No. 5

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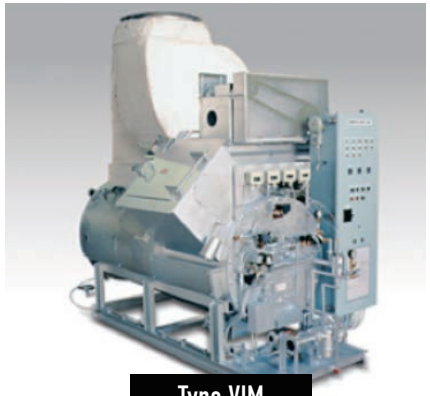
AHTS	PSV	FPSO	Drill Ship	Semi-sub
▶	▶	▶	▶	▶

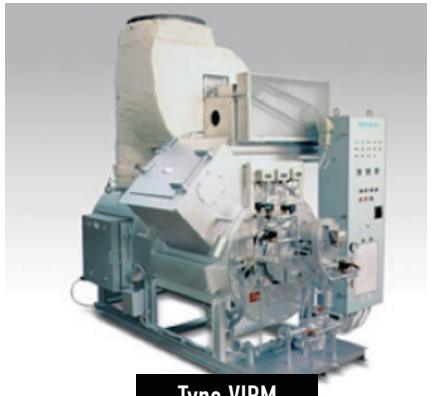
Product

Shipboard Incinerator

VIM / VIRM with IMO type approval certificate



Type VIM



Type VIRM

VOLCANO's design is based on the shipboard incinerator standard specification MEPC76 (40) prescribed by the IMO. The Incinerator has a reputation for "refractory material's durability". We have delivered more than 3,000 units to date.

- Air atomizer type or Rotary cup type can be selected for the waste oil burner.
  If air atomizer type is selected, the merit are "easy maintenance because of simple structure" and "superior durability because of no mechanical part in the burner".
  If rotary cup type is preferred, it is also available.
- An independent furnace structure can provide stable and safe burning of waste oil and solid materials generated on board the vessel.
- The system uses a double-door, bucket mechanism to dump solid materials into the incinerator, making it possible to dump in materials during operation.
- The system uses a diluted air method to quickly cool the emissions temperature to as low as 200°C in order to reduce the level of dioxins that are generated.
- The compact structure integrates the incinerator body, control board and induced draft fan into one unit.
- A sequencer is used to provide safe control with automatic operation.
- The horizontal and cylindrical furnace configuration helps prevent the refractory materials from falling down.

Auxiliary Equipment Specifications

Type of Incinerator			VIM-30	VIRM-30	VIM-50	VIRM-50	VIM-70	VIRM-70	VIM-100	VIRM-100	VIRM-130
Max. Disposal Capacity		kW Kcal/h	349 300,000		581 500,000		814 700,000		1163 1,000,000		1500 1,300,000
Waste Oil Disposal Capacity		kg/h*(1)	40		58		81		116		151
Solid Waste Disposal Capacity		kg/h*(2)	17		30		42		60		60
Waste Oil Burner	Burner Type		Air Jet	Rotary	Air Jet	Rotary	Air Jet	Rotary	Air Jet	Rotary	Rotary
	Burning Capacity	kg/h	Nor. 40 Max. 50	Nor. 40 Max. 50	Nor. 58 Max. 84	Nor. 58 Max. 84	Nor. 81 Max. 117		Nor. 116 Max. 167	Nor. 116 Max. 167	Nor. 151 Max. 217
	Atomizing Air Pressure	MPa	0.15	–	0.25	–	0.25	–	0.15	–	–
	Atomizing Air consumpition	Nm³/h	18.5	–	56.5	–	56.5	–	62.5	–	–
	Burner Motor	kW x p	–	0.4 x 4	–	0.75 x 4	–	1.5 x 4	–	1.5 x 4	3.7 x 4
	Primary Air Fan	Nm³/min	–	1	–	2	–	2.8	–	4	3.7
		kPa	–	2.45	–	2.55	–	2.94	–	3.63	4.05
Pilot Burner	Type		D.O.pressure jet burner								
	Burning Capacity	kg/h	9		9		9	17	9	17	37
	Burning pressure	MPa	0.69		0.69		0.69		0.69		1.37
Waste Oil Pump	Type		TROCHOID Pump								
	Capacity	kg/h	120		200		270		270		330
	Discharge. Press.	MPa	0.2	0.059	0.2	0.059	0.15		0.2	0.15	0.15
Induced Fan	Capacity	M³/min	160		265		365		525		680
	Motor	kW x p	7.5 x 4		11 x 4		18.5 x 4		30 x 4		37 x 4
	Static Pressure	kPa	0.88		0.88		0.98		0.98		0.98
	Gas Temp.	°C	200		200		200		200		200
Depth (D)		mm	2,280		2,600		3,100		3,200		3,450
Width (W)		mm	1,450		1,550		1,820		1,950		2,150
Height (H)		mm	2,570		2,700		3,550		3,700		3,000
Exhaust Gas outlet dia.			5K-450A		JIS F 7805 550A(F)		JIS F 7805 650A(F)		JIS F 7805 800A(F)		JIS F 7805 1,000A(F)
Weight (approx.)		kg	2,500	2,500	3,000	3,000	4,200		6,000	6,000	6,500

Based on IMO standard fuel/waste specification *(1) CV 8600 kcal/kg, *(2) CV 2920 kcal/kg

After-sales service

Service network

We offer our users with our after-sales service including maintenance of equipment after our delivery in many countries all over the world.
Our service system will satisfy your consulting service request to any place at any time.

After service network QR code

Record

Volcano incinerator have the total sales records of 3300unit.
Volcano is first manufacturer of marine incinerator in JAPAN.

Certifications / Applicable rules

All of Classification Societies
(ex. NK, LR, ABS, DNV GL, BV etc)

Volcano incinerators of the VIM and VIRM series are designed and built in compliance with standard specification for shipboard incinerators, MEPC 76(40), released by IMO.