

GETABECKESSEL

THREE-PASS BOILER



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Three-Pass Boiler



- GETABECKESSEL manufactures under license of SCHNEIDER-KESSEL BERLIN high efficiency steam and hot water boilers for every application which is designed and produced according to the German Technical Rules for Steam Boilers (TRD).
- GETABECKESSEL boilers are manufactured in various designs with energy saving systems and fully automatic operation and if required for unattended boiler operation.
- Boilers are manufactured by GETABECKESSEL can be delivered to all European countries because GETABECKESSEL boilers are certified according to the Pressure Equipment Directive (PED) under CE marking.
- GETABECKESSEL is certified according to the German regulation AD-Merkblatt HP 0-TRD 201 and ISO 9001:2008.

Three-Pass Boiler



- **GETABECKESSEL** produces the three pass principle in 100% wet back design flame tube with internal, 100% rear wet-back reversing chamber and 2nd and 3rd passes as smoke tubes passes
- Due to the high sophisticated burner management system, the water content of the boiler can be quickly transformed into steam so that there is always a sufficient steam reserve even during sudden peak demand periods.
- The dimensions of the flame tubes in diameter and length are designed to match the characteristics of the flame formation of the different kind of fuels and the different oil and gas burners used for our boilers. The main condition to achieve a low NOx combustion is the low furnace volume load of our boilers and high quality of fuel.
- **GETABECKESSEL** boilers can easily manage the peak and low demand periods for steam or hot water.

**Output per boiler up to 30 ton/hr.
Operating pressure up to 30 barg.**

- Our boilers are made for low and high pressure steam and superheated steam generation as well as for low and high pressure hot water generation for process heat and heating systems.
- **GETABECKESSEL** supplies individual boilers as well as complete boiler plants with feed water treatment, feed water storage and deaeration; with heat recovery systems and all additional requested equipment for a state-of-the-art boiler plant.

Please contact us to see a reference installation.



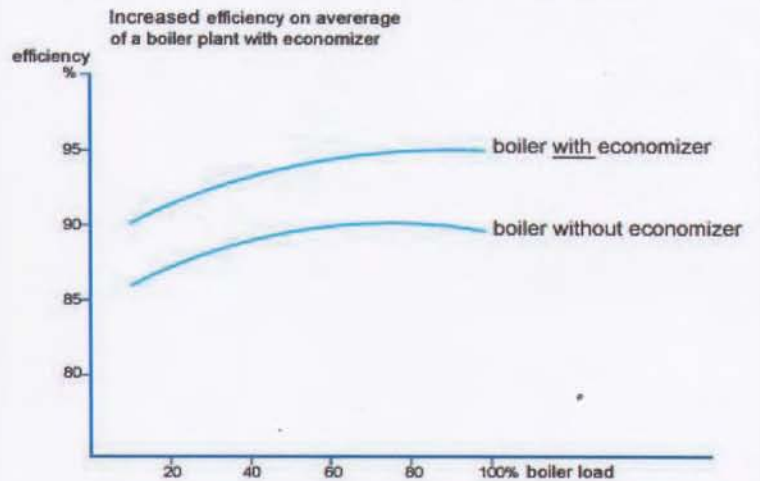
Three-Pass Boiler



ENERGY SAVING

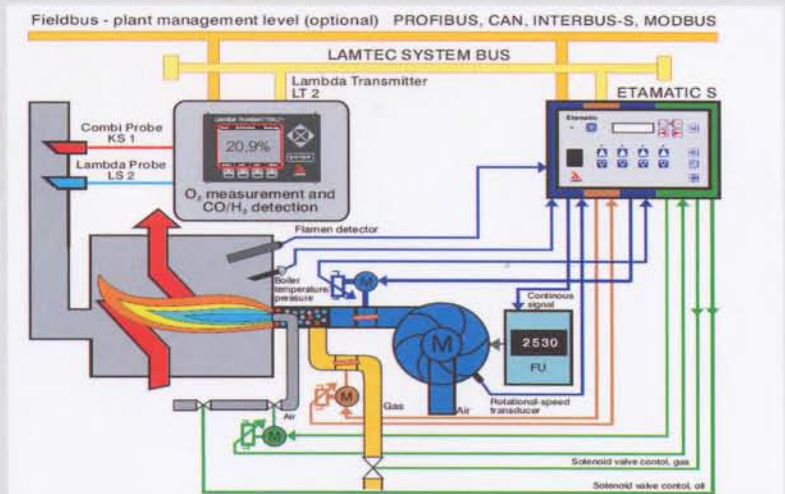
ECONOMIZER

- Boiler Efficiency Increase 5-7%
- Higher Heat Recovery with Efficient spiral-finned tube system
- Minimized Flue Gas Loss
- For Retrofitting and New Boiler



O₂ REGULATION

- Increase Combustion Efficiency 1-2%
- Modern Burner Management System
- Reduce O₂ Content and Excess Air
- Speed Regulation
- Environmental Protection



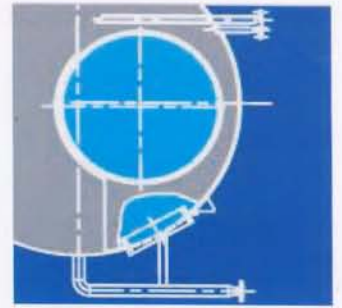
Three-Pass Boiler

Installation at Suvarnabhumi Airport



Project name : Boilers for Suvarnabhumi Airport

- Boiler Specification :**
- Design type : 3 pass fire tube boiler, wet back
 - Steam capacity : 18 tons/hour x 2 units
20 tons/hour x 2 units
 - Steam pressure : 18 barg.
 - Steam temperature : 220 C
 - Burner brand name : SAACKE
 - Year of manufacturing : 2004



GETABECKESSEL under license
SCHNEIDER KESSEL BERLIN

develops, designs, constructs and supplies steam boilers used for the generation of heat for heating plants and for processing steam in the food, beverage, textile, chemical, petrochemical and oleo-chemical industries, to name just a few. The capacity range of the company's boilers, manufactured as flame tube boilers in a three-pass design and water tube boilers, ranges from 1.0 t/h to 100.0 t/h for design pressure of up to 100 bar.

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SCHNEIDER KESSEL BERLIN

is proud to be the only boiler manufacturer in Thailand to be certified by TUV. In accordance with Pressure Vessel Directive 97/23/EC, AD 2000-sheet HP 0. DIN EN 729-2, TRD 201 and ISO 9001:2008, meaning that the company delivers its boilers with the European quality mark CE 0044.

