

The choice of Different types

Pulverised coal (PC) boilers

Pulverised coal-fired boilers are available in two alternative configurations. In a **tower boiler**, the heating surfaces are arranged directly above the furnace, resulting in a taller structure with a small footprint. In a **two pass boiler**, the heating surfaces are located both above and adjacent to the furnace which means the structure is shorter but has a larger footprint.

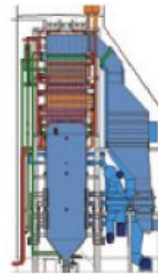
Project requirements and customer preferences will determine which is selected with consideration being given to the fuel moisture content and ash characteristics as well as site restrictions.

Oil and gas-fired boilers

We manufacture advanced oil and natural gas-fired boilers, that are highly reliable and efficient in operation and which deliver outstanding environmental performance. To date, we have supplied 228 GW of subcritical and supercritical oil and gas-fired boilers, either directly or through global licenses.

Circulating fluidised bed (CFB) boilers

As one of the industry leaders in utility-class CFB boilers, we are scaling up our CFB boilers to 660+ MW ultra-supercritical steam cycles. These boilers are able to burn a wide range of fuels, including a variety of low-grade opportunity fuels in an efficient way and, consequently, produce low emissions which conform to the strictest environmental standards.



Tower boiler

Up to 1,200 MW
Up to 605°C / 621°C / 300 bar



Two pass boiler

Up to 1,200 MW
Up to 605°C / 621°C / 300 bar



Oil and gas-fired two pass boiler

Up to 1,000 MW
Up to 565°C / 565°C / 250 bar



Circulating fluidised bed boiler

Up to 660 MW for lignite, higher for hard coal
Up to 600°C / 620°C / 300 bar

Ultra-supercritical technology

Our fifty years of expertise in advanced steam parameters and material testing, means we can provide state-of-the-art boilers that deliver impressive performance to maximum efficiency and flexibility and with the lowest possible emissions.

Alstom boilers

adaptable to your needs



Belchatow, Poland (858 MW)

This unit, the country's largest and most efficient lignite-fired plant, benefits from Alstom supercritical once-through PC tower boiler technology

