANDARD MODEL G-2640R: Same as Trim BG except add high and low gas pressure switches.

SPECIAL TRIM

CALIF. CODE	All models require second low water cutoff.
FM TRIM	See page 1 for flame safeguard standards. All Gas and Gas/Oil fired models have high and low gas pressure switches and over 2,500M BTU input two motorized gas valves. All Oil and Gas/Oil fired models have low oil pressure switches.

FUEL

NAT. GAS	Gas fired burners are standard for natural gas 950 to 1150 BTU content. Required gas pressure at inlet: Minimum: 7" W.C.; Maximum 14" W.C. For lower inlet pressures consult factory. Higher inlet pressures require addition of high gas pressure trim.
NO. 2 OIL	Oil fired burners are standard for No. 2 light fuel oil, approximately 141,000 BTU per gallon, ASTM Specification D-396.
PROPANE	Optional propane fired boilers are furnished for Propane Gas 2500 to 3200 BTU content. Maximum 14" W.C. inlet pressure. Higher inlet pressures require addition of high gas pressure trim.
NOTE:	Ratings are shown for elevations up to 2000 feet above sea level. For elevations above 2000 feet, ratings should be reduced at the rate of 4% for each 1000 feet above sea level or consult factory for possible larger burner.