



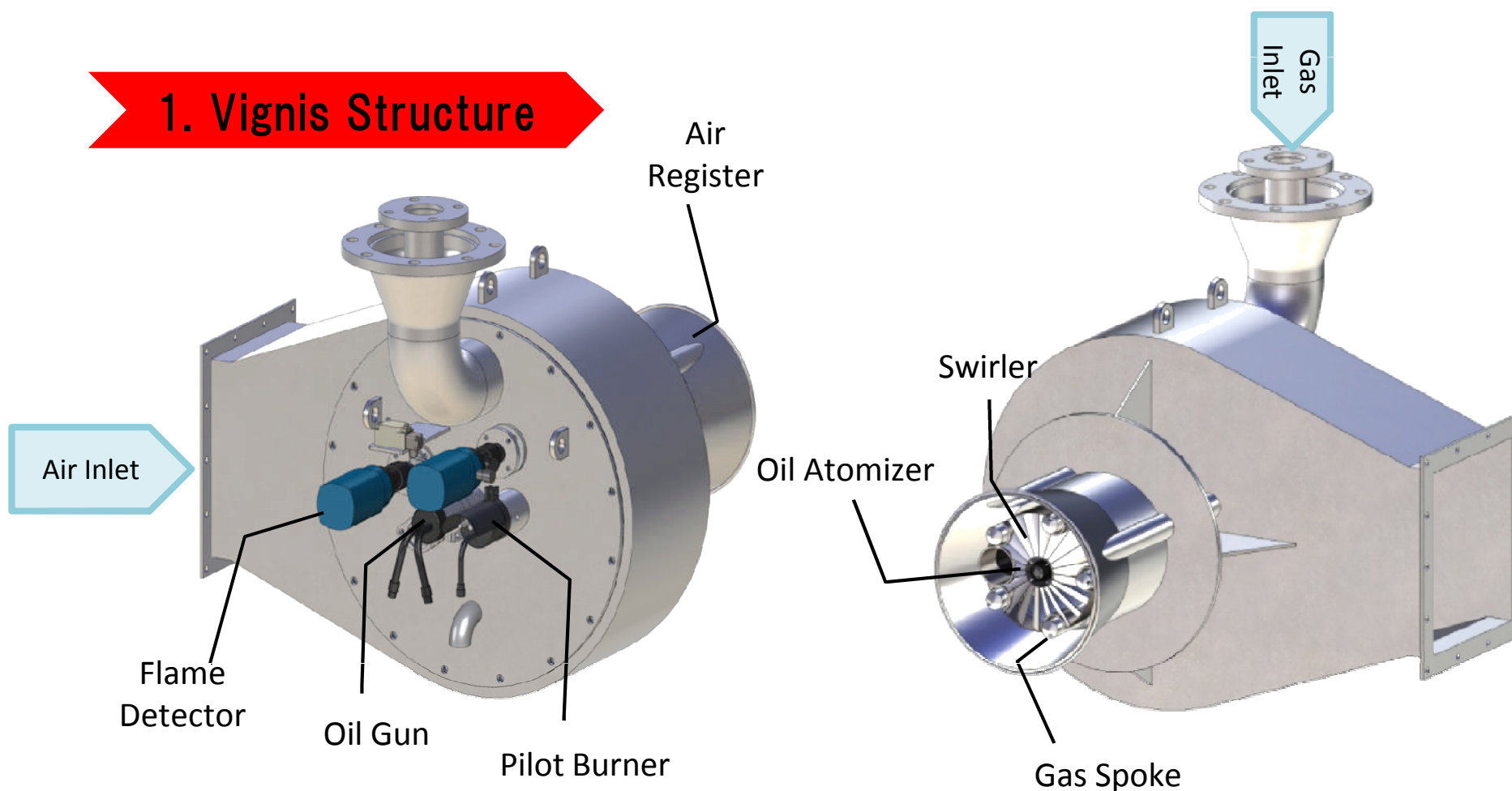
OIL/GAS COMBINATION BURNER

for Auxiliary Boiler on LNG fuel vessel

The SFUGX Series **"Vignis"**

VOLCANO will add an oil/gas combination burner for LNG fuel vessels, which are expected to increase, to our product line. The brand-new burner called **"Vignis"** will be released in April. Equipped with the oil/gas dual combustion mode as well as the oil, gas mono-fuel combustion modes, **"Vignis"** will allow for energy-saving operation.

1. Vignis Structure



2. Vignis Features

- Tri-fuel burner suitable for all HFO, MGO, and LNG fuel.
- Equipped with 5 modes: HFO mono-fuel combustion, MGO mono-fuel combustion, FG mono-fuel combustion, HFO/FG dual combustion, and MGO/FG dual combustion.
- With the oil/gas dual combustion mode, the oil/gas ratio can be freely set to allow for economical operation in accordance with each vessel's circumstances.
- "Vignis", featuring the turndown ratio of 10:1, allows for energy-saving operation.
- By optionally adding minor modifications to the burner itself, "Vignis" will contribute to further reduction in NOx emissions.

Boiler Evaporation	T/H	4	5	6	8	10
Burner Type	SFUGX	-210	-230	-260	-305	-330
Combustion Modes	HFO mono , MGO mono , FG mono HFO /FG dual , MGO/FG dual					
Turndown Ratio	10 : 1					