

ENERGY SOLUTIONS



VAPOR BOILERS AND BOILER PLANTS



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BOILERS SINCE 1959

VAPOR WATER AND STEAM BOILERS

VAPOR TTKV HOT WATER BOILERS



The TTKV hot water boilers are excellent for district heating plant applications, and their dimensioning enables use of a vast range of fuels: light and heavy fuel oil, natural gas, LPGs, and biogases, as well as various industrial process gases. Thanks to their high water capacity, the TTKV boilers are flexible under variable load conditions. Since the construction of the boilers is user-friendly, they are easy to maintain and provide a high utilisation rate.

- three-pass fire-tube boiler
- high efficiency
- long service life
- efficient thermal insulation
- thermal output range of 1–33 MW, with single- or dual-tube application, depending on the power
- normal construction values: 10 bar / 110 °C or 184 °C and 16 bar / 204 °C

VAPOR AKU WATER BOILERS



Given its efficiency, an AKU water boiler is a compact and sensible solution for both new and renovated buildings. Cleaning is easy, thanks to the single cleaning door. The AKU water boilers are ideal for heating of industrial facilities, small-scale district heating plants, greenhouse applications, etc. Suitable fuels are light fuel oils, natural gas, LPGs, and biogases.

- three-pass fire-tube boiler
- long service life
- efficient thermal insulation
- thermal output range of 0.4–1.6 MW
- construction values: 10 bar / 110 °C

VAPOR TTK STEAM BOILERS



The TTK steam boilers are excellent for generating process steam, and they can also be utilised in generation of steam and heat in power plants. The dimensioning enables use of a vast range of fuels: light and heavy fuel oil, natural gas, LPGs, and biogases, as well as various industrial process gases. Thanks to their high steam capacity, the TTK boilers are flexible under variable load conditions. Since the construction of the boilers is user-friendly, they are easy to maintain and provide a high utilisation rate.

- three-pass fire-tube boiler
- high efficiency
- long service life
- efficient thermal insulation
- thermal output range of 1–33 MW, with either single- or dual-tube application, depending on the thermal output
- normal construction values: 10 bar / 184 °C, 13 bar / 195 °C, 16 bar / 204 °C, and 20 bar / 215 °C

VAPOR HA STEAM BOILERS



A compact VAPOR HA steam boiler is easily installed in both new and renovated buildings, as in transportable steam plants. The HA steam boiler generates dry steam, making it an excellent choice for use in hospitals, small-scale industrial applications, the food industry, bakeries, laundry, and concrete mixing stations.

- three-pass fire-tube boiler
- high efficiency
- long service life
- efficient thermal insulation
- thermal output range of 0.14–3 MW
- normal construction values: 10 bar / 184 °C, 13 bar / 195 °C, and 16 bar / 204 °C

VAPOR BOILER PLANTS

VAPOR offers boiler plants as turnkey deliveries, standardised up to the 100 MW thermal output range. Products for higher power ranges are tailored according to the customer's needs. VAPOR offers its customers high-quality solutions for generation of heat and steam, heat recovery, and CHP applications. Each VAPOR boiler plant can be individually tailored to serve the needs of the specific customer involved.

KEY PRIORITIES IN BOILER PLANT DESIGN:

- high efficiency and usability
 - ease of maintenance
- suitability for the installation environment
 - as low emission rates as possible
 - economical solutions



FACTORY-MADE BOILER PLANTS

VAPOR boiler plants can also be manufactured in our factory as fully operational heating or steam plants. The boiler plant is constructed inside a steel-frame container, facilitating transport. Normally, the maximum thermal output per container is 10 MW. The size of a transportable plant is restricted only by logistical issues.

All factory-made boiler plants are tested in our factory before delivery to the installation site. This way, the customer can start generation of steam and/or heat rapidly.

Benefits of a factory-made boiler plant:

- low investment costs
- quick delivery and installation
- the possibility of relocating the plant should needs change.

VAPOR STEAM BOILER MODULES



The VAPOR steam boiler module is a steam generation unit that is fully equipped at the factory. In a steam boiler module, all the equipment needed is fitted around the boiler and the module is ready to produce steam as soon as the necessary steam, water, fuel, and electricity lines are connected on the installation site.

Usually a module includes burning, control, and alarm equipment, and the boiler fixtures. We also supply feed water and water treatment modules.

If necessary, the delivery content for the standard steam boiler modules can be tailored. Our aim is to find the perfect solution for the customer's needs.



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VAPOR BOILER PLANTS



BOILER PLANTS BUILT ON-SITE

If especially high output is required of a boiler plant, or if other special requirements have been set for the plant building, a boiler plant built on-site enables taking the customer's special requirements and the environment into consideration in the design and implementation of the boiler plant project.

The quality of our operations is ensured by our products being designed and manufactured in compliance with the Pressure Equipment Directive (97/23/EC) and a certified welding quality management system complying with the SFS EN ISO 3843-2 standard.



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