

Solid Fuel Boilers

Hot Water (low & high temperature) and Steam Boilers for Bio and Solid Fuels

Shell & Tube, Panel-wall and Water Tube Boilers up to 50 MW, 68 ton/h and 43 bar-g



Danstoker maintains a special focus on the environment and the shortage of resources.

On basis of 80 years' experience, Danstoker holds a leading international market position on horizontal and vertical bio-fuel boilers for:

- Low Temperature Hot Water, LTHW
- High Temperature Hot Water, HTHW
- Steam

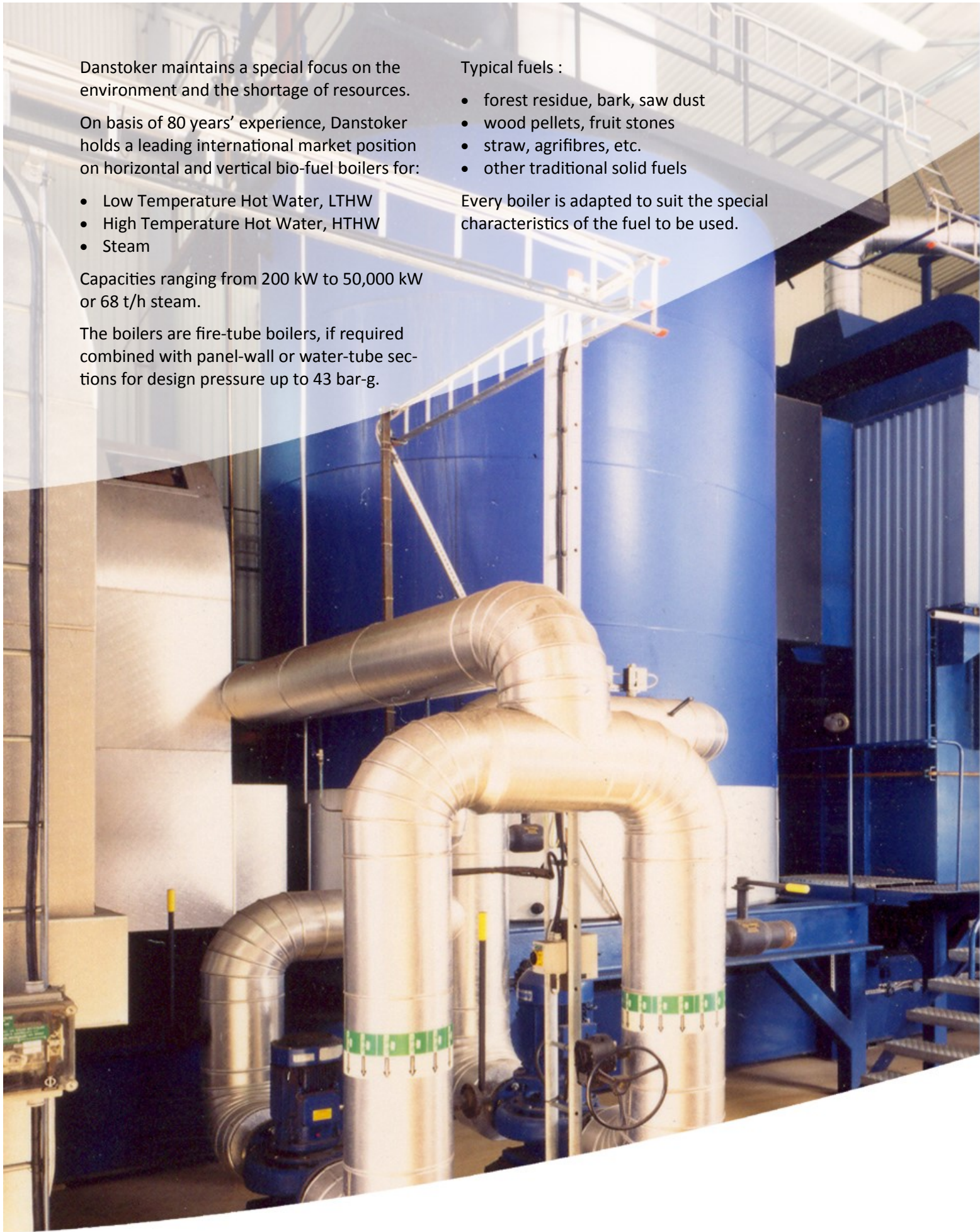
Capacities ranging from 200 kW to 50,000 kW or 68 t/h steam.

The boilers are fire-tube boilers, if required combined with panel-wall or water-tube sections for design pressure up to 43 bar-g.

Typical fuels :

- forest residue, bark, saw dust
- wood pellets, fruit stones
- straw, agrifibres, etc.
- other traditional solid fuels

Every boiler is adapted to suit the special characteristics of the fuel to be used.





The very best result is achieved in a close cooperation between Danstoker and the world's leading suppliers of combustion and fuel-handling equipment.

The boilers are designed acc. to the customer's needs for heat or process heat, in order to optimize the utilization of the resources available.

The boiler types would be:

- Directly fired 3-pass furnace and fire-tube boiler with closed combustion chamber, if required combined with panel-wall or water-tube sections.
- Directly fired "open bottom boilers", with a panel wall radiation section and fire-tube convection section. The boilers are placed on top of a combustion grate, possibly with a water-cooled bottom part.
- The boilers could be combined with a vertical convection section. A by-pass may be integrated to secure a constant exhaust gas temperature.
- Indirectly fired boilers for utilization of the energy from furnaces, kilns, incineration or gasification.
- 3-pass or multi-pass horizontal or vertical convection boilers intended for heat recovery after kilns/ incineration ovens.

The boilers would typically be equipped with Danstoker's automatic chock blast cleaning: type Danblast.



Danstoker focuses on environmental awareness and the shortage of resources



The development and manufacture of high-performance oil and gas boilers for the energy sector has made Danstoker known as one of Europe's leading boilermakers, featuring a wide range of shell and tube boilers with capacities ranging from 800 to 50,000 kW or 0,2 to 68 ton/h steam up to 43 bar-g and superheated unto 450°C.

Special boilers may, if required, be combined with watertube-radiation sections.



During the last decades Danstoker has delivered more than 2500 exhaust gas boiler on a world-wide scale. The boilers are mounted after gas or diesel engines.

Design and development of special boilers and economisers for heat recovery of hot flue gases originating from chemical and industrial processes. The waste heat is recovered in single, double or triple pass boilers, provided with low-temperature economisers or with integrated superheaters in the steam boilers.

Capacities until 35 MW, 55 ton/h Steam. Design pressure up to 28 bar-g.



The design of Danstoker's absorption heat pumps / chillers are based on the need for energy optimization. An extra chilling of the exhaust gases makes it possible to transfer the condensing heat in the vapour steam to further improve the system efficiency.

Unlike a compressor heat pump, the absorption heat pump is driven by a high-temperature energy source instead of electric power.

The absorption heat pumps have evaporator chilling capacities from 150 kW to 5,000 kW.



The service staff in the Danstoker after-sales division has many years of experience within a broad variety of jobs regarding energy-technical plants, thereby enabling them to provide quick and efficient service on Danstoker boilers as well as on boilers of other makes.

As we are often already acquainted with the plants, we are able to quickly conduct the necessary adjustments and/or repairs.

Contact: service@danstoker.com