

Sellers[®]
MANUFACTURING CO.

SINCE
1931

H SERIES
BOILER

If you are looking to improve the quality of your distilled products, look no further!

A **Sellers H-Series** boiler can provide clean steam into the distillation process, allowing for the purest alcohol to remain.

ADVANTAGES

- No Water Chemical Treatment Required
- Inject Steam Directly Into Your Process
- No Boiler Feed Equipment Required
- Completely Non-Ferrous Interior
- Rapid response <20 minute steam
- Perfect for batch processes
- 40% smaller footprint
- Low maintenance



H SERIES
Chemical Free
15 PSI Clean Steam Boiler

STEAM BOILER RATINGS, CAPACITIES, WEIGHTS									
BOILER HORSE POWER	HOURLY GAS INPUT (1,000 BTU)	GROSS HOURLY OUTPUT	FUEL OPTIONS	POUNDS OF STEAM PER HOUR (1)	MODULATION OPTION	LOW NOX EMISSIONS OPTION*	NORMAL WATER CAPACITY (U.S. GAL)	FLOODED WATER WEIGHT (LBS)	SHIPPING WEIGHT (POUNDS)
									15 PSI
10	418	335	NG, LP	296	3 to 1	30 PPM	125	1,301	2,260
20	837	670	NG, LP	592	3 to 1	30 PPM	123	1,254	2,430
30	1,255	1,004	NG, LP	887	3 to 1	30 PPM	192	1,966	2,910
40	1,674	1,339	NG, LP	1,182	3 to 1	30 PPM	186	1,919	3,120
50	2,092	1,674	NG, LP	1,478	3 to 1	30 PPM	180	1,863	3,250
60	2,511	2,009	NG, LP	1,774	3 to 1	30 PPM	175	1,825	3,330
70	2,929	2,343	NG, LP	2,069	3 to 1	30 PPM	265	2,702	4,200
80	3,348	2,678	NG, LP	2,365	3 to 1	30 PPM	259	2,655	4,380
100	4,184	3,348	NG, LP	2,957	3 to 1	30 PPM	374	3,655	5,020
125	5,231	4,184	NG, LP	3,695	3 to 1	30 PPM	333	3,519	5,430
150	6,277	5,021	NG, LP	4,434	3 to 1	30 PPM	435	4,662	7,230
200	8,369	6,695	NG, LP	5,912	3 to 1	30 PPM	553	5,853	8,980
250	10,461	8,369	NG, LP	7,390	3 to 1	30 PPM	679	7,238	10,230
300	12,553	10,043	NG, LP	8,869	3 to 1	30 PPM	830	8,982	11,200

(1) From 50 degrees F. feed water to atmospheric pressure.

GAS REQUIREMENTS

Main and pilot gas pressure regulators are provided with each boiler. Standard pressure range is 1 to 5 PSI.

ELECTRICAL REQUIREMENTS

A single incoming power connection is required to the junction box provided at the hinge of all boilers. Boilers are wired for jobsite supply power characteristics.

STACK REQUIREMENTS

Design stack to provide .02" to .04" water column draft at flue outlet. Smooth transitions and bends are required. Maximum stack weight on boiler should be 1,000 pounds on 10 to 80 HP and 2000 pounds for 100 to 800 HP units.

AIR REQUIREMENTS

Provide 1/2 square foot of free air inlet area per 1,000,000 BTU input to the burner. Cross ventilation is preferred in lieu of a single opening.

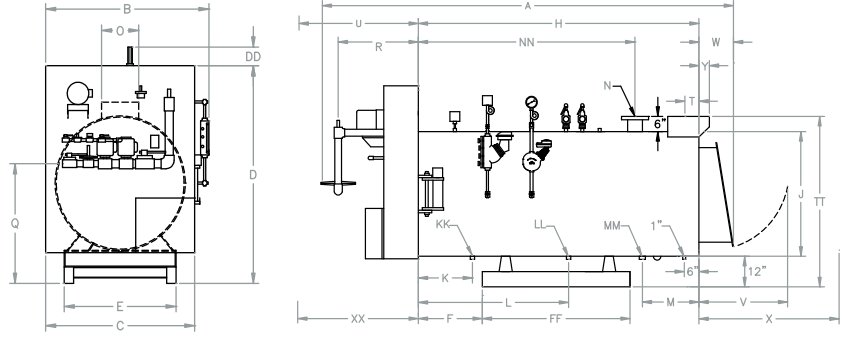
STANDARD EQUIPMENT FURNISHED

- **Boiler Shell with High Efficiency**
- **Heat Extractors and Handhole Assemblies**
- **2" Insulation with Steel Jacket**
- **Welded Structural Steel Base**
- **Operating Pressure Controls**
- **Multi-Flame Burner Assembly**
- **Epoxy Phenolic Shell Lining**
- **Copper Clad Tubes**
- **High Limit with Manual Reset**
- **Pressure Gauge, 4-1/2" Dial Type**
- **Pop Safety Valve.**
- **Dual LWCO's (Secondary Float with Manual Reset)**
- **Control Panel with Flame Safeguard**
- **Time Delay**
- **Solenoid Feedwater Valve Installed**
- **Flue Temperature Gauge**
- **Bottom Blowdown Valve Installed**
- **Automatic Surface Blowdown Installed**

Sellers Fits Where Others Won't

NOTES

1. Dimensions are accurate for layout but are subject to change. Certified prints are available upon request.
2. Lifting lugs and insulation are not shown on drawing. The manhole, when furnished, is not shown.
3. Openings are threaded unless indicated:
f = Class 150 ASA flange. F = Class 300 ASA flange.
Threaded couplings project 2" or less.
4. Provide "R + 12" clearance from hinge to wall to open door.
5. Gas train may change with gas type and pressure.
6. Outside diameter and dimensions are shown.
7. Provide "J + 7" clearance from hinge on 200 HP and larger boilers to swing hinged back plate.
8. Tubes may be removed from either front or rear.



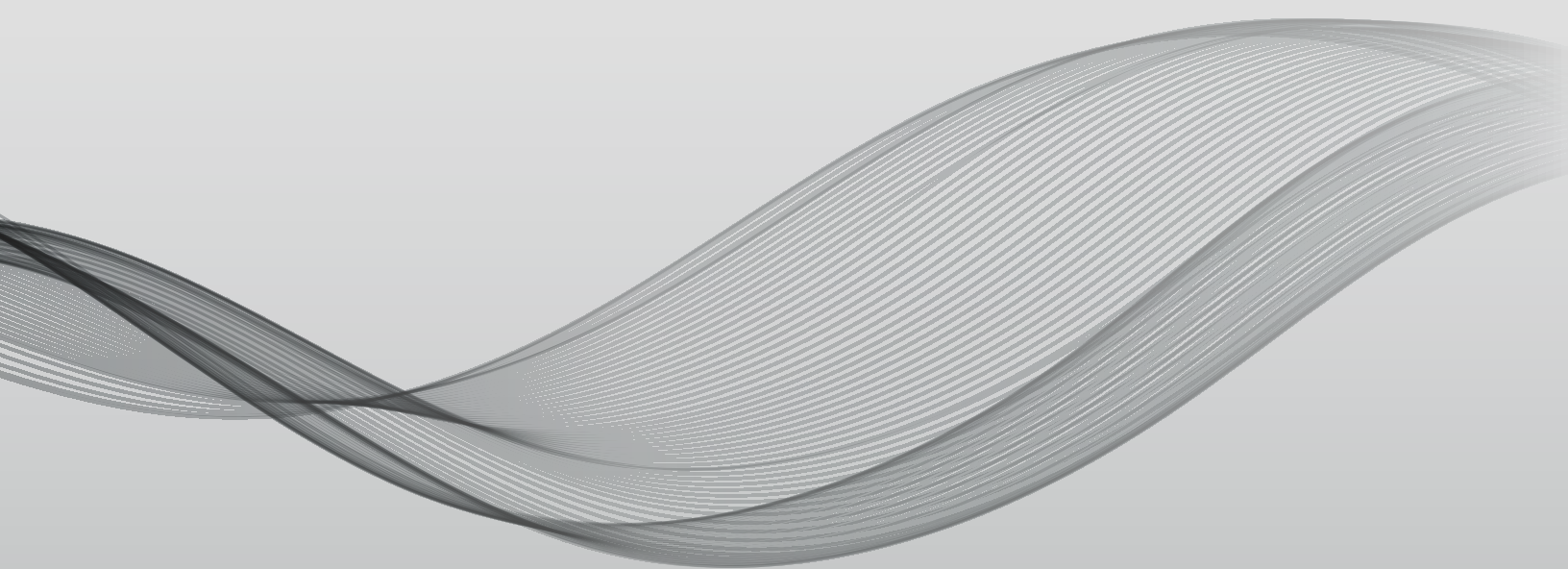
MODEL NUMBER DESIGNATIONS

	PRESSURE	15 PSI
SIZE	40-125 HP 150-800 HP	MODEL 15C MODEL 15SR

STEAM BOILER DIMENSIONS															
HORSEPOWER		10	15	20	30	40	50	60	80	100	125	150	200	250	300
OVERALL DIMENSIONS:															
LENGTH	A	141	141	141	147	147	147	149	151	160	160	190	198	204	214
WIDTH	B	36	36	36	42	42	42	47	47	56	56	61	69	75	87
BURNER WIDTH	C	29	29	29	35	35	35	40	40	51	51	55	66	72	84
BURNER HEIGHT	D	53	53	53	61	61	61	68	68	74	74	77	94	97	103
SECONDARY AIR CAP HEIGHT	DD	6	6	6	6	6	6	6	6	6	-	-	-	-	-
BASE:															
WIDTH	E	24	24	24	24	24	24	30	30	36	36	42	48	54	54
LOCATION	F	20	20	20	20	20	20	20	20	26	26	3	3	3	3
LENGTH	FF	60	60	60	60	60	60	60	60	60	60	104	104	104	104
SHELL:															
LENGTH	H	108	108	108	108	108	108	108	108	114	114	136	136	140	140
DIAMETER INSIDE	J	24	24	24	30	30	30	36	36	42	42	48	54	60	60
SHELL CONNECTIONS:															
BLOWDOWN SIZE	KK	1	1	1	1	1.25	1.25	1.25	1.5	1.5	1.5	1.5	2	2	2
BLOWDOWN LOCATION	K	16	16	16	16	16	16	16	16	22	22	34	34	34	34
MANUAL FILL SIZE	LL	-	-	-	-	-	-	-	-	-	-	2	2	2.5	2.5
MANUAL FILL LOCATION	L	-	-	-	-	-	-	-	-	-	-	82	82	82	82
FEEDWATER INLET SIZE	MM	1	1	1	1.25	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2.5	2.5
FEEDWATER INLET LOCATION	M	23	23	23	23	23	23	23	23	23	23	24	24	28	28
STEAM OUTLET LOCATION	NN	82	82	82	82	82	82	82	82	88	88	111	111	111	111
LOW PRESSURE (15 PSI) BOILERS:															
STEAM OUTLET SIZE (NOTE 3)	N	3	3	4f	4f	6f	6f	6f	8f	8f	8f	8f	10f	10f	12f
HIGH PRESSURE (150 PSI) BOILERS:															
STEAM OUTLET SIZE (NOTE 3)	N	1.5	1.5	1.5	2	3	3	3	3	4F	4F	4F	6F	6F	6F
SURFACE BLOWDOWN SIZE	P	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
GAS CONNECTIONS:															
MAIN BURNER VALVE IPS (NOTE 5)	QQ	1	1.25	1.5	1.5	2	2	2.5	3	3	3	2	2.5	3	3
VERTICAL LOCATION	Q	33	33	33	36	36	36	39	39	42	42	46	48	48	48
HORIZONTAL LOCATION (NOTE 4)	R	20	20	20	22	22	22	24	28	28	28	32	36	40	50
PILOT BURNER VALVE IPS	S	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1
FLUE CONNECTIONS:															
FLUE SIZE (NOTE 6)	O	6	6	8	8	10	10	10x10	10x15	10x18	10x20	10x22	10x28	14x26	14x30
FLUE LOCATION	T	5	5	6	6	7	7	5	5	5	5	5	5	7	7
FLUE HEIGHT	TT	43	43	43	49	49	49	55	55	61	61	67	73	79	79
INSTALLATION CLEARANCES:															
COMBUSTION ASSEMBLY SWING	U	37	37	37	46	46	46	51	53	62	62	68	81	87	101
RELIEF DOOR SWING (NOTE 7)	V	17	17	17	18	18	18	20	20	24	24	36	41	41	41
TUBE REMOVAL, FRONT (NOTE 8)	XX	73	73	73	73	73	73	73	73	66	66	88	88	88	88
TUBE REMOVAL, REAR (NOTE 8)	X	71	71	71	71	71	71	71	71	72	72	94	94	90	90
RELIEF DOOR	VV	10	10	10	10	10	10	10	10	11	11	14	16	15	15
BLOWER HORSEPOWER:		0.75	1	1	1.5	1.5	2	3	3	5	5	5	7.5	10	15

Note: All Dimensions in Inches

DURABLE.
RELIABLE.
PROVEN.



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