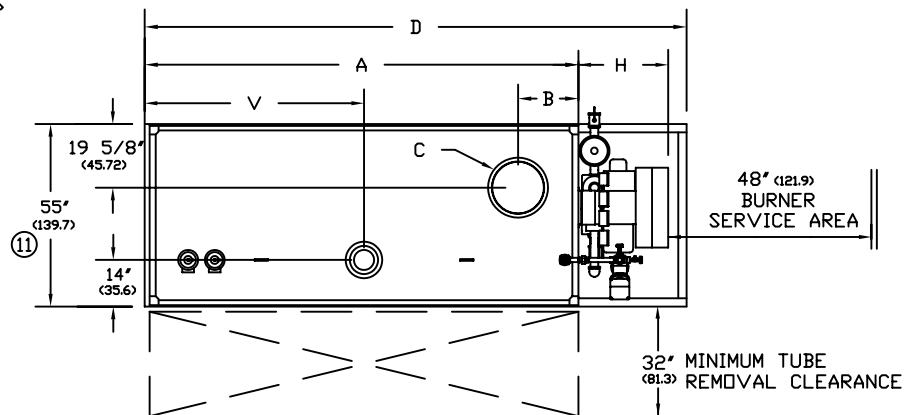


**RV-KD SERIES FORCED DRAFT 15# & 150#
STEAM BOILERS (RV450-RV800)**

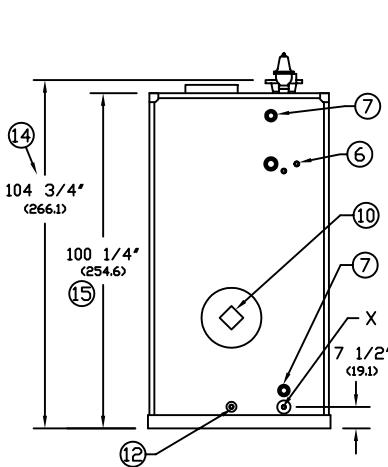
EFFECTIVE DATE: 3/16/05
REPLACES: 4/29/04

NOTES:

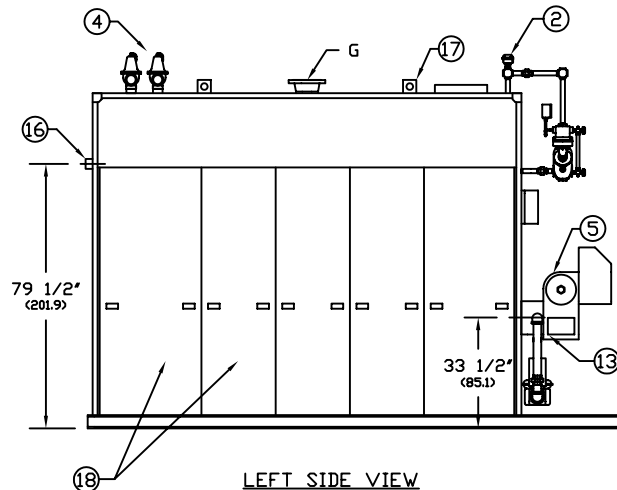
1. ALL DIMENSIONS ARE IN INCHES. THOSE IN PARENTHESES ARE CENTIMETERS.
2. LOCATION DIMENSIONS ARE ALL $\pm 1/2"$.
3. GAS TRAIN, CONTROL AND BURNER CONFIGURATION WILL VARY DEPENDING ON JOB SPECIFICATIONS & CONDITIONS.
4. DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. CONSULT FACTORY FOR CERTIFIED DIMENSIONS.
5. ALL FLANGES ARE 150# UNLESS OTHERWISE NOTED, FLANGES TO STRADDLE CENTER LINE.



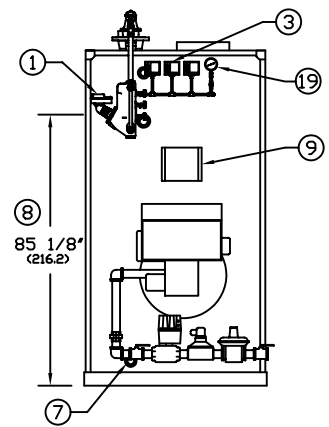
PLAN VIEW



REAR VIEW



LEFT SIDE VIEW



FRONT VIEW

1. L.W.C.D./PUMP CONTROL - 157	6. SURFACE BLOWOFF 1" NPT	11. WIDTH OVER BASE	16. FEEDWATER CONN. 2" NPT
2. PROBE TYPE AUX. L.W.C.D.	7. CLNDUT./INSP. OPNG.-1 1/2"NPT	12. COMB. CHAMBER DRAIN 1" NPT	17. LIFTING LUGS
3. PRESSURE CONTROLS	8. NORMAL BOILER WATER LEVEL	13. OIL CONNECTION	18. JACKET ACCESS PANELS
4. RELIEF VALVE(S)	9. ELEC. ENCLOSURE-	14. HEIGHT OVER FLOW NOZZLE	19. PRESSURE GAUGE
5. FORCED DRAFT BURNER	10. FLAME OBSERVATION PORT	15. HEIGHT OVER JACKET	

BOILER MODEL		RV450	RV500	RV550	RV600	RV700	RV800
A-LENGTH OVER JACKET		141 3/4" (360.04)	151 3/8" (384.49)	164 1/4" (417.19)	173 7/8" (441.64)	196 3/8" (498.79)	218 7/8" (277.96)
B-FLUE LOCATION		30 1/16" (76.35)	30 1/16" (76.35)	30 3/16" (76.67)	30 3/16" (76.67)	32 1/8" (81.59)	32 3/16" (81.75)
C-FLUE DIAMETER		16" (40.6)	16" (40.6)	16" (40.6)	16" (40.6)	20" (50.8)	20" (50.8)
D-LENGTH OVER BASE		162 7/8" (413.70)	175 3/4" (446.40)	185 3/8" (470.85)	214 5/8" (545.14)	237 1/8" (602.29)	248 3/8" (630.87)
G-SUPPLY NOZZLE SIZE	15 PSI	8" FLG (20.3)	8" FLG (20.3)	10" FLG (25.4)	10" FLG (25.4)	10" FLG (25.4)	10" FLG (25.4)
	150 PSI	6" FLG (15.2)	6" FLG (15.2)	6" FLG (15.2)	6" FLG (15.2)	6" FLG (15.2)	6" FLG (15.2)
H-BURNER EXTENSION	CONSULT FACTORY FOR BURNER EXTENSION APPLICATIONS						
V-SUPPLY NOZZLE LOC.		70 7/8" (180.02)	75 11/16" (192.24)	82 1/8" (76.67)	86 15/16" (220.81)	98 3/16" (249.39)	109 7/16" (277.96)
X-BLOWDOWN CONNECTION	15 PSI	1 1/2" (3.8)	1 1/2" (3.8)	2" (5.1)	2" (5.1)	2" (5.1)	2" (5.1)
	150 PSI	1" (2.54)	1" (2.54)	1" (2.54)	1" (2.54)	1" (2.54)	1" (2.54)



BRYAN BOILERS

783 NORTH CHILI AVE
PERU, INDIANA 46970

ORDER NO. _____
ORDER REV. NO. _____
FORM NO. 2169

RV SERIES FORCED DRAFT KNOCKDOWN STEAM BOILERS

BOILER MODEL		RV450	RV500	RV550	RV600	RV700	RV800
INPUT	MBH	4,500	5,000	5,500	6,000	7,000	8,000
	(KW)	1,318.5	1,465.0	1,611.5	1,758.0	2,051.0	2,344.0
OUTPUT*	MBH	3,600	4,000	4,400	4,800	5,600	6,400
	(KW)	1,054.8	1,172.0	1,289.2	1,406.4	1,640.8	1,875.2
BOILER HORSEPOWER	HP	108	120	131	143	167	191
	(KW)	1,058	1,176	1,284	1,401	1,637	1,872
TUBE DIAMETER	INCHES	1.50	1.50	1.50	1.50	1.50	1.50
	(CM)	3.81	3.81	3.81	3.81	3.81	3.81
NUMBER OF TUBES		61	67	75	81	95	109
PRESSURE VESSEL							
VOLUME	GAL	198	216	237	255	294	333
	(L)	749.4	817.6	897.0	965.2	1,112.8	1,260.4
HEATING SURFACE	SQ FT	544	597	688	722	847	972
	(SQ M)	50.6	55.5	63.9	67.1	78.7	90.3
STEAM OUTPUT*	LBS/HR	3,711	4,124	4,536	4,948	5,773	6,598
	(KG/HR)	1,683.5	1,870.5	2,057.6	2,244.6	2,618.7	2,992.8
OPERATING WEIGHT	LBS	10,261	11,611	12,312	13,622	15,512	17,392
	(KG)	4,654.5	5,266.9	5,584.5	6,178.8	7,036.2	7,889.1
SHIPPING WEIGHT	LBS	8,610	9,810	10,335	11,495	13,060	14,615
	(KG)	3,905.5	4,449.8	4,688.0	5,214.1	5,924.0	6,629.4

* Output based on nominal 80% of input. Actual combustion efficiencies will vary and are fuel dependant.