

SPECIFICATION DATA

MULTIPASS FLEXIBLE WATERTUBE BOILERS

HIGH PRESSURE STEAM BOILERS



The Ultimate Heat

Form #: ZHSGP01

UNILUX BOILER CORPORATION

140 Hanlan Road,
Woodbridge, Ontario L4L 3P6
Phone: (905) 851-3981 Fax: (905) 851-3987
E-mail: info@uniluxboilers.com
Web Site: www.uniluxboilers.com

"From commercial comfort to industrial process"

DIMENSIONS

BOILER MODEL - HS	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 3/8	129 5/8
A1 LENGTH OF SUPPORT FROM BASE	-	-	-	-	-	-	-	-	-	-	-	-
B HEIGHT	76 9/16	76 9/16	83 3/16	83 3/16	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 7/8	25 7/8	27 7/8	27 7/8	29 7/8	29 7/8	29 7/8	33	33	34 5/8	38 5/8	38 5/8
G OUTLET NOZZLE, NPS	1 1/2	2	2 1/2	2 1/2	3	3	3	4	4	4	5	5
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 11/16	14 11/16	14 11/16	14 11/16	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 7/16	14 7/16	15 1/2	15 1/2	15 7/16
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 FRONT	24 7/16	30 1/2	30 1/2	35 1/16	35 1/16	38 1/16	42 9/16	45 9/16	54 9/16	59 9/16	63 11/16	63 11/16
U INLET, 3000 PSI ASA HALF COUPLING	1	1	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	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	51 9/16	55 9/16	55 9/16	58 13/16	65 13/16	65 13/16
W OVERALL BOILER LENGTH	82 13/16	94 7/8	94 7/8	104 13/16	104 13/16	110 13/16	120	133 5/8	145 3/8	155 1/2	155 1/2	164 1/2
X OVERALL BOILER LENGTH WITH BURNER	103 5/8	115 3/8	115 3/8	129 1/8	129 1/8	135 1/8	144 1/2	157 7/8	169 3/4	188 1/8	188 1/8	197 1/8

BOILER MODEL - HS	1000	1200	1400	1600	1800	2000	2250	2500	2750	3000	3500
A LENGTH OF BASE	141 5/8	159 3/8	174 7/8	186 7/8	186 3/4	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
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	158 11/16	158 3/8	167 3/8
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 5/16	40 5/16	40 5/16	40 5/16	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 1/16	20 1/16	21 7/8	21 7/8	21 7/8	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 1/8	16 1/8	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	109 5/8	117 11/16	117 11/16	131 3/4
U INLET, 3000 PSI ASA HALF COUPLING	1 1/2	2	2	2	2	2	2	2	2 1/2	2 1/2	2 1/2
V FEED WATER INLET FROM BASE	65 13/16	69 13/16	69 13/16	69 13/16	74 3/16	74 3/16	103 11/16	103 11/16	103 11/16	107 3/8	116 3/8
W OVERALL BOILER LENGTH	177 1/4	194 3/4	214 3/4	226 3/4	228 3/4	238 1/4	262 13/16	278 7/8	295	295	323 3/8
X OVERALL BOILER LENGTH WITH BURNER	209 13/16	227 5/8	244 13/16	256 13/16	258 13/16	268 5/8	286 11/16	302 1/4	318 3/8	318 3/8	347

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

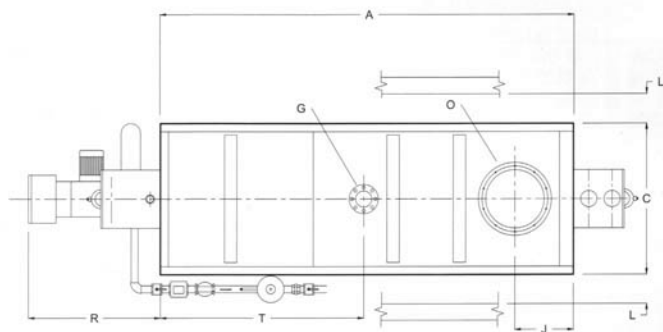
ALL DIMENSIONS SHOWN IN INCHES

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

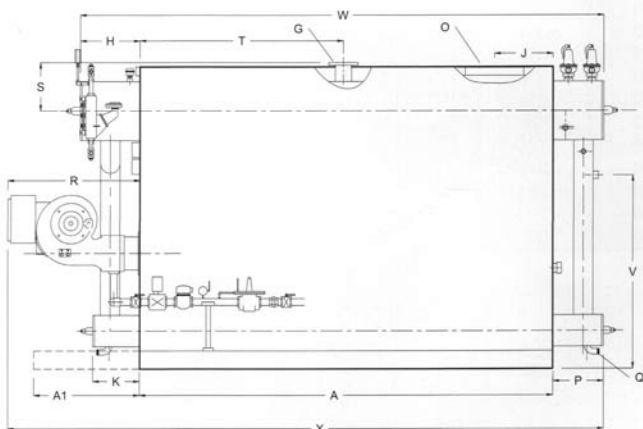


The Ultimate Heat

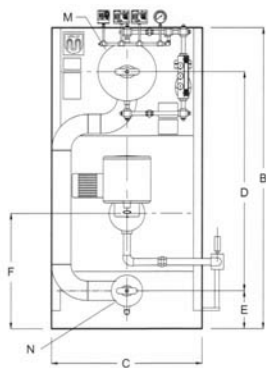
Note: Burner dimension "R" is based upon approximate lengths of combustion equipment. Actual dimensions for "R" and "X" may vary accordingly.



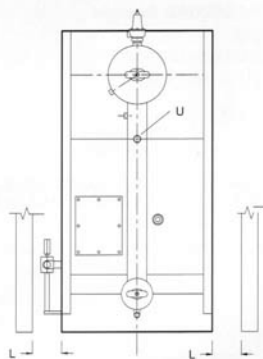
TOP VIEW



SIDE VIEW



FRONT VIEW

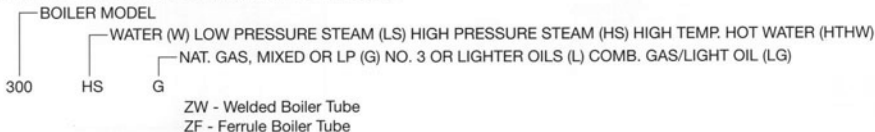


REAR VIEW

UNILUX "HS" BOILER CAPACITIES:

BOILER MODEL HS	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	1013	999	30.5	4170	4640	56
150	1750	1418	1396	42.5	4665	5235	69
200	2200	1782	1759	53	5530	6210	82
250	2750	2228	2197	66.5	6200	7000	97
300	3000	2430	2400	72.5	6700	7560	103
350	3750	3038	2997	91	7090	8020	112
400	4300	3463	3440	104	7700	8735	125
500	5400	4374	4317	130.5	9300	10710	168.5
600	6250	5063	4998	151	10200	11760	188
700	7200	5832	5758	174	11280	13040	210
800	8000	6480	6398	194	12785	14645	224
900	9000	7290	7199	218	13600	15655	246
1000	10000	8100	7999	242	14850	17095	268.5
1200	12000	9720	9298	290	17250	19905	320
1400	14000	11340	11198	339	18590	21480	348
1600	16000	12960	12797	387	20720	23940	385
1800	18000	14580	14397	435.5	23500	27545	485
2000	20000	16200	15997	484	26100	30555	535
2250	24000	19440	19196	581	40000	47655	917
2500	27000	21870	21595	653	42200	50445	990
2750	29000	23490	23195	702	44300	53140	1061
3000	34000	27540	27194	823	49050	59780	1285
3500	38000	30780	30395	919.5	55000	66270	1350
4000	CONSULT FACTORY						
4500							
5000							
5500							
6000							
6500							
7000							
7500							

ORDER NUMBER PROCEDURE: Example - ZF 300HSG



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

UNILUX BOILER REPRESENTATIVE:

STANDARD EQUIPMENT:

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

ALL BURNER EQUIPMENT UL, CSA APPROVED

