



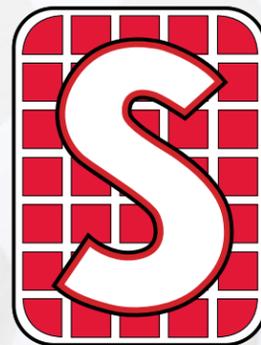
## Choice

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	40	50	60	70	80	100	125	150	200	250	300	350	400	500	600	700	800
Unit Model Number	200	250	300	350	400	500	625	750	1000	1250	1500	1750	2000	2500	3000	3500	4000
Output (MBH)	1339	1674	2009	2343	2678	3348	4184	5021	6695	8369	10043	11716	13390	16738	20085	23432	26780
Steam (LBS/HR)	1380	1725	2070	2415	2760	3450	4312	5175	6900	8625	10350	12075	13800	17250	20700	24150	27600
Input Gas (1,000 BTU/FT <sup>3</sup> )	1673	2092	2511	2928	3347	4185	5230	6276	8368	10461	12553	14645	16737	20922	25106	29290	33475
Input #2 Oil (140,000 BTU/GAL)	11.95	14.94	17.93	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	239.10
Heating Surface (FT <sup>2</sup> )	200	257	305	357	407	510	635	754	1009	1269	1510	1767	2007	2518	3013	3523	4027
Furnace Volume (FT <sup>3</sup> )	8.49	11.46	14.27	16.61	19.08	21.88	27.95	40.54	50.15	55.02	68.86	94.18	109.5	113.4	142.2	169.4	194.3
Design Pressure*	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Length Overall (IN.)	114	136	139	157	144	156	182	176	202	186	215	237	264	236	275	276	287
Width Overall With Trim (IN.)	61	61	65	65	73	73	73	80	80	90	90	99	99	110	110	116	124
Height Overall (IN.)	73	73	77	77	85	85	85	92	92	102	102	108	108	119	119	127	135
Shipping Weight Approx. 15 psi**	5300	6100	6800	7500	8900	9700	11500	13600	15600	18500	21400	26300	29200	33500	38600	43700	51000
Shipping Weight Approx. 150 psi**	5500	6400	7200	8000	9400	10300	12200	14300	16400	20400	23700	28000	31100	35400	40900	47500	55100

\*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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# SUPERIOR

BOILER WORKS, INC.

## Quality • Safety • Exceptional Value

- 2-pass scotch marine design with dryback construction
- Pressures from 15-300 psi steam and 30-160 psi hot water
- Available with NOx reduction technology to sub 9 ppm
- Largest single furnace dryback on the market
- Sizes from 10-2,500 BoHP

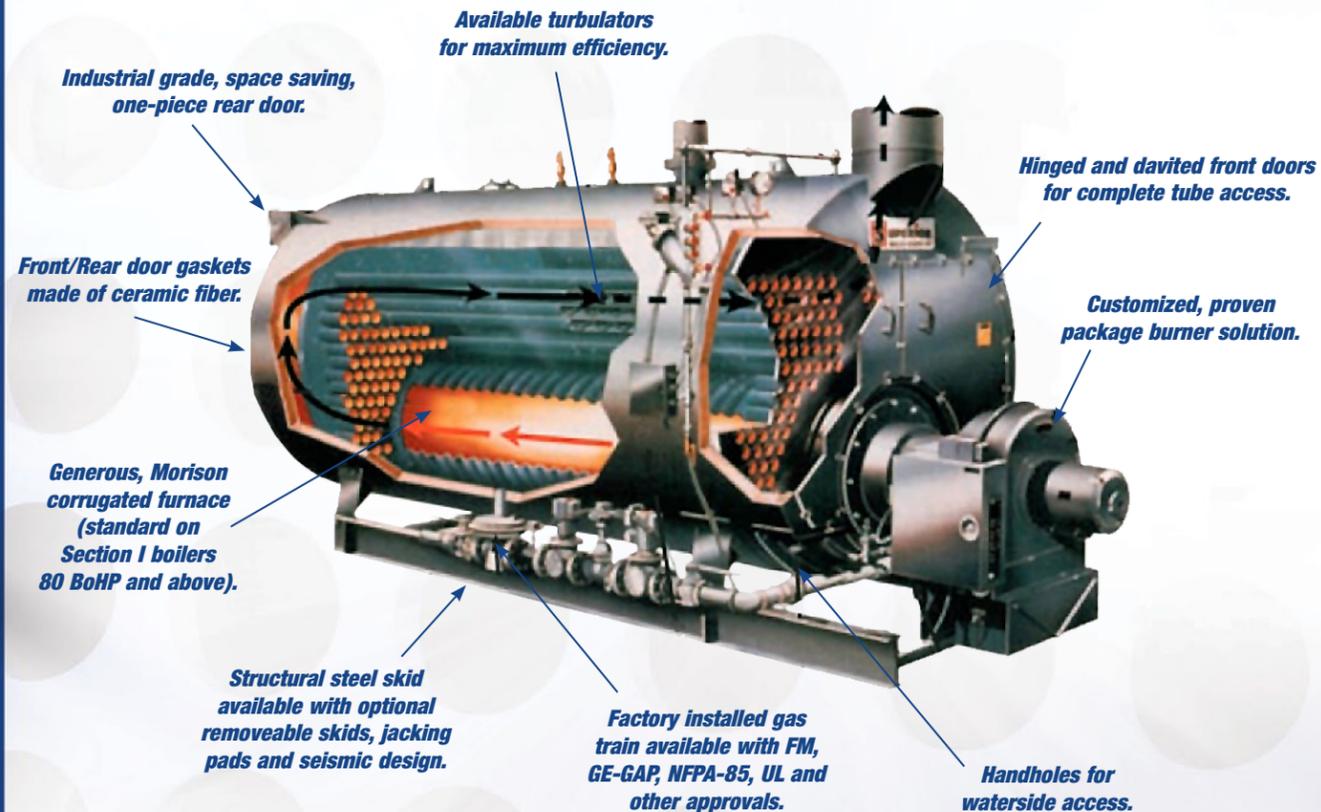


# APACHE

**The Superior Boiler Works' Apache 2-pass dryback boiler is designed for maximum efficiency, reliability and durability for today's most demanding environments.**

## Features

- 2 pass dryback design
- Corrugated furnaces on ASME Section I high pressure boilers
- Large furnace and rear turnaround volume for complete combustion
- Roller-bearing supported single-hinged rear door for total fireside access
- Largest single furnace dryback design with exceptional efficiencies and economical operation
- 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 Apache is designed with a long furnace made with thicker material than ASME requirements. In addition, the furnaces of high pressure steam Apache 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 inspected by authorized, independent code inspectors. Factory mounted and wired packaged, proven and reliable 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 Apache 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 Apache an exceptional value. All Apache 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.