



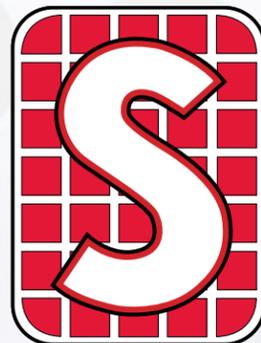
Choice

Since 1930 we have continued to improve our offering of quality, safety, and exceptional value to our respected customers in industry, commerce and healthcare. We have a dedicated customer service team to support our products and offer a full line of after-market and OEM parts. With Superior Boiler Works, you can choose your steam or hot water packaged boiler solution to fit your demanding needs.

We invite you to Demand Superior Performance and Demand Superior Boilers.

Nominal BoHP	70	80	100	125	150	200	250	300	350	400	500	600	700	750	800	900	1000
Unit Model Number	350	400	500	625	750	1000	1250	1500	1750	2000	2500	3000	3500	3750	4000	4500	5000
Output (MBH)	2343	2678	3348	4184	5021	6695	8369	10043	11716	13390	16378	20085	23433	25106	26780	30128	33475
Steam (LBS/HR)	2415	2760	3450	4313	5175	6900	8625	10350	12075	13800	17250	20700	24150	25875	27600	31050	34500
Input Gas (1,000 BTU/FT ³)	2929	3348	4184	5230	6276	8369	10461	12553	14645	16738	20922	25106	29291	31383	33475	37659	41844
Input #2 Oil (140,000 BTU/GAL)	20.91	23.91	29.88	37.35	44.83	59.77	74.72	89.66	104.60	119.55	149.44	179.33	209.21	224.16	239.10	269.00	298.88
Heating Surface (FT ²)	356	415	508	640	760	1033	1268	1520	1774	2030	2527	3027	3539	3769	4044	4527	5035
Furnace Volume (FT ³)	18.93	21.42	27.72	37.22	46.09	60.76	77.93	81.13	97.68	115.2	147.9	185.3	186.9	200.9	191	237	267
Design Pressure*	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Length Overall (IN.)	156	173	200	182	206	216	248	242	270	251	290	303	287	300	300	313	338
Width Overall With Trim (IN.)	73	73	73	80	80	90	90	96	96	110	110	113	124	124	132	132	132
Height Overall (IN.)	85	85	85	92	92	102	102	108	108	119	119	125	133	133	141	141	141
Shipping Weight Approx. 15 psi**	8600	9500	10900	12000	13500	17100	19700	24000	26900	30200	35900	41600	45300	47600	50100	54100	58900
Shipping Weight Approx. 150 psi**	9500	10300	11600	13400	14900	20700	23600	26700	29800	33700	39200	45000	51800	54300	57600	62900	68600

*Higher Pressures are available upon request **Shipping Weights are approximate Dimensions are subject to change without notice. Certified Drawings are available.



"Demand Superior Performance"

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www.superiorboiler.com



Quality • Safety • Exceptional Value

- 4-pass scotch marine design with full wetback construction
- Pressures from 15-300 psi steam and 30-160 psi hot water
- Available with NOx reduction technology to sub 9 ppm
- Sizes from 70-1,500 BoHP

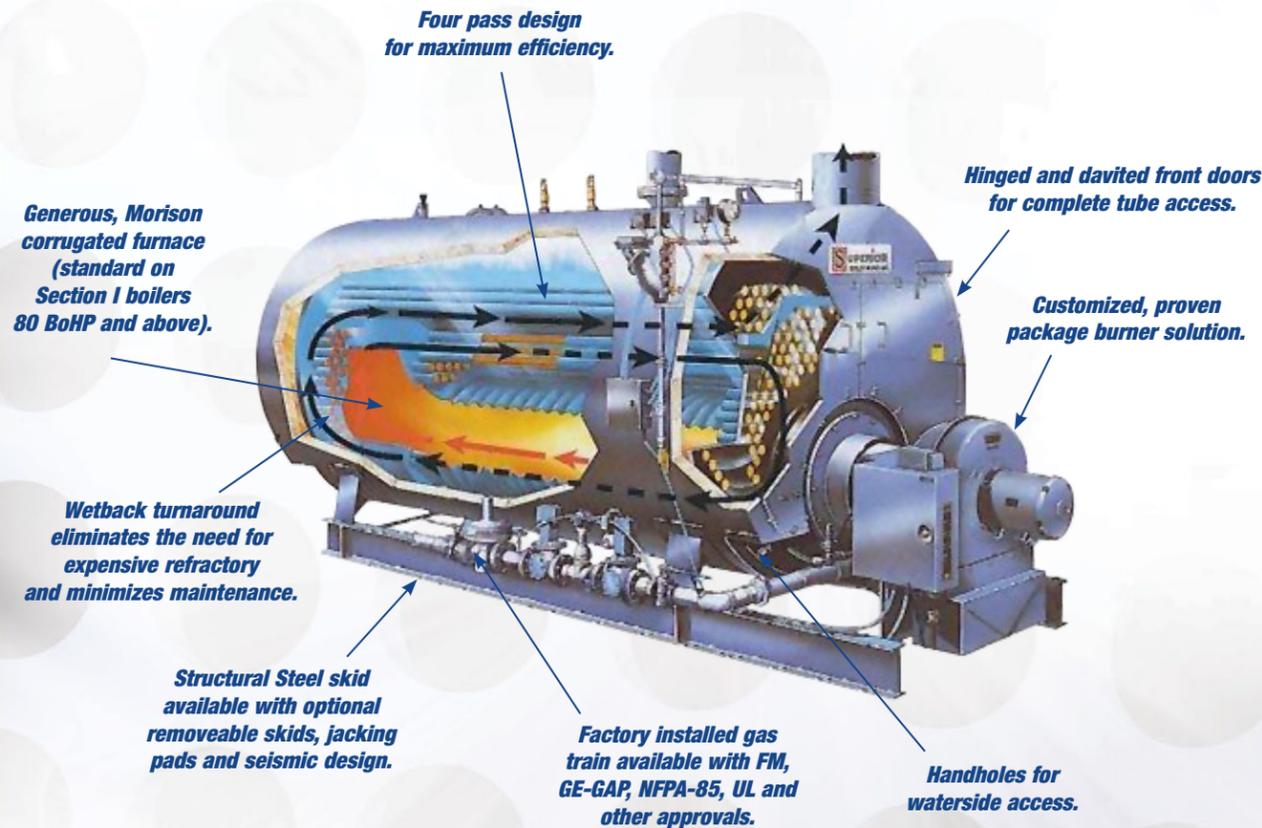


MOHICAN

The Superior Boiler Works' Mohican 4-pass wetback boiler is designed for maximum efficiency, reliability and durability for today's most demanding environments.

Features

- 4 pass wetback design
- Exceptional efficiencies and economical operation
- Corrugated furnaces on ASME Section I high pressure boilers
- Large furnace and rear turnaround volume for complete combustion
- Extended warranty on major PV parts and front/rear smoke box doors
- Packaged with gas, oil, or combination gas & oil burner



Quality

To make the highest quality scotch marine boiler on the market, we began with quality-in-design. The tube sheet, furnace, tubes and other critical components were designed to exceed the ASME code to guarantee a quality product that will last for decades.



The tubesheet is the most critical component in any scotch marine type boiler and Superior's tubesheets exceed the ASME code thickness by 25% in low pressure units and 33% in high pressure units. Thick tube sheets coupled with tubes 10% thicker than ASME code requirements and 3/4" ligament spacing give Superior Boiler Owners more tube seating surface and long equipment life.



For long, trouble free boiler life, it is also vital that combustion be completed within the confines of the firetube. The Mohican is designed with a long furnace made with thicker material than ASME requirements. In addition, the furnaces of high pressure steam Mohican boilers are corrugated to thwart negative effects of expansion and contraction.

Our employees unite each and every day to seek quality in workmanship. Whether we are cutting steel, welding tubesheets to pressure vessels, insulating pressure vessels with two inch 8-lb density mineral fiber, painting galvanized 22 gauge steel jackets with 500°F enamel or piping a gas train, we tailor our products to exceed ASME standards.



Safety



Packaged boilers are trimmed with necessary safeties and code piping and signed off on by code inspectors. Factory mounted and wired, proven and reliable packaged burners are available from all burner manufacturers. Standard burners comply with UL requirements. Code requirements such as CSD-1, IRI, FM, NFPA 85, and CSA are available upon request. Packaged Mohican boilers can be factory firetested to check electrical components for proper operation and ensure smooth ignition and quicker field startups.

Exceptional Value

Superior Boilers offer thicker tubesheets, thicker tubes, large corrugated furnaces, and the ability to factory mount, wire and test UL or CSA listed burners from all burner manufacturers. However there are still more features that make the Mohican an exceptional value. All Mohican boilers have two 3" x 4" handhole openings in the front tube sheet, two handholes on the bottom centerline and an available manway which permits inspection of the bottom of the drum, and facilitates cleaning and tube removal. Full front end and fireside access is standard on all Superior boilers. Our design eliminates the necessity of disconnecting fuel lines when inspection or maintenance functions are required.