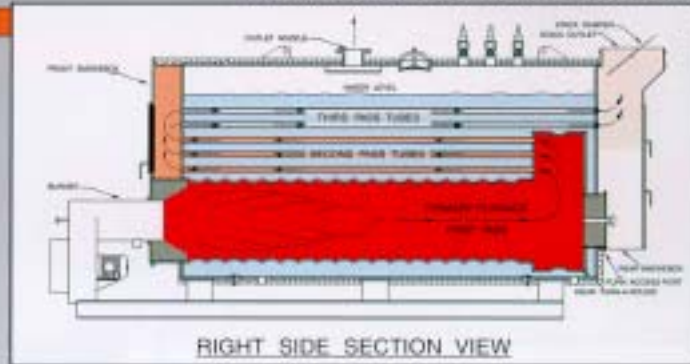




THREE PASS WET BACK PACKAGED SCOTCH BOILERS



BOILER SPECIFICATIONS

(ALL DIMENSIONS ARE IN INCHES)

		SEMI WET BACK							
BOILER HORSEPOWER		30	40	50	60	70	80	100	125
HEATING SURFACE (FRONT)	SQ FT	150	200	250	300	350	400	500	625
STEAM OUTPUT FROM 6" AT 212°F	LBS./HR	1025	1380	1725	2070	2415	2760	3450	4312
GROSS OUTPUT	MBH	1004	1326	1674	2008	2343	2678	3348	4186
FIRING RATE GAS (1,000 BTU/CF)	CFH	1260	1680	2100	2520	2940	3360	4200	5250
FIRING RATE LP GAS (\$1,500 BTU)	CFH	13.8	18.4	23	27.5	32	36.7	46	57
FIRING RATE #2 OIL (140,000 BTU)	CFH	9	12	15	18	21	24	29.9	37.4
FIRING RATE #5 & #6 OIL (150,000 BTU)	CFH	8.4	11.2	14	16.8	19.6	22.4	28	35
A NOTE 1 STEAM OUTLET SIZE	150 PSI	1 1/2"	2"	2 1/2"	2 1/2"	3"	3"	4"	4"
A NOTE 2 STEAM OUTLET SIZE	15 PSI	4"	4"	4"	4"	4"	4"	4"	4"
B NOTE 2 SUPPLY SIZE	30 PSI	4"	4"	4"	4"	4"	4"	4"	4"
C NOTE 2 RETURN SIZE	30 PSI	4"	4"	4"	4"	4"	4"	4"	4"
D FORWARDER CONNECTION SIZE		3/4"	3/4"	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"
E BOTTOM BLOWDOWN SIZE	HIGH PRESS.	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
E BOTTOM BLOWDOWN SIZE	LOW PRESS. & HW	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
F STACK OUTLET SIZE (O.D.)		10"	10"	10"	10"	10"	10"	16"	14"
G FLUENCE (O.D.)		14"	14"	16"	16"	16"	16"	20"	20"
H SHELL (O.D.)		40"	40"	44"	40"	48"	48"	56"	60"
I SUPPLY HEIGHT		59 1/4"	59 3/8"	59 3/4"	63 5/8"	66 5/8"	66 5/8"	74 3/4"	81 3/4"
J WIDTH WITHOUT TRIM		46"	46"	50"	54 5/8"	54 5/8"	54 5/8"	60"	66 1/2"
K WIDTH WITH TRIM		50"	50"	54"	58"	58"	58"	64"	70"
L SKID WIDTH		36"	34"	38"	40"	40"	40"	46"	48"
M END OF SKID TO FRONT PLATE		13 1/2"	14 1/4"	15 1/4"	15 1/4"	15 1/4"	15 1/4"	21 3/4"	25 1/8"
N SHELL TO FLOOR		12"	12"	12"	12"	12"	12"	16"	16"
O SKID LENGTH		81"	80"	100"	100"	100"	114"	114"	130"
P STACK OUTLET HEIGHT		58 5/8"	58 5/8"	62 3/4"	66 5/8"	66 5/8"	66 5/8"	74 3/4"	81 3/4"
Q BLOWDOWN LOCATION		29 3/4"	41"	31 3/4"	29 3/4"	29 3/4"	29 3/4"	29 3/4" & 48"	29 7/8" & 28"
R STEAM OUTLET LOCATION (15 PSI & LP)		38 3/4"	41 3/4"	43 1/4"	48 3/4"	48 3/4"	50 3/4"	55 3/4"	55 7/8"
S SUPPLY LOCATION		20 1/4"	20 3/4"	30"	37 3/4"	37 3/4"	40 3/4"	30 3/4"	30"
T RETURN LOCATION		58 1/4"	74 3/4"	78"	85 3/4"	85 3/4"	87 3/4"	93 3/4"	100"
U BURNER PROJECTION (FROM FRONT PLATE)		21 3/8"	31 3/8"	31 3/8"	31 3/8"	31 3/8"	31 3/8"	31 3/8"	34 3/4"
V TUBE REMOVAL, FRONT		66"	66"	66"	91"	91"	109"	96"	100"
W STACK OUTLET LOCATION		78 1/8"	85 3/4"	88 3/4"	104 3/4"	104 3/4"	116 1/2"	111 3/4"	123 7/8"
X APPROX. OVERALL LENGTH (STD. BURNER)		117"	124"	127"	144"	144"	155"	153"	167"
Y 1 1/4" SURFACE BLOW-OFF CONNECTION		29 3/4"	28 3/4"	31 1/4"	27 3/4"	27 3/4"	40 3/4"	43 3/4"	39 7/8"
APPROXIMATE SHIPPING WEIGHT - 150 PSI	LBS.	3500	4100	4700	5385	5800	6200	6800	10400
APPROX. SHIPPING WEIGHT - 15 & 30 PSI	LBS.	3400	4000	4500	5185	5600	6000	7200	8400
WATER CAPACITY AT 150 PSI	GAL.	213	300	315	400	381	436	519	676
WATER CAPACITY FLOODED	GAL.	250	330	350	436	437	499	591	788

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