

OekoAWT – Heat exchange recovery for your heating system.

Fitting a fuel gas heat exchanger into your heating systems increases the efficiency of your heating system. The OekoAWT covers all boiler heat capacity in a range from 15 kW to 1000 kW. Almost all fuel sources are tolerated.

The fuel exchange heater can be fitted in heating systems fueled by oil, gas, wooden logs, shavings or wood chips. Waste heat can be re-utilized and therefore part of the heat energy can be regained, making this an attractive option for the manufacturing sector, such as bakeries and laundries.

Basically, the OekoAWT can be fitted in new and existing heating systems which have very high waste gas temperatures.

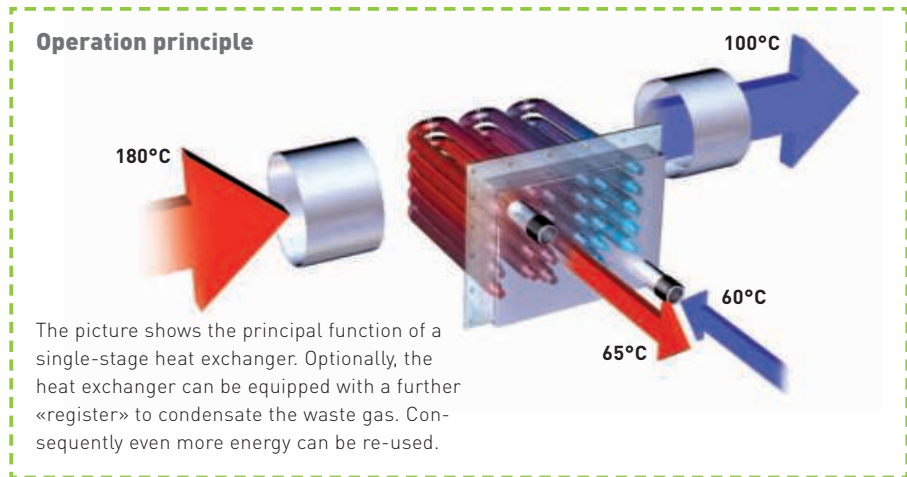
OekoAWT facts

- Heat exchange recovery from hot waste air
- Can be retro-fitted
- Increased energy efficiency, up to 20 %
- Safe and long lasting
- Custom made to your heating system
- Integrated cleaning jets for your biomass heating system

Function. The OekoAWT is reducing both the waste and exhaust air temperatures respectively. The recovered energy can be used for various purposes, such as room heating or water heating.

Installation. Ideally, the OekoAWT will be fitted directly after the burning chamber and after any fire security device. There are also options available which can be fitted further down the waste gas pipeline. The efficiency of the water filled heat exchanger is based on laser welded rippled pipes. Trouble-free functioning can be guaranteed by mechanically driven bypass valves which are not only continuously steady but also can carry maximum loads. The OekoAWT is characterized by its little waste gas resistance achieved by the optimized flue gas guidance. Even if the OekoAWT is refitted into existing systems your invested money is re-couped in a short to medium period.

Maintenance friendly. The OekoAWT can also be cleaned when it is in operation, through openings for revision and cleaning. If cleaning is required the water filled heat exchanger can simply



be removed sideways out of the box and cleaned. Additionally the OekoAWT can be fitted with an automatic cleaning device.

Models. Each installation situation is different. Therefore we do not offer one standardized heat exchanger, however every single unit will be individually designed and manufactured for its situation and the requirements of each particular project. This will guarantee you the highest efficiency and optimized adjustments for your individual location. The hotel industry, medium size manufacturing plants and larger industry is

mainly focused on the specific bypass of the surplus heat in their production chain (steam outlets, bakery stove etc.). If no additional heat is required the bypass engine switches over to the bypass mode. Therefore offices, storage rooms or any other used production rooms can be heated. Even your warm water requirement can be covered with the OekoAWT.

