

BRYAN BOILERS

AB - GP
EFFECTIVE: 01/01/06
REPLACES: 03/17/03

Originators of the "Flexible Water Tube"

GORDON-PIATT BASE BURNER DATA
"AB" SERIES BOILERS
NATURAL GAS / No. 2 OIL

BOILER MODEL	INPUT		BASE BURNER MODEL (1)	COMBUSTION CONTROL MODEL/SCANNER (2)		IGNITION MEANS (3)		MOTOR DATA (4) HP	FIRING SYSTEM	"UL" GAS TRAIN			OIL DATA	
	MBH	GPH		GAS & OIL	OIL	GAS & G/O	OIL			TRAIN SIZE NPT (5)	STANDARD PRESSURE IN. W.C./PSI		PUMP LOC (6)	SUC. CAP (GPH)
											MIN	MAX		
AB 90	900	6.4	SR6.1-**	RM7895C/UV	R8184G/CC	GP	DS	1/3	ON-OFF	1-1/2"	7.0"	14.0"	BM	66
AB 120	1200	8.6	SR6.2-**	RM7895C/UV	R8184G/CC	GP	DS	1/3	ON-OFF	1-1/4"	7.0"	14.0"	BM	66
AB 150	1500	10.7	SR8.9-**	RM7895C/UV	R8184G/CC	GP	DS	1/2	ON-OFF	1-1/2"	7.0"	14.0"	BM	66
AB 200	2000	14.3	SR8.0-**	RM7895C/UV	RM7895A/UV	GP	DS	3/4	LO-HI-OFF	1-1/2"-2"	7.0"	14.0"	BM	73
AB 250	2500	17.8	SR8.1-**	RM7895C/UV	RM7895A/UV	GP	DS	1	LO-HI-OFF	1-1/2"-2"	7.0"	14.0"	BM	73
AB 300 (G)	3000	X	SR8.3-**	RM7895C/UV	X	GP	X	2	LO-HI-OFF	3"	7.0"	14.0"	X	X
AB 300 (O, G/O)	3000	21.4	SR8.3-**	RM7896C/UV	RM7896C/UV	GP	DS	2	LO-HI-OFF	3"	7.0"	14.0"	BM	73

STANDARD GAS TRAIN COMPONENTS			
COMPONENT	AB 90 TO AB200	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.	X	X
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.
STANDARD OIL COMPONENTS			
Dual Shutoff Valves	STD.	STD.	STD.

- ABBREVIATIONS:
- (1)** Insert: "G" - Gas, "G/O" - Gas/Oil, "O" = Oil
 - (2) Combustion Control: RM7895A - Pre Purge
RM7895C - Pre Purge
R8184G - Pre Purge
RM7896C - P&P Purge
Scanner - "UV" = Ultra Violet
"CC" = Cad Cell
 - (3) Ignition means:
"GP" - Gas Pilot
"DS" - Direct Spark

- (4) Motor Voltage: 60 Hz - Motor RPM: 3450 RPM
1/3 HP to 1 HP = 120/1 Ph
1 1/2 HP & Larger = 208-240-480/3 Ph (please specify)
- (5) Gas Train: Man. gas shutoff valve and gas pressure regulator are first size; gas operating and auxiliary valves are second.
- (6) Oil Pump Location:
"BM" - Burner Mounted



NOTES

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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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