

BRYAN BOILERS

RV - PF - LX
DATE: 07/15/14

Originators of the "Flexible Water Tube" design

**POWERFLAME - LOW NOx BASE BURNER DATA
"RV" SERIES BOILERS
SUB 30 PPM - GAS / REDUCED NOx - OIL**

BOILER MODEL	INPUT	BASE BURNER MODEL (1)	COMBUSTION CONTROL MODEL/SCANNER (2)	IGNITION MEANS (3)	MOTOR DATA HP (4)	FIRING SYSTEM	GAS TRAIN DATA		
	MBH		GAS	GAS	GAS		TRAIN SIZE NPT (5)	STANDARD PRESS IN. W.C./PSI	
								MIN	MAX
RV 350	3500	LNICR3 - **25B	RM7840L/UV	GP	3	MODULATION	2"	7.0"	1 PSI
RV 400	4000	LNICR4 - **25	RM7840L/UV	GP	3	MODULATION	2"	8.0"	1 PSI
RV 450	4500	LNICR4 - **25	RM7840L/UV	GP	3	MODULATION	2"	9.0"	1 PSI
RV 500	5000	LNICR4 - **30	RM7840L/UV	GP	5	MODULATION	2"	12.0"	1 PSI
RV 550	5500	LNICR4 - **30	RM7840L/UV	GP	5	MODULATION	2"	14.0"	1 PSI
RV 600	6000	LNICR5 - **30	RM7840L/UV	GP	7-1/2	MODULATION	2" - 2-1/2"	14.0"	1 PSI
RV 700	7000	LNICR5 - **30	RM7840L/UV	GP	7-1/2	MODULATION	2" - 2-1/2"	18.0"	1 PSI
RV 800	8000	LNICR6 - **30	RM7840L/UV	GP	10	MODULATION	2" - 2-1/2"	24.0"	1 PSI

STANDARD GAS TRAIN COMPONENTS		
COMPONENT	RV 300 TO RV	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.	
Main Oper. Gas Valve w/ POC - Motorized type	OPT.	STD.
Auxiliary Operating 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) Comb. Control: Model - RM7840L

Scanner - "UV" = Ultra Violet

(3) Ignition Means:
"GP" = Gas Pilot

(4) Motor Voltage: 60 Hz - Motor RPM: 3450
1 1/2 HP & Larger = 208-240-480/3 Ph
(please specify)

(5) Gas Train: Main gas valve, auxiliary gas valve and leak test cock are first size; gas regulator and main gas shutoff cock are second.

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.



783 N. Chili Ave., Peru, Indiana 46970
Telephone: (765) 473-6651
Fax: (765) 473-3074
E-Mail: inquiry@bryansteam.com
Internet: www.bryanboilers.com