



VOLCANO Co.,Ltd. launched small-size Gas Combustion Unit named “MECS-GCU”.



VOLCANO Co.,Ltd. \*1 developed “Gas Combustion Unit for LNG Fueled vessel” and has launched “MECS-GCU” as new product on 31<sup>st</sup> MAR, 2016.

\*1 ) <http://www.volcano.co.jp/english/>

The name “MECS” means “**M**arine **E**volutional **C**ombustion **S**ystem” . “GCU” means “**G**as **C**ombustion **U**nit” .

VOLCANO Co.,Ltd. provides products for LNG as fuel and solution for LNG utilization, based on our experiences on HFO/Gas combination burner for Marine-use, Gas burner for Industrial-use and Ultra-low NO x burner for Industrial-use.

“MECS-GCU”, Gas Combustion Unit for LNG fueled vessel can process Boil Off Gas/BOG in the range from 250kW to 2400kW for LNG Fueled vessels which are expected to increase.

#### About Gas Combustion Unit for LNG Fueled vessel

This system safely incinerates and processes Boil Off Gas/BOG or Gas vaporized when bunkering on LNG Fueled vessels. On LNG Fueled vessels, redundant BOG should be processed by incineration or reliquefaction.

Gas vaporized when bunkering should be also processed for keeping safe.

When docking a LNG Fueled vessel, combustible gas in the fuel tank should be incinerated and replaced to inert gas.

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Press Information

Product Information

Features :

**"Just the right capacity" for small/middle-size vessel**

Processing 250kW - 2,400kW BOG as calorie

18kg/h - 173kg/h (CH4:100%) as Combustion Rate

**"Processing capability" for various BOG**

Various BOG consisting of CH4 or inert gas can be incinerated.

BOG even in the temperature of less than 0°C can be also incinerated.

**"Easy maintenance" with Metal Combustor**

Metal combustor does NOT fall from the furnace and can lighten the furnace.

Product line-up :

TYPE		MECS-G250	MECS-G350	MECS-G600	MECS-G850	MECS-G1200	MECS-G1600	MECS-G2400
Capacity	kW	250	350	600	850	1,200	1,600	2,400
Combustion Rate ※1	kg/h	18	25	43	61	86	115	173
Gas Pressure ※2	MPa	0.7						
Trip Temp. (High) of Exhaust Gas	°C	500						
Exhaust Gas Temp. (Planned)	°C	450						

※1) Based on 50,030kJ/kg as Low Calorific Value if CH<sub>4</sub>

※2) as Primary Pressure at BOG flow control valve

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