



HURST

BOILER & WELDING CO., INC.

AVAILABLE WITH LOW NOX

HURST SERIES LPW

3-PASS MODIFIED SCOTCH DESIGN
Compact Fire Tube Construction

Hot Water Applications
30 PSI Standard
60 PSI Water Optional

THROUGH THE DOOR DESIGN!



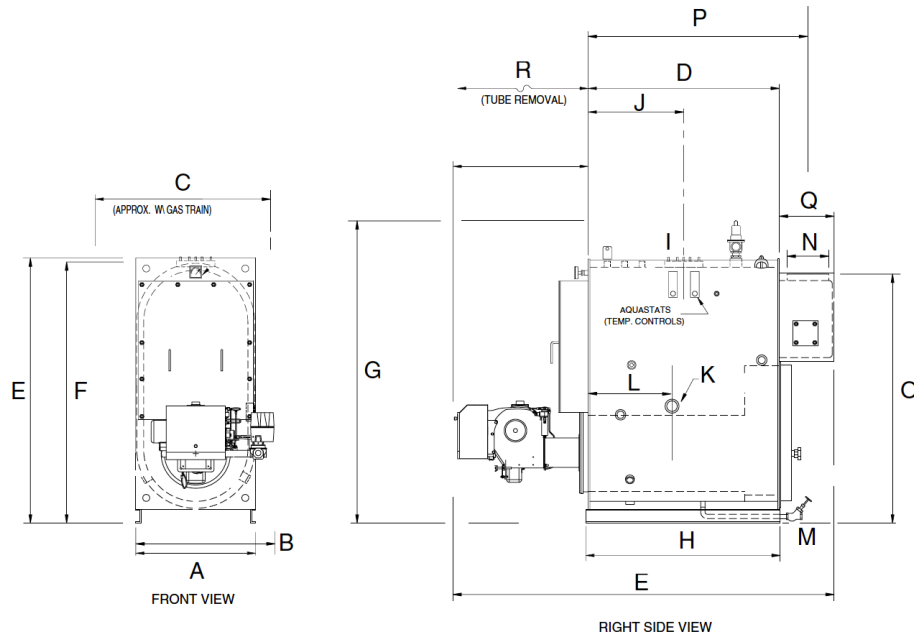
LOW PRESSURE BOILER

Capacities from 30 to 125 BHP.
1260 to 5250 MBTU/HR.

SKID MOUNTED
MODULAR PACKAGED

HURST PERFORMANCE SERIES BOILERS

SERIES LPW



BOILER SPECIFICATIONS

BOILER HORSEPOWER

			30	40	50	60	70	80	100	125
FIRESIDE HEATING SURFACE		SQ. FT.	120	160	200	235	284	338	418	511
FURNACE VOLUME		CU. FT.	7.85	9.88	11.9	16.5	19.4	22.4	25.3	29.0
GROSS OUTPUT		MBH	1004	1339	1674	2009	2343	2678	3348	4184
FIRING RATE GAS	1,000 BTU CU./FT.	CFH	1260	1680	2100	2520	2940	3360	4200	5250
FIRING RATE LIGHT OIL	140,000 BTU	GPH	9	12	15	18	21	24	30	37.4

A	WIDTH WITHOUT TRIM	IN	31	31	31	34.5	34.5	34.5	34.5	34.5	A
B	WIDTH WITH TRIM	IN	38	38	38	42	42	42	42	42	B
C	OVERALL WIDTH W/ GAS TRAIN	IN	49	49	49	52	52	52	52	52	C
D	BOILER LENGTH	IN	37	49	61	55	67	79	91	106	D
E	OVERALL LENGTH W/ STD. BURNER	IN	86	98	114	111	123	140	152	169	E
F	SUPPLY HEIGHT	IN	71.5	71.5	71.5	76.625	76.625	76.625	76.625	76.625	F
G	HEIGHT WITH TRIM	IN	80	80	83	88	88	88	93	93	G
H	LENGTH OF SKID	IN	37.5	49.5	61.5	55.5	67.5	79.5	91.5	106.5	H
I	SUPPLY SIZE	IN	4	4	4	6	6	6	6	6	I
J	SUPPLY LOCATION	IN	18.5	24.5	30.5	17.5	33.5	39.5	45.5	50.5	J
K	RETURN SIZE	IN	4	4	4	4	4	4	4	4	K
L	RETURN LOCATION	IN	27.25	27.25	27.25	32	32	32	32	32	L
M	BOILER DRAIN SIZE	IN	1	1.25	1.25	1.25	1.5	1.5	1.5	1.5	M
N	STACK DIAMETER, O.D.	IN	10	10	10	12	12	12	12	14	N
O	STACK HEIGHT	IN	66.75	66.75	66.75	70.25	70.25	70.25	70.25	72	O
P	TO CENTER OF STACK	IN	6.875	6.875	6.875	8.25	8.25	8.25	8.25	9.25	P
Q	REAR SMOKEBOX DEPTH	IN	13.75	13.75	13.75	15.75	15.75	15.75	15.75	17.75	Q
R	TUBE PULL SPACE	IN.	38	50	62	56	68	80	92	107	R
	SHIPPING WEIGHT	LBS	3050	3800	4500	4500	5285	6100	6950	8010	
	WATER CONTENT - WATER	GAL.	134	180	232	243	298	376	404	463	
BOILER HORSEPOWER			30	40	50	60	70	80	100	125	



Designed, constructed and stamped in accordance with the requirements of the ASME Boiler Codes.

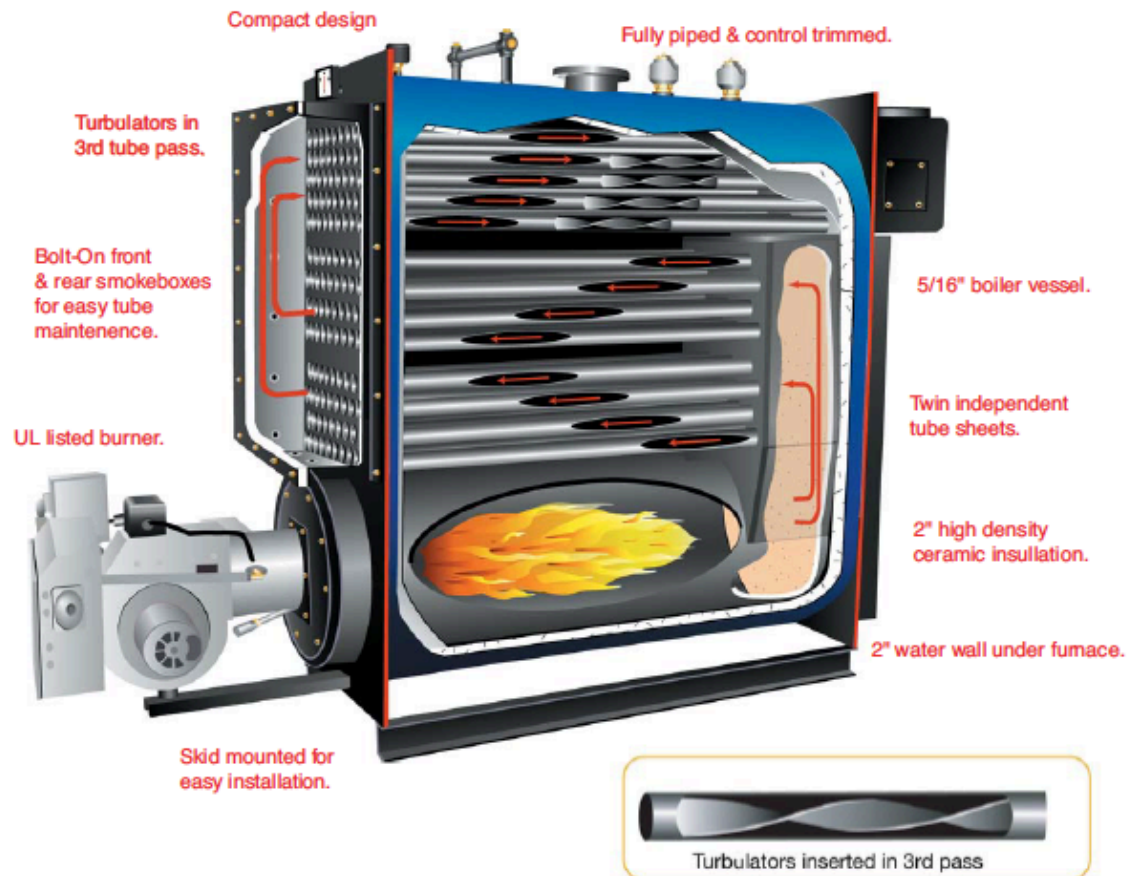


Inspected and registered with the National Board of Boiler & Pressure Vessel Inspectors.

DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE, CERTIFIED DRAWINGS AVAILABLE ON REQUEST
4" CONNECTIONS ARE FEMALE THREADED, 6" CONNECTIONS ARE 150 LB. STUDD'G.FLG.

Through The Door Design

Low Pressure Three Pass Design



STANDARD EQUIPMENT

BOILER: Three pass design for 30 psi hot water (available for 60 psi water). Factory assembled with trim and, tested in accordance with ASME code, UL, and CSD-1 codes. Steel turbulators inserted in third pass for maximum heat-transfer control.

STANDARD BOILER TRIM: Kunkle safety relief valve, operating temperature control, high limit temperature control with manual reset, 3 1/2" combination pressure & temperature gauge, M&M 750 low water cut-off control with manual reset.

BURNER: UL listed with pre-piped, wired and factory tested forced draft power burners for:

- Natural Gas
- Propane (LP) Gas
- No. 2 (Diesel) Oil
- Combination Gas/Oil.

- Factory Assembled, Pre-wired and Tested
- No Field Assembly Required
- UL Listed Boiler/Burner Packages Available
- Fully Assembled, Pre-piped, Pre-wired, Pressure Tested Gas Trains
- Complies with ASME, UL, CSD-1 and ASHRAE Standards
- High Efficiency, Low Stack Temperatures
- Customer Service Support Through National Network of Sales, Service, Start-up Training and Parts by Factory Representatives



Modified Scotch Designed To Fit Through A Standard 36" X 80" Door Opening
Up To 100hp (3,348 Mbh Output).



- Welded steel fire tube boiler, the LPW has extra-heavy 13-gauge tubes for extended life. All tubes are sealed to the tube sheets by rolling and flaring. There are no welded tubes in the LPE.
- Thickest materials used in the industry . . .
Boiler shell is 5/16" thick boiler plate 20-40 HP / 3/8" 50-100 HP.
- Twin boiler tube sheets are 1/2" thick boiler plate.
- Insulation is 2" mineral wool and is lagged with 22-gauge boiler jacket.
- Extra heavy 4" channel iron boiler skids.
- Designed to last with special industrial grade features . . .
 - A. Couplings are 3,000 psi.
 - B. Flanged, detachable front and rear smoke boxes.
 - C. Brass nuts on access panels, brass plugs installed in inspection, crosses and tees on water and steam piping trim.

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