



Diesel Engine
Exhaust Gas Boiler

AV-6N

High and consistent performance

Comprehensive design and engineering know-how – reinforced by advanced production technology and ISO 9001 quality assurance systems – guarantee the high quality of our products and reliable, short delivery times.



More than 75 years of know-how in development, production and world-wide marketing and support of advanced steam systems make Aalborg Industries one of the leading suppliers of waste heat recovery systems in the world.

For further information please contact any local Aalborg Industries subsidiary.

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AV-6N is a robust, highly efficient water tube boiler, designed to improve your plant's total efficiency by recovering the heat from the exhaust gas of diesel engines. The AV-6N boiler is flexible and easy to install - even in existing facilities.

In addition to traditional forced circulation AV-6N exhaust gas boiler is available also as a natural circulation model.

AV-6N

Reliable and cost-effective operation



Years of experience
Aalborg Industries has a long experience with waste heat recovery, and devotes constant attention to development and innovation within this area.
We have installed a large number of boilers and heat exchangers, and we have a large team of experienced service experts who will provide quick response on any request.



Waste heat recovery

AV-6N is the optimum solution for high-performance heat recovery systems.

Designed with extended heating surface, the AV-6N is compact and cost-effective. The possibility of cleaning during operation minimises the need for engine shutdowns and increases overall plant availability.

Unique boiler construction by Aalborg Industries

A unique supporting arrangement without end plates - enhanced by computerised analyses - ensures a vibration- and thermal stress-free boiler construction.

Natural circulation

In addition to traditional forced circulation boilers, Aalborg Industries offers a reliable natural circulation solution.

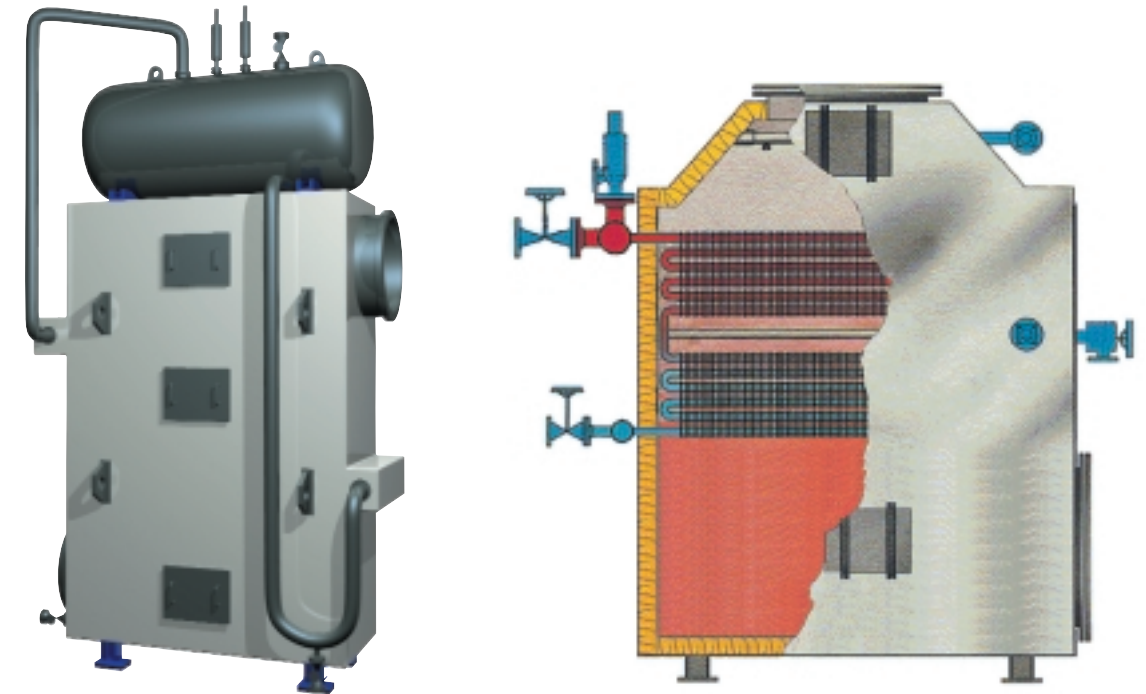
Natural circulation without circulation water pumps gives the following advantages:

- Reliability
- Less power consumption
- Cost effectiveness
- Fast site installation
- Reduced foundation work and minimised piping and cabling
- Minimal foot print

Easy to clean

The tube arrangement of the AV-6N boiler's heating surface ensures easy maintenance and service. AV-6N boilers can be cleaned during operation, reducing the need for engine shutdown. In addition to standard steam soot blowers, water and air can also be applied.

Suitable for all applications



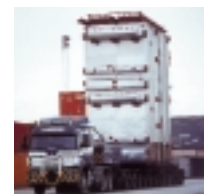
Typical examples of AV-6N boilers for Natural circulation and Forced circulation

Customer benefits with AV-6N:

- Compact heating surface, specially designed for diesel applications
- Vibration resistant
- Shop assembled
- Easy to clean on flue gas side due to in-line configuration and parallel fins
- Short delivery time
- High efficiency
- Natural or forced circulation
- Proven design
- Many references
- Tailor-made for specific requirements
- Small foot print
- Low weight

Technical data for AV-6N

Gas amount:	No limits
Gas temperature:	Norm. < 400°C. Up to 530°C in standard execution
Pinch point:	Norm. 15-20°C. Min. 5°C, limited by feasibility only
Design pressure:	Norm. < 25 barg. Max. 80 barg in standard execution
Steam temperature:	Up to 400°C in standard execution
Circulation:	Forced or natural
Tubes:	Double gilled fin tubes



Suitable for all applications
There are no restrictions neither on pressure nor on capacity in practical diesel power plant applications. Small water volume inside the boiler allows it to respond quickly to load changes.
AV-6N can handle large capacities and is applicable in all types of plant.