



Associated Boiler Line Equipment Co., Inc.

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PRODUCT LINE

Represented by Associated Boiler Line Equipment Co., Inc. (ABLE Company)
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SCOTCH MARINE FIRETUBE BOILERS

MULTI-PASS WETBACK DESIGN



WICHITA

- + 2-Pass wetback design with davited rear furnace access. (On models 800 BoHP and larger)
- + Pressures from 15-300 psi steam & 30-160 psi hot water.
- + Sizes from 100-2,500 BoHP.
- + Generous furnace volume for low heat releases & simple ultra low NOx compliance.
- + All X-ID® tubes for high efficiency & compact footprint.



SEMINOLE

- + 3-Pass wetback design.
- + Pressures from 15-300 psi steam & 30-160 psi hot water.
- + Sizes from 50-2,500 BoHP.
- + Capable of burning non-standard fuels such as syngas, digester gas, hydrogen, bio-diesel, & heavy-oil.
- + Higher efficiency design.



SUPER SEMINOLE

- + 3-Pass wetback design.
- + Pressures from 15-300 psi steam & 30-160 psi hot water.
- + Sizes from 50-2,400 BoHP.
- + Generous furnace volume for low heat releases & simple ultra low NOx compliance.
- + Highest efficiency model with X-ID® tubes.



MOHICAN

- + 4-Pass wetback design.
- + Pressures from 15-300 psi steam & 30-160 psi hot water.
- + Sizes from 50-1,500 BoHP.
- + Generous furnace volume for low heat releases & simple ultra low NOx compliance.
- + Capable of burning non-standard fuels such as syngas, digester gas, hydrogen, bio-diesel, & heavy-oil.
- + Highest efficiency model with all smooth tubes.

SCOTCH MARINE FIRETUBE BOILERS

MULTI-PASS DRYBACK DESIGN



DAKOTA

- + 2-pass dryback design.
- + Pressures from 15-350 psi steam & 30-160 psi hot water.
- + Sizes from 100-2,500 BoHP.
- + Generous furnace volume for low heat releases & simple ultra low NOx compliance.
- + Compact footprint with X-ID® tubes.



APACHE

- + 2-pass dryback design.
- + Pressures from 15-350 psi steam & 30-160 psi hot water.
- + Sizes from 10-2,200 BoHP.
- + Rugged, simple design.



AZTEC

- + 2-pass dryback design.
- + Pressures from 15-350 psi steam & 30-160 psi hot water.
- + Sizes from 30-1,000 BoHP.
- + Generous furnace volume for low heat releases & simple ultra low NOx compliance.



SENECA

- + 3-pass dryback design.
- + 30-160 psi hot water.
- + Sizes from 30-300 BoHP.
- + Compact design.



MOHAWK

- + 3-pass dryback design.
- + Pressures from 15-350 psi steam & 30-160 psi hot water.
- + Sizes from 30-1,000 BoHP.
- + Generous furnace volume for low heat releases & simple ultra low NOx compliance.
- + Higher efficiency model.



FIREBOX & CONDENSING BOILERS

HIGH EFFICIENCY SOLUTIONS



ARROWHEAD

- + 3-Pass firebox design with wetback construction.
- + Low pressure boiler available for 15 psi steam & 30 psi hot water.
- + Burner efficiencies to 84%.
- + Sizes from 10-100 BoHP.
- + High efficiency design includes X-ID® tubes.
- + Packaged with gas, oil, or combination gas & oil burner.



OSAGE

- + 3-Pass firebox with wetback construction.
- + Low pressure steam & hot water 10-450 BoHP.
- + Gas, oil, combination gas & oil, alternative fuels.
- + Ultra low NOx & low excess air capable.



CREEK ST

- + Sizes range from 300,000-2,000,000 btu/hr.
- + High water volume w/ low waterside pressure drop reducing system pump HP.
- + Twin water return for maximum efficiency.
- + Available w/ #2 fuel oil.
- + Available w/ low emissions <9ppm technology.



CREEK XL

- + Sizes range from 3,000,000-6,000,000 btu/hr.
- + High water volume w/ low waterside pressure drop reducing system pump HP.
- + Twin water return for maximum efficiency.
- + Available w/ #2 fuel oil.
- + Available w/ low emissions <9ppm technology.

VERTICAL BOILERS

STEAM & HOT WATER SOLUTIONS



HOT WATER

210,000-1,700,000 BTU



SPACE HEATING

210,000-2,000,000 BTU



COMBINATION HW/SH

210,000-2,100,000 BTU



STEAM

300,000-2,100,000 BTU



UTE

- + Down-fired vertical firetube boiler.
- + Low pressure steam & hot water 60-150 HP.
- + Industry-leading furnace volume.
- + Dual fuel & non-standard fuel capable.
- + Available w/ low emissions <9ppm technology.



PONCA

- + Side-fired vertical firetube boiler.
- + Low pressure steam & hot water 60-100 HP.
- + Industry-leading furnace volume.
- + Dual fuel & non-standard fuel capable.
- + Available w/ low emissions <9ppm technology.



BOILER SKID PACKAGES

- + Pressures up to 150 psi.
- + Sizes from 7-600 BHP.
- + Very small footprint for tight applications.
- + Rugged firetube design that heats very quickly.
- + Waterback combustion chamber for very quick heat transfer.
- + Available w/ low emissions <9ppm technology.



BOILER ROOM EQUIPMENT

BOILER ADD-ONS & SYSTEM ENHANCEMENTS



CONDENSATE RETURN & FEEDWATER TANKS

- + System recovers condensate and/or feeds boilers.
- + For boilers 10-1000 BoHP.
- + Simplex, duplex, triplex, & more available in 8 standard sizes.
- + Horizontal steel receiver constructed of heavy gauge steel mounted on steel channel legs. Receiver has opening for condensate return, atmospheric vent drain, overflow, thermometer, gauge glass, & fresh water make-up.
- + Suction piping between pump & receiver complete with gate valve, strainer & flex coupling to relieve strain & vibration.
- + Heavy duty pump with motor mounted, piped, & wired on base of receiver. Pump supplied with mechanical seal.
- + Automatic internal fresh water make up valve bronze heavy duty type with brass rod & copper float.
- + Available with dual furnaces.
- + Co-firing available on most designs.



DEAERATOR SYSTEMS

- + Spray scrubber, tray type, & dual tank spray designs.
- + From 3,500-1,000,000 PPH.
- + Minimum 10 minute storage capacity on standard models.
- + Designed, built & stamped in accordance with ASME Section VIII code in Hutchinson, KS USA.
- + Fully assembled & tested at the factory.
- + Available w/ separate carbon steel or stainless steel surge tanks from 100-20,000 gallons.



BLOWDOWN SEPARATORS

- + Stock models available in 4 sizes.
- + Durable industrial design.
- + Flanged vent & drain connections.
- + ASME U stamp manufactured in Hutchinson, KS USA of domestic materials.
- + Can be custom designed for any specific job.

WASTE HEAT RECOVERY BOILERS

STEAM & HOT WATER SOLUTIONS



WASTE HEAT RECOVERY BOILERS

- + Customized for maximum return on investment.
- + Three basic designs: Single pass, 2-pass, & 3-pass.
- + Models designed to accept fuels w/ low, moderate or high particulate levels.
- + Units built to tolerate high inlet temps up to 2400°F.
- + Low airside pressure drop design.

HORIZONTAL RETURN BOILERS

- + Horizontal return tubular boiler.
- + Pressures up to 400 PSIG.
- + Heating surfaces from 200-7000 FT².
- + Ideally suited for solid fuel firing due to its inherently low heat release, high retention time, high radiant heat flux, & good ash disengagement.

PARTS & SERVICE DEPARTMENT

Boiler Safety Equipment • Burners
Combustion Safeguard Controls • Electrical: Relays, Starters, Switches, Motors, Etc. • Gauges • Heat Exchangers • Tube Bundles • Preheaters
Pumps: Water, Fuel Oil • Boiler Valves • Gasket, Insulation, Rope-Material
• Economizers • Boiler Vessel Replacement Equipment



SUPERIOR BOILER

Superior Boiler leads the way in the design and manufacture of industrial and commercial boilers for all market segments. With over 100 years' experience in the industry, our customers don't just trust what we build, they trust the people who build them. Complete boiler systems built to exacting standards, made in the USA, and installed throughout the world.