Large Once-through Boiler

**Features**

- Further evolution of once-through boilers.
- High-performance, functional and long life, even equal to large boilers.
- Combustion and feed water PI controls.
- Equipped with a high-performance economizer.
- Water separator offers extremely high steam dryness.
- Equipped with a color touch panel.
- Equipped with self-diagnosis and safe mode functions.

**Basic Concept or Summary**

Feed water coming into the boiler evaporates by combustion energy and generated steam goes up.
**Effects or Remarks**

- High efficiency: Boiler efficiency of 98%
- Stable steam pressure: ±0.01MPa with static load
- Long life: Designed to last for 15 years

**Three features**

1. **High efficiency**
   - Boiler efficiency of 98%
   - High efficiency at partial loads
   - Forced draft fan / feed water pump
   - Steam dryness of 99.5% or dryer
   - Broad turn down 10:1 (optional)

2. **Stable steam pressure**
   - Steam pressure remains stable even when steam demand changes.
   - Boiler specifications for comparative verification facility of actual units.
   - Steam pressure +0.07 and -0.28MPa, significantly variable when load changes occur.
   - Steam pressure ±0.02MPa range even when load changes occur.

3. **Long life**
   - Designed for 15 years

**Installation in Practice or Schedule**

- **Domestic** Sales launched in 2000.
- **Overseas** Sales launched in 2006.

**Contact:** Kawasaki Thermal Engineering Co., Ltd., Sales and Service Planning Department
Tel: +81-3-3615-5821    Fax: +81-3-3615-5822
http://www.khi.co.jp/corp/kte/