

# BRYAN BOILERS

RV - GP - LNX  
DATE: 01/01/06  
REPLACES: 05/02/04

Originators of the "Flexible Water Tube" design

**GORDON-PIATT LOW NO<sub>x</sub> BASE BURNER DATA**  
**"RV" SERIES BOILERS**  
**SUB 30 PPM - GAS**

BOILER MODEL	INPUT MBH	BASE BURNER MODEL (1)	COMBUSTION CONTROL MODEL/SCANNER (2)	IGNITION MEANS (3)	MOTOR DATA (5)	FIRING SYSTEM (4)	"UL" GAS TRAIN		
			GAS	GAS	HP		TRAIN SIZE NPT	STANDARD PRESS IN. W.C./PSI	
	MIN	MAX							
RV 350	3500	LNR10.1-**	RM7840L/UV	GP	3	MODULATION	2-1/2"	7.0"	1 PSI
RV 400	4000	LNR10.1-**	RM7840L/UV	GP	3	MODULATION	2-1/2"	8.0"	1 PSI
RV 450	4500	LNR10.2-**	RM7840L/UV	GP	5	MODULATION	2-1/2"	14.0"	1 PSI
RV 500	5000	LNR10.2-**	RM7840L/UV	GP	5	MODULATION	2-1/2"	14.0"	1 PSI
RV 550	5500	LNR10.2-**	RM7840L/UV	GP	5	MODULATION	2-1/2"	15.0"	1 PSI
RV 600	6000	LNR10.2-**	RM7840L/UV	GP	5	MODULATION	2-1/2"	17.0"	1 PSI
RV 700	7000	LNS12.1-**	RM7840L/UV	GP	5	MODULATION	2-1/2"	16.0"	1 PSI
RV 800	8000	LNS14.9-**	RM7840L/UV	GP	5	MODULATION	2-1/2"	20.0"	1 PSI

**STANDARD GAS TRAIN COMPONENTS**

COMPONENT	RV 350 TO RV 500	RV 550 TO RV 800
Manual Shutoff Valve (point of field connection)	STD.	STD.
Gas Pressure Regulator	STD.	STD.
Main Oper. Gas Valve - Motorized type	STD.	N/A
Main Oper. Gas Valve w/ PC - Motorized type	OPT.	STD.
Auxiliary Oper. Gas Valve - Solenoid type	STD.	STD.
Low Gas Pressure Switch	STD.	STD.
High Gas Pressure Switch	STD.	STD.
Manual Checking Shutoff Gas Valve	STD.	STD.

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

(4) Modulation includes "Cam Linkage"  
(5) Motor Voltage: 60 Hz - Motor RPM: 3450  
1/3 HP to 1 HP = 120/1 Ph  
1 1/2 HP & Larger = 208-240-480/3 Ph (please specify)



**NOTES >>>**

1. Burner capacities listed for elevations up to 2,000 ft. For higher elevations, consult local Bryan Boilers sales office.
2. 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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