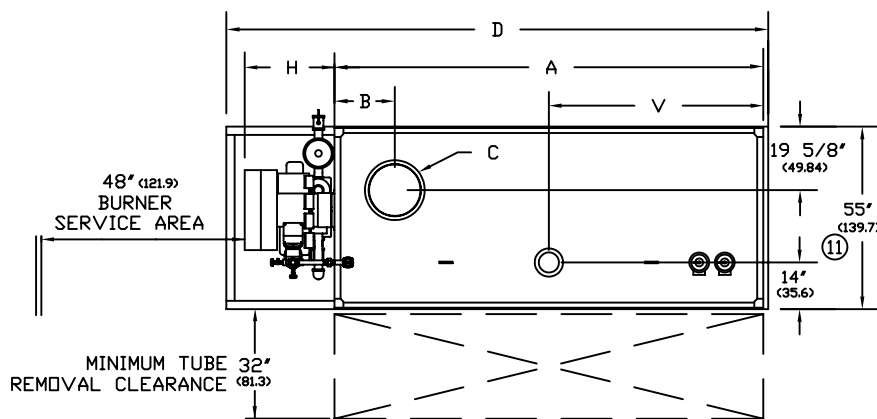
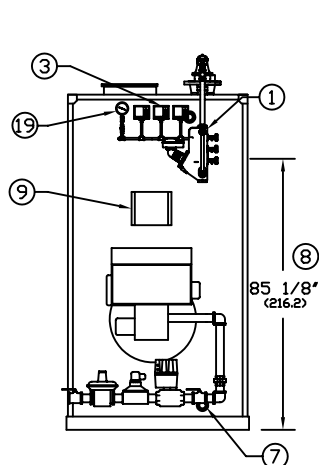


RV-KD SERIES FORCED DRAFT 15# & 150#
STEAM BOILERS (RV350-RV400) REVERSE CONSTRUCTION

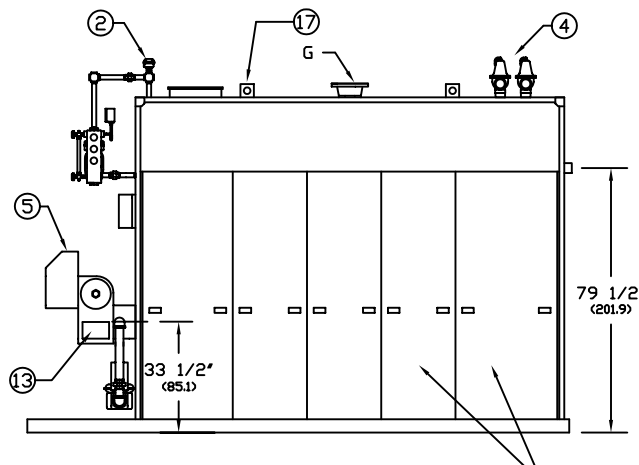
EFFECTIVE DATE: 3/16/05
REPLACES: 7/20/04



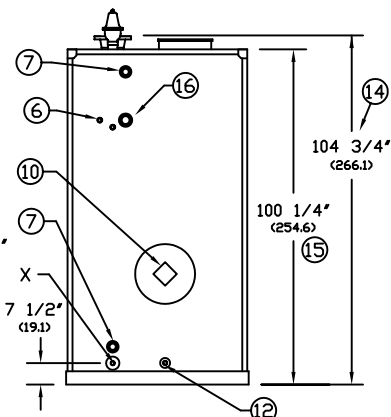
PLAN VIEW



FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW

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.

1. L.W.C.D./PUMP CONTROL - 157
2. PROBE TYPE AUX. L.W.C.D.
3. PRESSURE CONTROLS
4. RELIEF VALVE(S)
5. FORCED DRAFT BURNER

6. SURFACE BLOWOFF 1" NPT
7. CLNDUT./INSP. OPNG.-1 1/2"NPT
8. NORMAL BOILER WATER LEVEL
9. ELEC. ENCLOSURE-
10. FLAME OBSERVATION PORT

11. WIDTH OVER BASE
12. COMB. CHAMBER DRAIN 1" NPT
13. OIL CONNECTION
14. HEIGHT OVER FLOW NOZZLE
15. HEIGHT OVER JACKET

16. FEEDWATER CONN. 2" NPT
17. LIFTING LUGS
18. JACKET ACCESS PANELS
19. PRESSURE GAUGE

BOILER MODEL				RV350	RV400
A-LENGTH OVER JACKET				119 1/8" (302.57)	132" (335.28)
B-FLUE LOCATION				25 1/2" (64.77)	30 1/16" (76.35)
C-FLUE DIAMETER				16" (40.6)	16" (40.6)
D-LENGTH OVER BASE				143 1/2" (364.49)	153 1/4" (389.25)
G-SUPPLY NOZZLE SIZE	15 PSI			6" FLG (15.2)	8" FLG (20.3)
	150 PSI			4" FLG (10.2)	6" FLG (15.2)
H-BURNER EXTENSION	CONSULT FACTORY FOR BURNER EXTENSION APPLICATIONS				
V-SUPPLY NOZZLE LOC.				59 9/16" (151.28)	66" (167.64)
X-BLOWDOWN CONNECTION	15 PSI			1 1/2" (3.81)	1 1/2" (3.81)
	150 PSI			1" (2.54)	1" (2.54)



BRYAN BOILERS

783 NORTH CHILI AVE
PERU, INDIANA 46970

ORDER NO.:

ORDER REV. NO.:

FORM NO. 1978

RV SERIES FORCED DRAFT KNOCKDOWN STEAM BOILERS REVERSE CONSTRUCTION

BOILER MODEL		RV350	RV400
INPUT	MBH	3,500	4,000
	(KW)	1,025.5	1,172.0
OUTPUT*	MBH	2,800	3,200
	(KW)	820.4	937.6
BOILER HORSEPOWER	HP	84	96
	(KW)	820	937
TUBE DIAMETER	INCHES	1.50	1.50
	(CM)	3.81	3.81
NUMBER OF TUBES		47	55
PRESSURE VESSEL			
VOLUME	GAL	160	182
	(L)	605.6	688.9
HEATING SURFACE	SQ FT	419	490
	(SQ M)	38.9	45.5
STEAM OUTPUT*	LBS/HR	2,887	3,299
	(KG/HR)	1,309.4	1,496.4
OPERATING WEIGHT	LBS	8,604	9,848
	(KG)	3,903.0	4,467.0
SHIPPING WEIGHT	LBS	7,270	8,330
	(KG)	3,297.7	3,778.5

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