

BRYAN BOILERS

Originators of the "Flexible Water Tube"

DR - PF - A
DATE: 01/01/06
REPLACES: 05/02/04

**POWER FLAME BASE BURNER DATA
"DR" SERIES BOILERS
NATURAL GAS**

BOILER MODEL	INPUT (MBH)	BASE BURNER MODEL	COMBUSTION CONTROL (1) MODEL/SCANNER	IGNITION MEANS (2)	MOTOR DATA (3) HP	FIRING SYSTEM	GAS TRAIN DATA		
							TRAIN SIZE NPT	STANDARD PRESS IN. W.C.	
								MIN	MAX
DR250	250	X4-400-9	S8680J/FR	GP	1/4	ON-OFF	3/4"	7.0"	14.0"
DR350	350	X4-400-9	S8680J/FR	GP	1/4	ON-OFF	3/4"	7.0"	14.0"
DR450	450	X4-700-9	S8680J/FR	GP	1/4	ON-OFF	1"	7.0"	14.0"
DR650	650	X4-700-9	S8680J/FR	GP	1/4	ON-OFF	1"	7.0"	14.0"
DR850	850	J30A-10	RM7895C/UV	GP	1/3	ON-OFF	1"	7.0"	14.0"

STANDARD GAS TRAIN COMPONENTS		
COMPONENT	BOILER MODEL	
	DR250 to DR650	DR850
Manual Shutoff Valve (point of field conn.)	STD.	STD.
Combination (3 Funct.) Main Gas Valve	STD.	NA
Gas Pressure Regulator	(FUNC. 1)	STD.
Main Operating Gas Valve	(FUNC. 2)	STD.
Auxiliary Operating Gas Valve	(FUNC. 3)	STD.
Manual Checking Shutoff Gas Valve	OPT.	STD.

- ABBREVIATIONS:
- (1) Combustion Control: Model S8680J (24 volt control), Scanner FR - Flame Rod
Model RM7895C, Scanner UV - Ultra Violet
 - (2) Ignition Means: "GP" Gas Pilot
 - (3) Motor Voltage: 1/3HP & 1/4 HP = 120/1 Ph/60 Hz
Motor RPM: 3450 RPM

- 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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