

Gas Combustion Unit for Hydrogen Fueled vessel *Volcano* MECS-H25

The utilization of hydrogen is expected as next generation fuel for climate change mitigation. Gas Combustion Unit for Hydrogen(H₂) Fueled Vessel “MECS – H25” processes hydrogen gas safely and compliantly. VOLCANO will keep providing products which contribute to environmental loading reduction by utilizing next generation fuel.

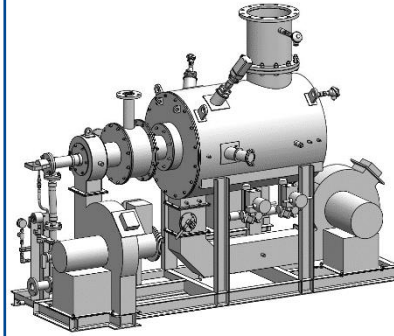
Contribution to environmental loading reduction

MECS-GCU

For LNG fuel | Hydrogen(H₂) gas | Ammonia(NH₃) gas

“MECS-H25” for Hydrogen(H₂) fueled vessel is a variation of the gas combustion unit “MECS-GCU”, which is installed in LNG tag boats, LNG bunkering vessels and the other kind of vessels. The IGF code ※ 1 prohibits releasing combustible gas into the atmosphere.

※1.International Code Of Safety For Ships Using Gases Or Other Low-Flash Point Fuels



TYPE

MECS-H25

※Class NK issued
TYPE APPROVAL
CERTIFICATE

Combustion rate

Hydrogen(H₂)
10kg/h

Please feel free to contact VOLCANO to study any other size up to the combustion rate 200kg/h.

Feature

- ① To combust Hydrogen gas safely.
- ② To combust completely the mixed gas consisting of Hydrogen(H₂) gas and inert gas(N₂) when purging the tank or the pipes.

Supported by



THE NIPPON
FOUNDATION

MECS-N25 was developed with a subsidy from the Nippon Foundation.

燃焼エンジニアリングカンパニー
Combustion Engineering Expert

VOLCANO Co.,Ltd. provides products for LNG as fuel and solution for LNG utilization, based on experiences on Gas/Oil simultaneous mixed combustion DF burners for Marin-use, Gas burner or Ultra-low NOX burner for industrial-use.



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