

BRYAN BOILERS

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

Originators of the "Flexible Water Tube" design

POWERFLAME LOW NO_x BASE BURNER DATA
"AB" SERIES BOILERS
SUB 30 PPM - GAS / REDUCED NO_x 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
AB 90	900	LNICR1 - **-12	RM7897C/UV	GP	1/3	MOD	1"	6.0"	14.0"
AB 120	1200	LNICR2 - **-15	RM7897C/UV	GP	1/3	MOD	1-1/4" - 1"	6.0"	14.0"
AB 150	1500	LNICR2 - **-15	RM7897C/UV	GP	3/4	MOD	1-1/4" - 1"	7.0"	14.0"
AB 200	2000	LNICR2 - **-20B	RM7840L/UV	GP	1	MOD	1-1/4"	5.0"	14.0"
AB 250	2500	LNICR2 - **-20B	RM7840L/UV	GP	1	MOD	2" - 1-1/2"	6.0"	14.0"
AB 300	3000	LNICR3 - **-20	RM7840L/UV	GP	3	MOD	2" - 1-1/2"	7.7"	14.0"

STANDARD GAS TRAIN COMPONENTS

COMPONENT	AB 90 TO AB 200	AB 250	AB300
Manual Shutoff Valve (point of field connection)	STD.	STD.	STD.
Gas Pressure Regulator	STD.	STD.	STD.
Main Oper. Gas Valve - Diaphragm type	STD.	N/A	N/A
Main Oper. Gas Valve - Motorized type	OPT.	STD.	STD.
Auxiliary Oper. Gas Valve - Solenoid type	STD.	STD.	STD.
Low Gas Pressure Switch	OPT.	OPT.	STD.
High Gas Pressure Switch	OPT.	OPT.	STD.
Manual Checking Shutoff Gas Valve	STD.	STD.	STD.

- ABBREVIATIONS: (1)** Insert:: "G" - Gas
 (2) Combustion Control: RM7895C
 Scanner : "UV" - Ultra Violet
 (3) Ignition means: GP - Gas Pilot
 (4) Motor Voltage:
 1/3 HP to 1/2 HP = 120/1 Ph
 1 1/2 HP & 3/4 HP & 1 HP = 230/1 PH
 1 1/2 HP & Larger = 208-240-480/3 Ph
 (please specify)

- (5) Dual size gas trains: Main & aux. gas valve and leak test cock are first number. Gas reg. and main shutoff cock are indicated by second number.



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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