

BRYAN BOILERS

AB - IF
DATE: 05/02/04
REVISION: NEW

Originators of the "Flexible Water Tube"

IRON FIREMAN 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 PRESS IN. W.C./PSI		PUMP LOC (6)	SUC. CAP (GPH)
											MIN	MAX		
AB 90	900	6.4	G-120-**-1.4	RM7895C/UV	RM7895C/UV	GP	DS	3/4	ON-OFF	1-1/4"	7.0"	14.0"	BM	70
AB 120	1200	8.6	G-120-**-1.4	RM7895C/UV	RM7895C/UV	GP	DS	3/4	ON-OFF	1-1/4"	7.0"	14.0"	BM	70
AB 150	1500	10.7	G-120-**-2.1	RM7895C/UV	RM7895C/UV	GP	DS	1	ON-OFF	1-1/2"	7.0"	14.0"	BM	70
AB 200	2000	14.3	G-120-**-2.1	RM7895C/UV	RM7895C/UV	GP	DS	1	LO-HI-OFF	1-1/2"-2"	7.0"	14.0"	BM	70
AB 250	2500	17.8	G-120-**-3.0	RM7895C/UV	RM7895C/UV	GP	DS	1	LO-HI-OFF	2"	7.0"	14.0"	BM	70
AB 300	NOT AVAILABLE													

STANDARD GAS TRAIN COMPONENTS

COMPONENT	AB 90 TO AB150	AB 200	AB250
Manual Shutoff Valve (point of field connection)	STD.	STD.	STD.
Gas Pressure Regulator	STD.	STD.	STD.
Main Gas Valve - Diaphragm type	STD.	STD. (G/O only)	STD.
Main Gas Valve - Motorized type w/air damper linkage	OPT.	STD. (Gas only)	STD.
Main Gas Valve - Motorized type	OPT.	OPT.	STD.
Auxiliary Oper. Gas Valve - Solenoid type	STD.	STD.	STD.
Low Gas Pressure Switch	OPT.	OPT.	OPT.
High Gas Pressure Switch	OPT.	OPT.	OPT.
Manual Checking Shutoff Gas Valve	STD.	STD.	STD.
Butterfly Firing Rate Control Valve w/2 Position Motors	OPT.	STD (G/O only)	STD.

STANDARD OIL COMPONENTS

Dual Shutoff Valves	STD.	STD.	STD.
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ABBREVIATIONS: (1)** Insert: "G" - Gas, "G/O" - Gas/Oil, "O" = Oil

(2) Combustion Control:
Honeywell control shown.
Fireye MicroM optional
Scanner - "UV" = Ultra Violet

(3) Ignition means:
"GP" - Gas Pilot
"DS" - Direct Spark

(4) All motors std 115/60/1

(5) Gas Train sizes are NPT

Note: G-120-G-2.1 only: The first number is for the checking gas cock and motorized LFS or LHL valve. The second size is for the remainder. A 2" size gas train is std with modulation

(6) Oil Pump Location:
"BM" Burner mounted, direct driven from the blower motor



NOTES >>>

- Burner capacities listed for elevations up to 2,000 ft. For higher elevations, consult local Bryan Boilers sales office.
- Oil ratings based on No. 2 fuel with heating value of 140,000 Btu per gallon.
- 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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