

# BRYAN BOILERS

Originators of the "Flexible Water Tube"

DR - GP - B  
DATE: 01/01/06  
REPLACES: 05/02/04

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

BOILER MODEL	INPUT		BASE BURNER MODEL (1)	COMBUSTION CONTROL (2) MODEL/SCANNER		IGNITION MEANS (3)		MOTOR DATA (4) HP	FIRING SYSTEM GAS	"UL" GAS TRAIN DATA			OIL DATA	
	(MBH)	GPH		GAS & GAS / OIL	OIL	GAS & G/O	OIL			TRAIN SIZE NPT	STANDARD PRESS IN. W.C.		PUMP LOC (5)	SUC. GEAR CAP (GPH)
											MIN	MAX		
DR250	250	1.8	NOT AVAILABLE											
DR350	350	2.5	NOT AVAILABLE											
DR450	450	3.2	R6.0-*	RM7895C/UV	R8184G/CC	GP	DS	1/3	ON-OFF	1"	7.0"	14.0"	BM	66
DR650	650	4.6	R6.1-*	RM7895C/UV	R8184G/CC	GP	DS	1/3	ON-OFF	1"	7.0"	14.0"	BM	66
DR850	850	6.1	R6.2-*	RM7895C/UV	R8184G/CC	GP	DS	1/3	ON-OFF	1"	7.0"	14.0"	BM	66

STANDARD GAS TRAIN COMPONENTS	
COMPONENT	BOILER MODEL
	DR450 to DR850
Manual Shutoff Valve (point of field conn.)	STD.
Gas Pressure Regulator	STD.
Main Operating Gas Valve	STD.
Auxiliary Operating Gas Valve	STD.
Manual Checking Shutoff Gas Valve	STD.
STANDARD OIL COMPONENTS	
Dual Shutoff Valves	STD.

**ABBREVIATIONS:**

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| <p>(1) Insert: "G" = Gas<br/>"G/O" = Gas / Oil<br/>"O" = Oil</p> <p>(2) Combustion Control:<br/>Model - RM7895C<br/>Model - R8184G<br/>Scanner - "UV" - Ultra Violet<br/>"CC" - Cad Cell</p> | <p>(3) Ignition means:<br/>"GP" - Gas Pilot<br/>"DS" - Direct Spark</p> <p>(4) Motor Voltage:<br/>1/3 HP = 120/1 Ph / 60 Hz<br/>Motor RPM: 3450 RPM</p> <p>(5) Oil Pump Location:<br/>"BM" - Burner Mounted</p> |
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**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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