

BRYAN BOILERS

RW - PF
DATE: 07/15/14

Originators of the "Flexible Water Tube"

POWERFLAME BASE BURNER DATA "RW" SERIES BOILERS

BOILER MODEL	INPUT		BASE BURNER MODEL (1)	COMBUSTION CONTROL MODEL/SCANNER (2)	IGNITION MEANS (3)	MOTOR DATA (4)	FIRING SYSTEM	GAS TRAIN DATA			OIL DATA				
	MBH	GPH						GAS, OIL & GAS / OIL	GAS, G/O & O	HP	TRAIN SIZE NPT	STANDARD PRESS IN. W.C./PSI		PUMP LOC (5)	SUC. CAP (GPH)
												MIN	MAX		
RW 850	8500	60.7	CR5 - **-30	RM7840L/UV	GP	7-1/2	MODULATION	1-1/2"	1.5 PSI	5 PSI	RM	250			
RW 1050	10500	75.0	CR6 - **-30	RM7840L/UV	GP	10	MODULATION	2"	1.5 PSI	5 PSI	RM	250			
RW 1260	12600	90.0	CR6 - **-30	RM7840L/UV	GP	10	MODULATION	2"	1.5 PSI	5 PSI	RM	250			
RW 1500	15000	107.1	CR7 - **-30	RM7840L/UV	GP	15	MODULATION	2-1/2"	1.5 PSI	5 PSI	RM	150			
RW 1700	17000	121.4	CR8 - **-30	RM7840L/UV	GP	15	MODULATION	2-1/2"	2 PSI	5 PSI	RM	200			
RW 1900	19000	135.7	CMR9B - **-30	RM7840L/UV	GP	7-1/2	MODULATION	2-1/2"	2 PSI	5 PSI	RM	200			
RW 2100	21000	150.0	CMR9B - **-30	RM7840L/UV	GP	7-1/2	MODULATION	2-1/2"	2 PSI	5 PSI	RM	235			
RW 2100-OF	25200	180.0	CMR10A - **-30	RM7840L/UV	GP	15	MODULATION	2-1/2"	3 PSI	5 PSI	RM	235			

STANDARD GAS TRAIN COMPONENTS

COMPONENT	RW 850 TO RW 1900	RW 2100
Manual Shutoff Valve (point of field connection)	STD.	STD.
Gas Pressure Regulator	STD.	STD.
Main Oper. Gas Valve w/PC - Motorized type	STD.	STD.
Auxiliary Oper. Gas Valve - Solenoid type	STD.	STD.
Auxiliary Oper. Gas Valve - Motorized type	OPT.	STD.
Low Gas Pressure Switch	STD.	STD.
High Gas Pressure Switch	STD.	STD.
Manual Checking Shutoff Gas Valve	STD.	STD.

STANDARD OIL COMPONENTS

COMPONENT	RW850 TO RW1500	RW1700 TO RW1900	RW2100
Dual Shutoff Valves	STD	STD	STD
Remote Mounted Oil Pump HP Rating	1	1/2	1/2
Remote Mounted Air Compressor HP Rating	OPT.	5	5

ABBREVIATIONS: (1)** Insert: "G" - Gas, "G/O" - Gas/Oil, "O" = Oil
(2) Combustion Control: Model: RM7840L
Scanner: "UV" = Ultra Violet
(3) Ignition means: "GP" - Gas Pilot

(4) Motor Voltage: 60 Hz - Motor RPM: 3450 RPM
208-240-480/3 Ph (please specify)
(5) Oil Pump Location: "RM" - Remote Mounted
CMR Burners have air atomizing on oil and include air compressor

NOTES >>>

1. Burner capacities listed for elevations up to 2,000 ft. For higher elevations, consult local Bryan Boilers sales office.
2. Oil ratings based on No. 2 fuel with heating value of 140,000 Btu per gallon.
3. Gas rating based on natural gas with heating value of 1000 Btu per cubic foot and specific gravity of .60. Gas burners for other gases are available, consult local Bryan Boilers sales office.



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