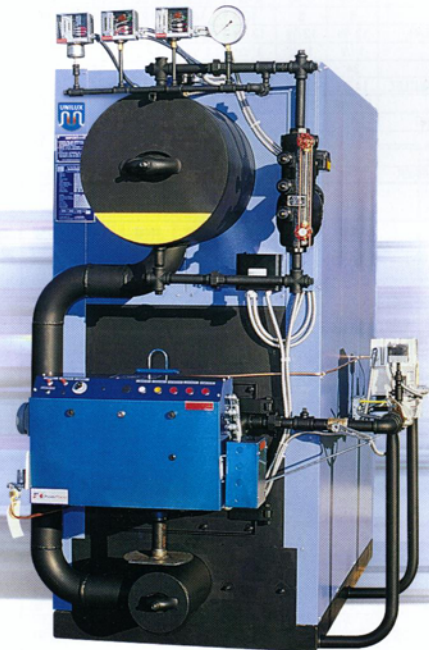


SPECIFICATION DATA

MULTIPASS FLEXIBLE WATERTUBE BOILERS

LOW PRESSURE STEAM BOILER



The Ultimate Heat

UNILUX BOILER CORPORATION

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"From commercial comfort to industrial process"

DIMENSIONS

BOILER MODEL - LS	100	150	200	250	300	350	400	500	600	700	800	900
A LENGTH OF BASE	51 1/4	63 1/4	63 1/4	72 1/4	72 1/4	78 1/4	87 1/4	99 1/4	111 1/4	120 1/2	120 5/8	129 5/8
A1 LENGTH OF SUPPORT FROM BASE	—	—	—	—	—	—	—	—	—	—	—	—
B HEIGHT	76 9/16	76 9/16	83 9/16	83 9/16	88 9/16	88 9/16	88 9/16	92 13/16	92 13/16	95 13/16	102 13/16	102 13/16
C WIDTH OF BASE	35 1/2	35 1/2	39 1/2	39 1/2	43 1/2	43 1/2	43 1/2	45 1/2	45 1/2	47 1/2	51 1/2	51 1/2
D CTR. LOWER DRUM TO CTR. UPPER DRUM	54	54	59	59	64	64	64	67	67	70	75	75
E CENTER OF LOWER DRUM TO BOTTOM	9 9/16	9 9/16	9 9/16	9 9/16	9 9/16	9 9/16	9 9/16	10 13/16	10 13/16	10 13/16	12 13/16	12 13/16
F CENTER OF BURNER OPENING TO BOTTOM	25 1/8	25 1/8	27 1/8	27 1/8	29 3/8	29 3/8	29 3/8	33	33	34 5/8	38 5/8	38 5/8
G OUTLET NOZZLE, NPS	2	2 1/2	3 1/2	3 1/2	4	4 1/2	4 1/2	5	5	6	6	6
H DRUM CLEARANCE FROM TOP, FRONT	18 5/8	18 5/8	18 5/8	18 5/8	18 5/8	18 5/8	18 5/8	19 5/8	19 5/8	19 5/8	19 5/8	19 5/8
J CENTER OF FLUE GAS OUTLET TO REAR	14	14	15	15	16	16	17	17	18	19	19	20
K DRUM CLEARANCE FROM BASE, FRONT	13 1/8	13 1/8	13 1/8	13 1/8	13 1/8	13 1/8	13 1/8	14 1/8	14 1/8	14 1/8	14 1/8	15 1/8
L TUBE REMOVAL CLEARANCE FROM BASE	18	18	22	22	26	26	26	28	28	30	34	34
M UPPER DRUM, O.D., NPS	16	16	20	20	20	20	20	20	20	20	20	20
N LOWER DRUM, O.D., NPS	8 5/8	8 5/8	8 5/8	8 5/8	8 5/8	8 5/8	8 5/8	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
O FLUE GAS OUTLET, I.D.	8	8	10	10	12	12	14	14	16	18	18	20
P DRUM CLEARANCE FROM BASE, REAR	12 3/8	12 3/8	12 3/8	13 3/8	13 3/8	13 3/8	13 3/8	14 7/8	14 7/8	15 1/2	15 7/8	15 7/8
Q BLOWDOWN, NPT	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
R BURNER DIMENSION	34	34	34	38	38	38	38	38	38	46	46	46
S CTR. OF UPPER DRUM TO TOP OF OUTLET	14 1/2	14 1/2	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2	16 1/2
T CTR. OF OUTLET TO ENCLOSURE	24 7/16	30 1/2	30 1/2	35 1/16	35 1/16	35 1/16	42 9/16	48 5/16	54 5/16	59 3/16	59 3/16	63 11/16
U INLET, 3000 PSI ASA HALF COUPLING	1	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
V FEED WATER INLET FROM BASE	43 9/16	43 9/16	46 9/16	46 9/16	51 9/16	51 9/16	55 9/16	55 9/16	55 9/16	58 13/16	65 13/16	65 13/16
W OVERALL BOILER LENGTH	82 1/4	94 1/8	94 1/8	104 3/8	104 3/8	110 3/8	119 3/4	133 3/8	145 7/8	155 5/8	155 5/8	164 5/8
X OVERALL BOILER LENGTH WITH BURNER	97 5/8	109 5/8	109 5/8	123 5/8	123 5/8	129 5/8	138 5/8	151 11/16	163 11/16	182	182 1/8	191 1/8

BOILER MODEL - LS	1000	1200	1400	1600	1800	2000	2250	2500	2750	3000	3500
A LENGTH OF BASE	141 5/8	159 7/8	174 7/8	186 7/8	186 7/8	195 7/8	205 11/16	221 3/4	237 7/8	237 7/8	266
A1 LENGTH OF SUPPORT FROM BASE	—	—	—	—	—	—	TBA	TBA	TBA	TBA	TBA
B HEIGHT	102 13/16	106 13/16	106 13/16	106 13/16	115 5/8	115 5/8	148 11/16	148 11/16	148 11/16	158 5/8	167 1/8
C WIDTH OF BASE	51 1/2	55 1/2	55 1/2	59 1/2	65 1/2	71 1/2	96	96	96	102	102
D CTR. LOWER DRUM TO CTR. UPPER DRUM	75	79	79	79	84 1/2	84 1/2	113	113	113	118	127
E CENTER OF LOWER DRUM TO BOTTOM	12 13/16	12 13/16	12 13/16	12 13/16	13 13/16	13 13/16	15 11/16	15 11/16	15 11/16	17 3/8	17 3/8
F CENTER OF BURNER OPENING TO BOTTOM	38 5/8	40 5/8	40 5/8	40 5/8	42 5/8	42 5/8	57 3/8	57 3/8	57 3/8	58 3/8	60 3/8
G INLET / OUTLET FLANGE CLASS 150	5	6	6	6	6	8	8	8	8	8	8
H NOZZLE CLEARANCE FROM TOP, FRONT	19 5/8	19 5/8	19 5/8	19 5/8	20 5/8	20 5/8	22 1/8	22 1/8	22 1/8	24 1/4	24 1/4
J CENTER OF FLUE GAS OUTLET TO REAR	20	21	22	23	23	23	27	27	28	28	29
K DRUM CLEARANCE FROM BASE, FRONT	15 1/8	15 1/8	15 1/8	15 1/8	20 7/16	20 7/16	21 1/8	21 1/8	21 1/8	24	24
L TUBE REMOVAL CLEARANCE FROM BASE	34	38	38	42	48	54	70	70	70	76	76
M UPPER DRUM, O.D., NPS	20	20	20	20	24	24	26	26	26	32	32
N LOWER DRUM, O.D., NPS	10 3/4	10 3/4	10 3/4	10 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	16	16
O FLUE GAS OUTLET, I.D.	20	22	24	24	26	26	28	28	30	30	32
P NOZZLE CLEARANCE FROM BASE, REAR	16 7/16	16 7/16	15 7/16	15 7/16	17 7/16	17 7/16	18 3/8	18 3/8	18 3/8	20 1/2	20 1/2
Q BLOWDOWN, NPT	1 1/2	2	2	2	2	2	2	2	2	2	2
R BURNER DIMENSION	46	46	46	46	46	46	46	46	46	46	46
S CTR. OF UPPER DRUM TO TOP OF OUTLET	16 1/2	16 1/2	16 1/2	16 1/2	18 1/2	18 1/2	21 1/2	21 1/2	21 1/2	24 1/2	24 1/2
T CTR. OF OUTLET TO ENCLOSURE FRONT	69 11/16	78 3/4	86 5/16	92 5/16	92 5/16	96 7/8	101 5/8	108 5/8	117 11/16	117 11/16	131 3/4
U INLET, 3000 PSI ASA HALF COUPLING	2	2	2	2	2 1/2	2 1/2	2 1/2	3	3	3	3
V FEED WATER INLET FROM BASE	65 13/16	69 13/16	69 13/16	69 13/16	74 3/8	74 3/8	103 11/16	103 11/16	103 11/16	107 3/8	116 3/8
W OVERALL BOILER LENGTH	177 11/16	195 11/16	209 13/16	221 3/8	224 7/8	233 15/16	245 15/16	262	278 1/8	282 5/8	310 7/8
X OVERALL BOILER LENGTH WITH BURNER	204 1/8	222 5/8	236 5/8	248 5/8	250 5/8	259 5/8	270 1/8	286 5/8	302 1/4	304 3/8	332 1/2

BOILER MODEL - LS	4000	4500	5000	5500	6000	6500	7000	7500
Consult Factory								

ALL
DIMENSIONS
SHOWN IN
INCHES

Note: Dimensions subject to
change without notice.
Consult factory for certified
dimensions.



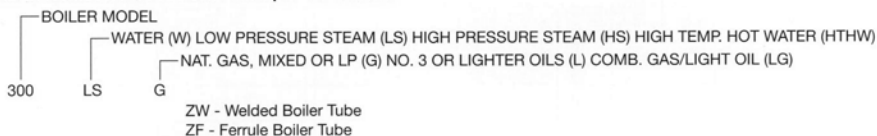
The Ultimate Heat

Note: Burner dimension "R" is based upon approximate lengths of combustion equipment.
Actual dimensions for "R" and "X" may vary accordingly.

UNILUX "LS" BOILER CAPACITIES:

BOILER MODEL LS	MAXIMUM FUEL INPUT BTU/HR IN THOUSANDS	HEAT OUTPUT AT BOILER OUTLET BTU/HR IN THOUSANDS	OUTPUT STEAM LBS/HR FROM AND/AT 212°F	APPROX. BOILER HORSE POWER	SHIPPING WEIGHT LBS	OPERATING WEIGHT LBS	OPERATING LEVEL WATER VOLUME U.S. GALLONS
100	1250	1037	1068	31	3910	4380	56
150	1750	1450	1493	43.5	4370	4940	69
200	2200	1826	1880	54.5	5250	5930	82
250	2750	2280	2350	68	5810	6610	97
300	3000	2490	2665	74	6300	7160	103
350	3750	3110	3205	93	6660	7590	112
400	4300	3570	3675	106.5	7235	8270	125
500	5400	4480	4616	134	8780	10190	168.5
600	6250	5187	5345	155	9660	11220	188
700	7200	5976	6155	178.5	10700	12460	210
800	8000	6640	6840	198	12190	14050	224
900	9000	7470	7695	223	13000	15055	246
1000	10000	8300	8550	245	14200	16445	268.5
1200	12000	9960	10260	294	16500	19155	320
1400	14000	11620	11970	343	17800	20690	348
1600	16000	13280	13680	392	19900	23120	385
1800	18000	14940	15390	441	22600	26645	485
2000	20000	16600	17100	490	25100	29555	535
2250	24000	19920	20515	595	38800	46455	917
2500	27000	22410	23080	670	40950	49195	990
2750	29000	24070	24790	719	42950	51790	1061
3000	34000	28220	29065	843	47100	57830	1285
3500	38000	31540	32485	942	52520	63790	1350
4000	CONSULT FACTORY						
4500							
5000							
5500							
6000							
6500							
7000							
7500							

ORDER NUMBER PROCEDURE: Example - ZF 300LSG



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
DIMENSIONS MUST BE CONFIRMED FOR CONSTRUCTION.

STANDARD EQUIPMENT:

- COMBINATION THERMOMETER/PRESSURE GAUGE
- LWCO • RELIEF VALVES • BURNER OPERATING AND SAFETY TEMPERATURE CONTROLS

UNILUX BOILER REPRESENTATIVE:

ALL BURNER EQUIPMENT UL, CSA APPROVED

