

## Recently Installed 36 t/h Flue and Smoke Tube Boiler Starts Operation

MM21 DHC recently started operation of a new flue and smoke tube boiler that can produce 36 tons of steam per hour. It is the largest capacity flue and smoke tube boiler currently being operated in Japan.

Adding this boiler to the No.2 Plant further strengthens interconnections with the Central Plant, enhancing the safety and reliability of heat supply in the district.

### Specifications of the Flue and Smoke Tube Boiler

	No.2 Plant new equipment	Central Plant existing equipment		
Boiler capacity	36.0 t/h	24.0 t/h	15.0 t/h	9.6 t/h
Number of installed units	1	1	1	1
Boiler efficiency* (Including the amount recovered by the economizer)	93% or more	92% or more		
Year installed	2010	1988	1993	1988

\* Ratio of heat absorption of steam generated in relation to the total calorific value of the fuel supplied to the boiler

$$\text{Boiler efficiency} = \frac{\text{Generating capacity} \times (\text{Heat contained in steam} - \text{Heat present in feed water})}{\text{Fuel consumption} \times \text{Calorific value of fuel}} \times 100$$



The 36 t/h flue and smoke tube boiler newly installed in the No.2 Plant in December 2010