Benefits of a Zantingh flue gas condenser

- Made of stainless steel for a longer life cycle.
- Large heated surface and aluminum fins for maximum efficiency.
- Can be adapted to a maximum working pressure of 6 bar on the water side.
- Can be modified to a minimal water flow.
- Self-cleaning and maintenance-free because of the vertical position of the heat exchanger.
- Very compact and, therefore, easy to install anywhere.
- Supplied with all accessories and temperature and pressure safeties.
- Easy installation using the supplied adjustable legs.
Compact model
The Zantingh flue gas condenser has an integrated and manually operated flue gas valve and bypass channel as standard, which means that the heat exchanger can be closed during emergencies. You can then, for example, burn oil temporarily and the boiler can continue being operational when the water flow over the exchange block is too low. We can provide optional motor operation for the valve section if required.

The heat exchanger has been fitted vertically in the flue gas flow and is, therefore, flushed continuously by condensation. This means that a Zantingh flue gas condenser is self-cleaning and its efficiency is optimal during the complete life cycle. Installation behind the boiler is easy using the supporting legs that are also supplied as standard and, because of the compact structure, the condenser does not take up too much space.

High-quality materials
Zantingh only uses high-quality materials. The heat exchanger is fitted in an enclosure made of stainless steel. The exchanger itself has been constructed from stainless steel tubes, which have been welded to a tube plate. The tube plate is also made of stainless steel and is fitted with a stainless steel cover with baffles and water connections. The tubes are equipped with aluminium fins. The structure allows the heat of the flue gas to be optimally exchanged with the counterflowing water. The entire system has the best possible resistance to aggressive condensation thereby ensuring a long life cycle.

Large heated surface:
The use of a relatively large number of fin tubes ensures that a Zantingh flue gas condenser has a large heated surface which guarantees high efficiency, which is the essence of a heat exchanger. Zantingh has been able to find an optimum configuration where the large in and the required investment are perfectly balanced. In other words: purchasing a Zantingh condenser literally means “more value for money”.

Complete delivery
A Zantingh flue gas condenser is, of course, equipped with all required accessories as standard:
• Inlet and outlet thermometers for both the flue gas side and the water side.
• Maximum temperature safety thermostat.
• Overflow valve for overpressure protection on the water side.
• Limit switch on the flue gas valve for signalling the valve position.
• All required de-aerators and drains.