

WITH BOLDNESS AND CARE

PROCESS HEATING



AB&Co

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Individual Thermal Solutions
- with Boldness and Care

AB&CO · TT BOILERS, AB&CO · TEKNIK and AB&CO · CONSULT is a Danish company group, that delivers equipment for process heating and heat recovery within industry, and marine & offshore.

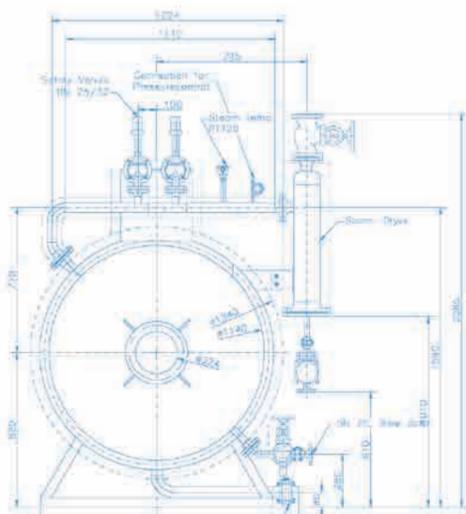
AB&CO is the engineering division of the group, in charge of designing and projecting total heating systems, specialized thermal plants and heat exchangers in a broad variety of configurations. The engineering division performs customer-related tasks and current R&D projects. The sales and projects department is located together with the engineering division.

TT BOILERS / TEKNIK is the boiler factory, in which a large range of standard boilers and heaters including accessories is produced. The factory also produces special boilers, skid-mounted units and container solutions. The service department is located at the factory and comprises a number of experienced service engineers and a large spare-part stock for all standard units.

AB&CO is your qualified partner with a unique company group structure that can participate through the whole project - from selection and fabrication of the products to the installation and start-up of the complete heating system.

In other words, AB&CO will wind-up the tube coils for the thermal fluid heater; calculate the heat surface in the process air heater and later build and start-up the complete high temperature heating system. But it is also AB&CO · TT BOILERS, who can deliver one specific item only, whether it be a boiler, heat exchanger or miscellaneous accessories.

The option of having general project management and involvement from start to finish, supported by supreme knowledge about all the technical details, gives the best assurance of obtaining the optimum solution.



Why concern yourself with the details when what you really need is a complete system solution ?

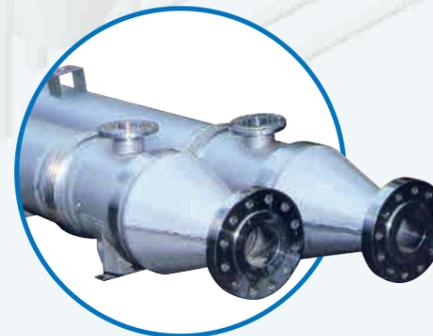
A product is nothing in itself. But the overall quality of the function it covers - together with the other components and their interaction within the system - is essential to the customer. The supplier of a system solution becomes a technical coordinator, and must possess the capability of finding the best compromise between need and possibilities, function and economy.

AB&CO offers these complete individual solutions:

- Heating systems with installation and start-up (all-inclusive contract)
- Heating systems, with the products and accessories assembled on site
- Integrated complete heating units with accessories skidmounted on base frame
- Container solutions with smaller heating systems
- Marine & offshore boilers and heat exchanger systems
- Engineering projects with design and specification of thermal systems

AB&CO has considerable specific knowledge and expertise of systems including the following:

- Saturated Steam
- Pure Steam & Clean Steam
- Thermal fluid (hot oil)
- Electric Heating
- Process Air
- Exhaust Air
- Flue Gas
- Heat Transmission
- Heat Recovery
- Pressure Vessel Calculations



Why settle for a reasonable product, when the best cost you less ?

High quality costs less than low quality, because it is significantly more economical after the purchase. Time directly or indirectly spent on a product, and the effect on the customer's plant, represent costs that also should be considered. Satisfaction versus frustration is however more complicated to measure - yet no less tangible an argument.

AB&CO has its own production of the largest and most essential products used in process heating and heat recovery systems. The production range covers many different types and sizes of boilers, preheaters and heat exchangers - specifically developed for the process and marine industries. The standard for all products is quality without compromise, offering real economical features. They are developed with high efficiencies, in rigid and reliable designs, ensuring low operation and maintenance cost.

Skilled engineers provide technical support, already from the first contact within the sales department, ensuring the best individual guidance in choosing the correct product for the actual application.

- **Steam Plants** - Saturated Steam for Heating

- Steam generators with oil /gas burner
- 3-pass fire tube boilers with oil /gas burner
- Electrically heated steam boilers
- Recuperative exhaust gas boilers - economisers



- **Thermal Fluid Heaters** - Hot Circulating Thermal Oil

- Heaters with oil /gas burner
- Electric heaters
- Recuperative exhaust gas heaters - economisers

- **Preheaters & Coolers** - Heat Exchanging and Heat Transfer

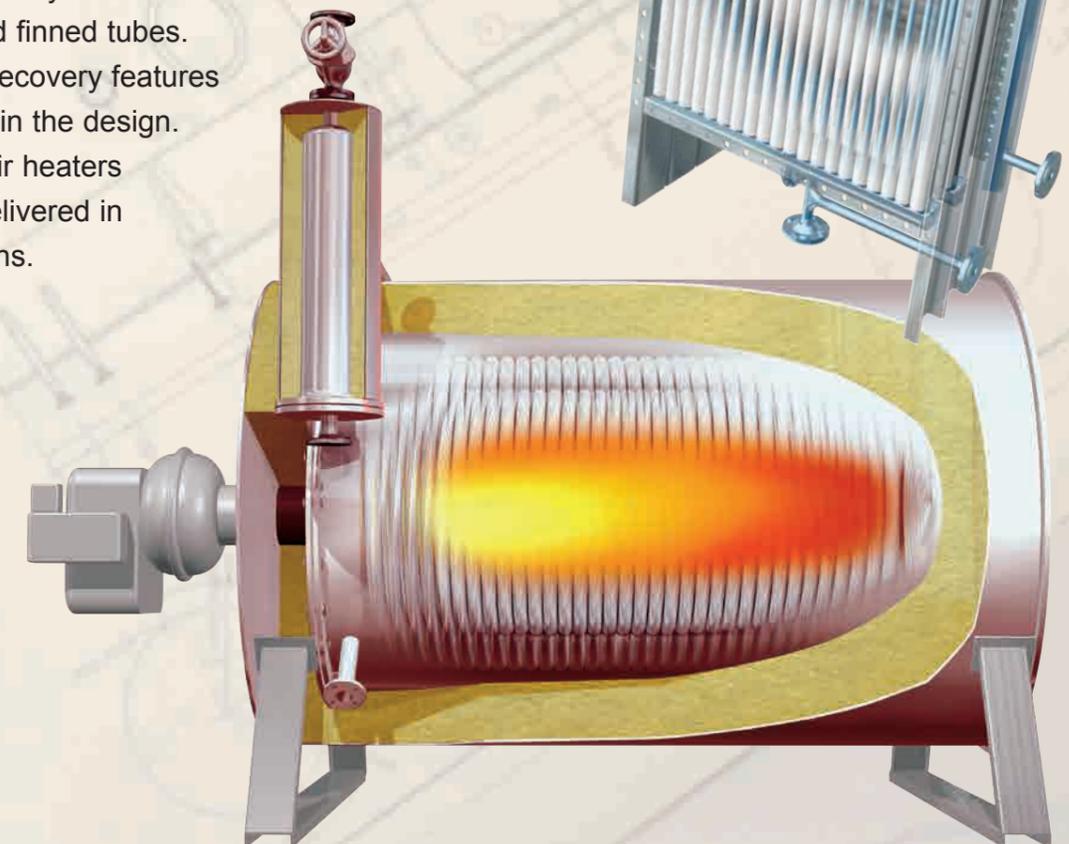
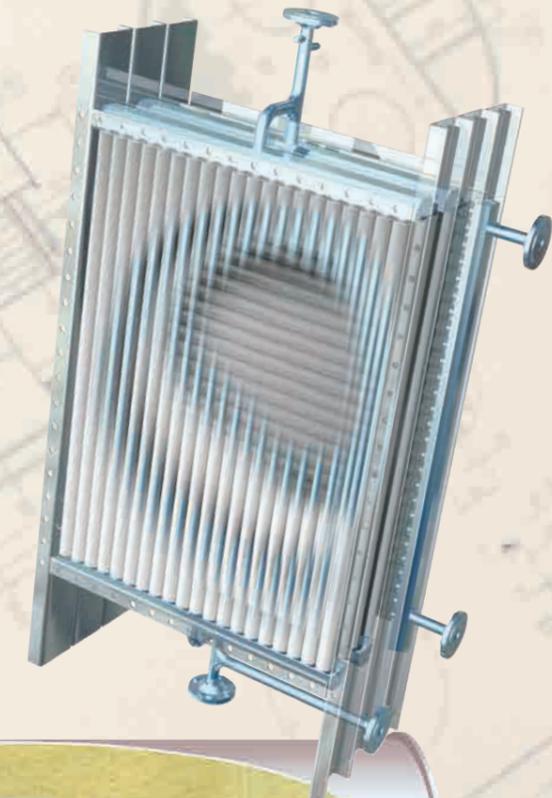
- Process air heaters - for steam / thermal fluid / hot water / electrical
- Thermal dehumidifiers for process air
- Gas-to-Gas and Air-to-Air heat exchangers
- Electrical preheaters
- Special heat exchangers
- High pressure and temperature heat exchangers



The function of boilers and heat exchangers is to produce heat and to transfer heat respectively. These two product categories cover the most vital parts of process heating systems and are therefore the primary focus of the manufacturing group.

The boiler line also includes the so-called steam generators; compact and rapid starting units designed with tube coils. Steam generators can be delivered for very high pressures and temperatures.

The steam can be used to heat up process air for drying applications. This can be done in special high duty heaters with compound finned tubes. Efficient heat recovery features are integrated in the design. The process air heaters can also be delivered in other executions.





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AB&CO is a Danish company group,
that delivers equipment for process heating and heat
recovery within industry, and marine & offshore.

References since 1988

- Food Industry
- Pharmaceutical Industry
- Chemical / Petrochemical Industry
- Plastic Industry
- Pulpwood / Cellulose Industry
- Other Process Industries
- Drying Plants / Spray Drying Plants
- Waste Incineration Plants
- Environmental Plants
- Industrial-Washing Process Plants
- Power and Heating Plants
- Large Laundries / Dry Cleaning Plants
- Marine & Offshore Industry

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