

ADVANCED COMBUSTION SYSTEMS

ENGINEERING
MANUFACTURING
INSTALLATION
SERVICE

MARINE AIR COOLED INCINERATORS

Advanced Combustion Systems' Marine Air Cooled (MAC) Series Incinerators are engineered and manufactured to provide a rugged and durable incineration system for marine and shipboard applications. MRC-series Automatic Loaders provide safe, convenient, and reliable waste loading, eliminating operator exposure to excessive heat and contaminated waste while providing increased throughput versus batch loaded systems of similar size. Additionally, MRC feed systems do not require the use of costly, specialized bags or boxes to load material into the feed system.



FEATURES:

- USCG, ABS Type Approved for shipboard use according to MARPOL Annex VI & MEPC.76(40).
- Meets U.S. EPA & EU regulations.
- Control Panel UL 508A listed for Marine Use
- Dual Chambers, Primary and Secondary
- Hydraulically actuated automatic feed system.
- Induced Draft Fan
- Heavy-duty all welded construction
- Remote mount control panel
- High strength, durable monolithic refractory lining
- Fully integrated PLC control system
- Simple and reliable operation
- Factory plumbed, wired, and tested prior to shipment.
- Designed and manufactured in the USA
- 5 YEAR "Total Component Warranty"

OPTIONS:

- Manual Feed system
- Galvanized Compound Exterior
- Sludge Injection System
- Liquid Waste Injection System



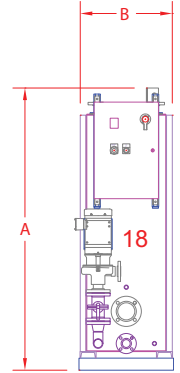
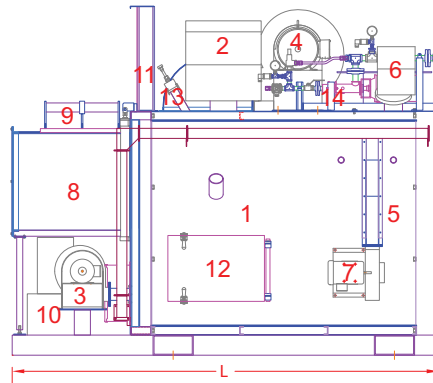
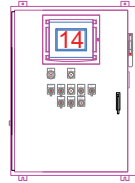
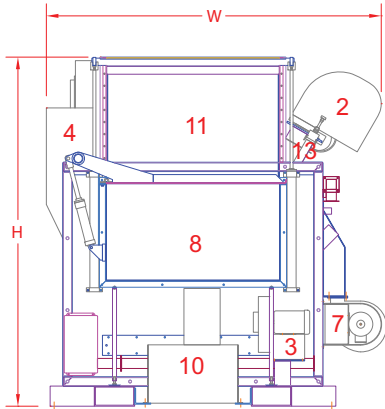
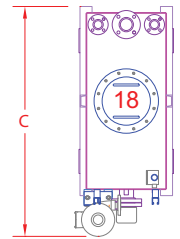
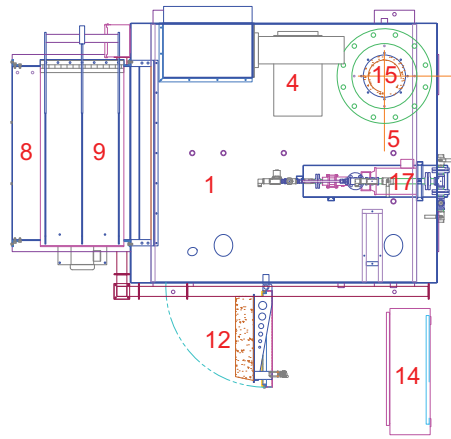
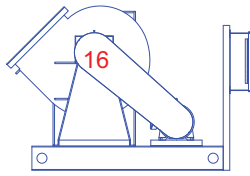
ADVANCED COMBUSTION SYSTEMS

A Division of ACS Inc.

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1. PRIMARY CHAMBER
2. PRIMARY BURNER
3. PRIMARY BLOWER
4. MAIN BLOWER
5. SECONDARY CHAMBER
6. SECONDARY BURNER
7. SECONDARY BLOWER
8. FEEDRAM
9. HOPPER LID
10. HYDRAULIC POWER UNIT
11. CHARGE DOOR
12. ASH CLEANOUT DOOR
13. LIQUID WASTE INJECTION PORT
14. CONTROL PANEL (REMOTE MOUNTED)
15. EXHAUST OUTLET
16. INDUCED DRAFT FAN
17. SLUDGE INJECTION PUMP
18. SLUDGE TANK



MODEL NUMBER	FEEDRAM MODEL	H		W		L		CAPACITY		BURN RATE SOLID WASTE [‡]		BURN RATE LIQUID WASTE [‡]		APPROXIMATE WEIGHT [†]	
		FT	m	FT	m	FT	m	LBS./HR	kW	LBS./HR	kg/h	GAL/HR	l/h	LBS.	kg
MAC-150	MRC6	7'-3"	2.20	8'-9"	2.65	7'-8"	2.34	180	286	180	82	8.2	31	17,300	7 870
MAC-200	MRC6	7'-3"	2.20	8'-11"	2.71	8'-10"	2.70	240	386	240	109	11.1	42	18,700	8 500
MAC-300	MRC6	7'-3"	2.20	9'-2"	2.79	10'-6"	3.20	360	565	360	163	16.1	61	21,400	9 730
MAC-400	MRC6	7'-3"	2.20	9'-11"	3.02	11'-4"	3.45	480	761	480	218	21.9	83	24,200	11 000

* Dimensions can be modified to meet specific applications ‡Actual burning rate depends upon waste composition. †Weight will vary depending on the options ordered.

OPTIONAL SLUDGE INCINERATION SYSTEMS

MODEL NUMBER	A		B		C		CAPACITY		INJECTION RATE (MAX.)		APPROXIMATE WEIGHT [†]	
	FT	m	FT	m	FT	m	GAL.	liter	GAL/HR	l/h	LBS.	kg
MSI-125	5'-6"	1.68	2'-0"	0.61	5'-0"	1.53	125	520	19.5	73.8	1,420	644
MSI-200	5'-10"	1.78	2'-0"	0.61	5'-0"	1.53	200	760	19.5	73.8	1,620	735
MSI-300	5'-10"	1.78	2'-6"	0.76	5'-6"	1.68	300	1140	19.5	73.8	1,800	816
MSI-700	5'-10"	1.78	3'-8"	1.12	7'-4"	2.24	700	2650	19.5	73.8	2,390	1 084

Customizations available. Contact factory for details.

Services:

- Installation and start-up services
- Large parts inventory for immediate shipment
- Service and maintenance contracts for all makes
- Rebuilds and modifications to existing incinerators

Advanced Combustion Systems' Engineering and Testing Facilities are available for complete design and component selection. ACS can custom design and manufacture incineration and control systems to meet any specific application.

ACS, Inc. is your sole source manufacturer for complete incineration systems including waste handling, heat recovery, emission controls and monitoring.



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