



ADVANCED COMBUSTION SYSTEMS
ADVANCED CONTROL SYSTEMS
Divisions of ACS, INC.

1999 ALPINE WAY • BELLINGHAM, WA 98226 PHONE: (360) 676-6005 • FAX: (360) 647-9439

March 18, 2015
Email: rhertzbg@aol.com

Re: Incinerator Model PC-100, CA-100
ACS No.: E-10536

Dear Mr. Hertzberg,

Thank you for your interest in **ACS** incineration systems. Please find enclosed brochures, specification sheets and price lists for the PC-100 and CA-100. I have highlighted the most common options for your application. The PC-100 is a self-contained unit, whereas the CA-100 needs to be installed in a covered area.

Advanced Combustion Systems and **Advanced Control Systems**, divisions of **ACS, Inc.** were founded in 1973. Since 1973, **ACS** has designed and manufactured a variety of combustion systems for the commercial industry and government. **ACS's** systems, such as incinerators, thermal oxidizers, and furnaces, are in use worldwide, performing in such varied and harsh environments as Point Barrow, Alaska, and the Saudi Arabian Desert. **ACS** systems are engineered for maximum performance and efficiency while maintaining high reliability and low maintenance, meeting the most stringent **EPA** emission requirements throughout the world. This kind of achievement has made **ACS** a recognized leader in the incineration industry. **ACS**, as a sole source company, offers in-house mechanical and electrical engineering with all electrical hardware, software, and programming.

ACS engineers and professional staff are available for complete Computer Aided Design systems and component selection. Most of our units come wired, plumbed, and fully tested prior to shipment to minimize installation time. **ACS** can provide supervision or with **ACS** contracting arm, supply a complete turnkey package. With over **1200 systems** worldwide, we back our commitment to quality by offering our customers a five-year, single-source, "Total Component Warranty", the finest in this industry.

Advanced Control Systems, a division of **ACS, Inc.**, is a UL 508 and 698 electrical control facility, which designs and builds process industrial and electrical control equipment. Complete services including consulting, electrical/mechanical design, manufacturing, and software programming are available.

After reviewing our information, should you have any questions, require additional literature or our services, please feel free to contact **ACS, Inc** at 1-800 445-0243 or Mickey@acs-accs.com. We look forward to hearing from you.

Sincerely,

Mickey Milnes
Vice President

Visit our web site at www.acs-accs.com
or e-mail us at info@acs-accs.com



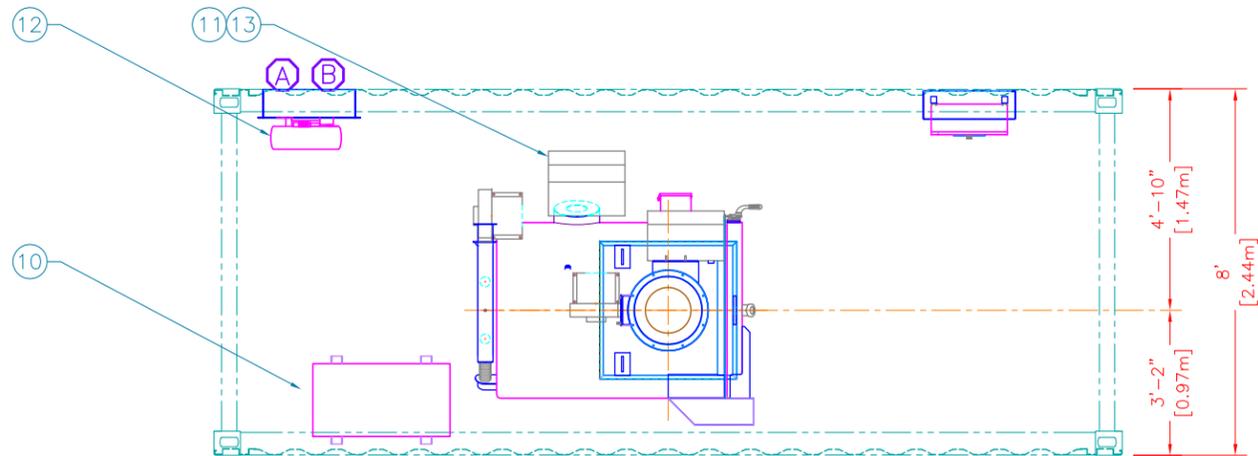


COMMERCIAL PRICE LIST

Part Number	Description	Price
PC-100	Model PC-100 Portable Self Contained Incinerator	\$62,000
	Includes: <ul style="list-style-type: none"> • 20 ft ISO Container • CA-100 Portable Incinerator • Primary/Secondary Temperature Controls • Bolt on Stack Sections, (1) 6-ft Long Refractory Lined, (1) 5-ft Long Stainless Steel • Stack Roof Penetration Kit • Stainless Steel Spark Screen/Rain Cap • Combustion Air Damper • Vapor Tight Light Fixture (2) • Industrial Grade 20 Amp Receptacle • Outdoor Plug-in Receptacle for Electrical Source • Outdoor Fuel Train with Shut-off • Stoking Tools 	
Options:		
PC-100-MCA*	Modulating Primary/Secondary Combustion Air	\$5,096
PC-100-MSF	Modulating Secondary Fuel	\$1,444
PC-100-ALD	Auxiliary Load Door	\$2,732
PC-100-RSS	Six-foot Refractory Lined Stack Section (ea.)	\$1,566
PC-100-SSS	Five-foot Stainless Steel Stack Section (ea.)	\$1,566
PC-100-HSS	Hinged Stainless Steel Stack System	\$1,224
PC-100-1SR	1-second Extended Retention Secondary Chamber	\$10,986
PC-100-2SR	2-second Extended Retention Secondary Chamber	\$13,738
PC-100-PTH	Pathological Adder	\$2,596
PC-100-120	Fuel Tank, 120 Gallon, Dual Wall, UL142	\$4,702
PC-100-240	Fuel Tank, 240 Gallon, Dual Wall, UL142	\$5,530
PC-100-SPP	Spare Parts Package	\$2,322
PC-100-SKD	20' Container Skid	\$6,270
PC-100-EWH	Heater, Extreme Weather Package	\$2,750
PC-100-EWI	Insulation, Extreme Weather Package	\$4,520
PC-100-CDL*	Primary Chamber Door Locking System	\$2,200
PC-100-DDA*	Primary Door Damper Assembly	\$1,092
PC-100-FSS*	Fire Suppression System for Occupied Spaces - USCG APPD	\$6,864
PC-100-MPA	Marine Package (USCG/ABS APPD) ¹	\$15,252
PC-100-RSPP	Remote Sites Spare Parts Package	\$4,546
PC-100-WIS	Waste Oil Injection System	\$11,064

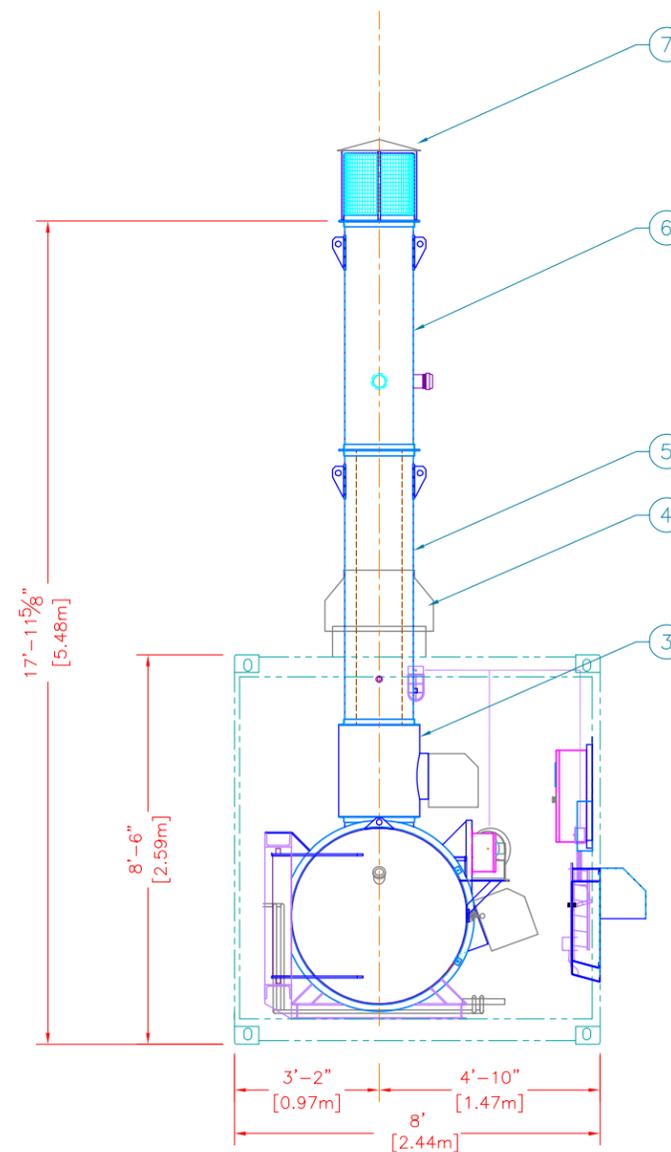
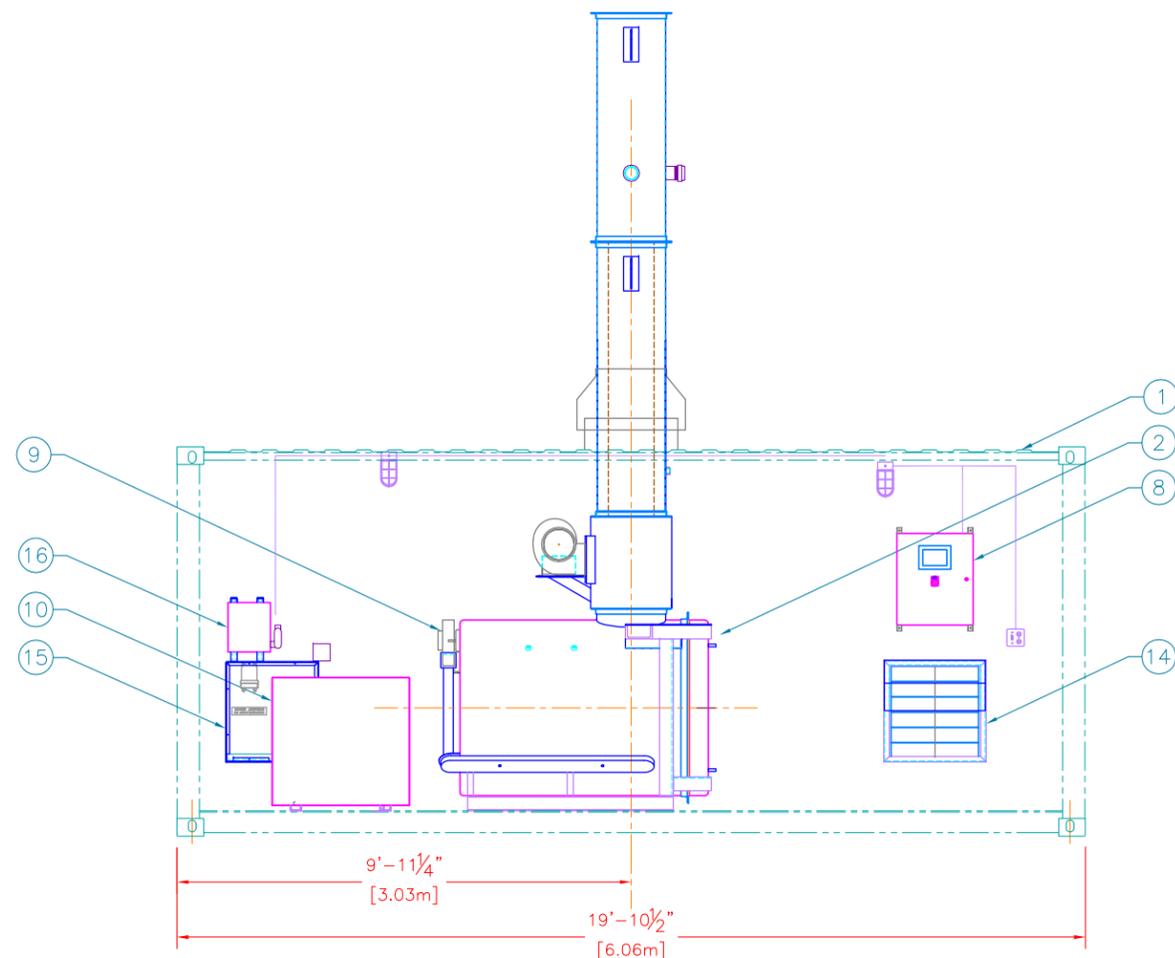
¹ Marine Package includes * items.

REVISIONS			
REV	DESCRIPTION	DATE	APPD



(A) ELECTRICAL SERVICE TIE IN
REFER TO SPECIFICATIONS

(B) FUEL OIL TIE-IN
REFER TO SPECIFICATIONS



EQUIPMENT SPECIFICATION: PC0100-043T2-V05F

* OPTIONAL

ITEM	REQ'D	PART NUMBER	DESCRIPTION	MATERIAL	(LBS.)
16	1		POWER DISTRIBUTION		
15	1		UTILITY BULKHEAD		
14	1		AIR DAMPER LOUVER		
13	3		FUEL OIL BURNER		
12	1		WASTE OIL COMPRESSOR*		
11	1		WASTE OIL INJECTION PORT*		
10	1		WASTE OIL TANK*		
9	2		BLOWER		
8	1		MAIN CONTROL PANEL		
7	1		SPARK ARRESTOR W/RAIN CAP		
6	1		STACK SECTION, UNLINED		
5	1		STACK SECTION, LINED		
4	1		STACK PENETRATION KIT		
3	1		SECONDARY CHAMBER		
2	1		PRIMARY CHAMBER		
1	1		SHIPPING CONTAINER		

UNLESS OTHERWISE SPECIFIED:

STRUCTURAL LINEAR ±1/16" ANGULAR ±2°	MACHINE LINEAR .XXX ±.01 ANGULAR ±1°	<p>MANUFACTURING-ENGINEERING-FABRICATION-CONTROLS Bellingham, Washington USA</p>
BREAK EDGES, REMOVE BURRS		

CUSTOMER	TITLE									
JOB NO.	SETTING PLAN									
DRAWN NC DATE 04/23/10	STANDARD AFTERBURNER									
APPD DATE	PC0100-V05									
THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO ACS, INCORPORATED, AND IS TENDERED SUBJECT TO THE CONDITIONS THAT THE INFORMATION (A) BE RETAINED IN CONFIDENCE, (B) NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, AND (C) NOT BE USED OR INCORPORATED IN ANY PRODUCT, EXCEPT UNDER EXPRESSED WRITTEN AGREEMENT WITH ACS, INCORPORATED.	<table border="1"> <tr> <td>SIZE</td> <td>DRAWING NO.</td> <td>REV</td> </tr> <tr> <td>D</td> <td>3273</td> <td></td> </tr> <tr> <td>SCALE 1/2"=1'</td> <td>SHEET</td> <td>SP 01</td> </tr> </table>	SIZE	DRAWING NO.	REV	D	3273		SCALE 1/2"=1'	SHEET	SP 01
SIZE	DRAWING NO.	REV								
D	3273									
SCALE 1/2"=1'	SHEET	SP 01								

ADVANCED COMBUSTION SYSTEMS

ENGINEERING
MANUFACTURING
INSTALLATION
SERVICE

PORTABLE CONTAINERIZED INCINERATORS

Advanced Combustion Systems' PC-Series Portable Containerized Incinerators are engineered and manufactured to provide a rugged and durable self-contained incineration system for harsh environments. Typical applications include remote sites, small villages, and marine



vessels. Optional Marine package provides *USCG and ABS approved incinerator for shipboard applications. The Marine Series Incinerators meet MARPOL MEPC.76(40) requirements as well as EPA and EU emission regulations.* Each system is equipped with an externally accessible, recessed utility bulkhead configured for quick and easy connection of fuel supply and electrical service.

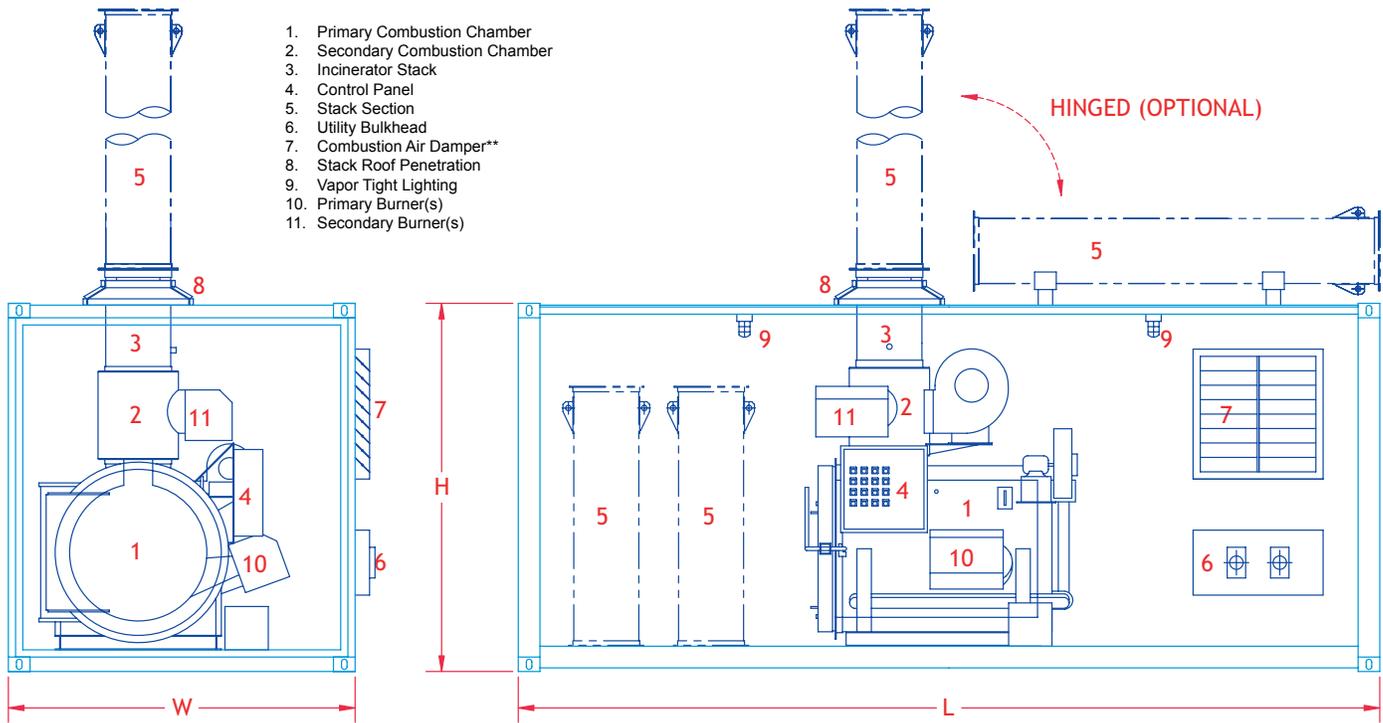
FEATURES:

- Dual Chambers, Primary and Secondary
- Heavy-duty all welded construction
- High strength, durable monolithic castable refractory lining
- Fully integrated PLC control system
- Simple and reliable operation
- Modular design for easy installation
- Factory plumbed, wired, and tested prior to shipment.
- Designed and manufactured in the USA
- 5 YEAR "Total Component Warranty"

OPTIONS:

- Marine Package - USCG, ABS, MARPOL MEPC.76(40) Approved Incinerator for Shipboard Application
- Fully modulated air supply and temperature control
- Hinged/Pivot stack
- Internal or External UL Listed Fuel Tank
- Generator Set
- Modular Transport Skid
- Liquid/Waste Oil System





1. Primary Combustion Chamber
2. Secondary Combustion Chamber
3. Incinerator Stack
4. Control Panel
5. Stack Section
6. Utility Bulkhead
7. Combustion Air Damper**
8. Stack Roof Penetration
9. Vapor Tight Lighting
10. Primary Burner(s)
11. Secondary Burner(s)

MODEL NUMBER	H		W		L		MAXIMUM CHARGE		BURN RATE‡		APPROX. WEIGHT†	
	FT	m	FT	m	FT	m	CU. FT.	m³	LBS./HR	kg/h	LBS.	kg
PC-50	8'-6"	2.59	8'-0"	2.43	20'-0"	6.10	14	0.40	65	30	8,200	3 720
PC-100	8'-6"	2.59	8'-0"	2.43	20'-0"	6.10	27	0.80	125	57	9,500	4 310
PC-150	8'-6"	2.59	8'-0"	2.43	20'-0"	6.10	41	1.20	175	79	11,600	5 260
PC-200	8'-6"	2.59	8'-0"	2.43	20'-0"	6.10	54	1.50	250	113	13,000	5 900
PC-300	8'-6"	2.59	8'-0"	2.43	20'-0"	6.10	81	2.30	375	170	19,000	8 620
PC-400	8'-6"	2.59	8'-0"	2.43	20'-0"	6.10	108	3.10	500	227	22,800	10 340
PC-500	8'-6"	2.59	8'-0"	2.43	20'-0"	6.10	135	3.8	600	272	25,700	11 660

* - Dimensions can be modified to meet specific applications ** Air Damper required on non-dual access container systems
 ‡ - Actual burning rate depends upon waste composition. † - Weight will vary depending on the options ordered.

PC-SERIES INCINERATION SYSTEMS INCLUDE...

- 10 ft., 20 ft., and 40 ft. ISO Containers available
- Full Front and Optional Rear Access
- (M)CA-Series Incinerator
- Primary/Secondary Temperature Controls
- Bolt or Hinged Stack Sections
- Stack Roof Penetration Kit
- Stainless Steel Spark Screen/Rain Cap
- Combustion Air Damper
- Vapor Tight Light Fixtures & 120V Outlet
- Outdoor Plug-in Receptacle for Electrical Source
- Outdoor Fuel Train with Shut-Off
- High Temperature Flooring
- Primary Chamber Door Locking System (Optional)
- Load Ramp (Optional)
- Skid-Mounted Fuel Tank (Optional)
- Marine Package (Optional)

Larger systems and 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.

ADVANCED COMBUSTION SYSTEMS

A Division of ACS Inc.

1999 ALPINE WAY, BELLINGHAM WA 98226
 PHONE: (360) 676-6005 • FAX: (360) 647-9439
 info@acs-accs.com www.acs-accs.com



Made In America
 20090505 712F



PORTABLE CONTAINERIZED INCINERATORS

PC-100 INTERIOR



PC SERIES EXTERIOR - OPTIONAL SKID



OPERATOR/LOAD STATION

PC-400 INTERIOR



PC-300 WITH FEEDRAM INTERIOR



GSA Contract Holder
Contract GS-07F-5637P

GSA Advantage!®

GSA eBuy

SIN: 384-99

DISAST
RECOV



PORTABLE CONTAINERIZED INCINERATORS

**PC SERIES INTERIOR
CONTROL PANEL & AIR LOUVER**



**UTILITY BULKHEAD - QUICK DISCONNECT ELECTRICAL &
FUEL OIL WITH EXTERNAL E-STOP**



PC-300 WITH FEEDRAM EXTERIOR



**PC-400 EXTERIOR
AIR MANIFOLD ACCESS & UTILITY BULKHEAD**



**PC0400
LIQUID/WASTE OIL SYSTEM**

ADVANCED COMBUSTION SYSTEMS

A Division of ACS Inc.

1999 ALPINE WAY, BELLINGHAM WA 98226
PHONE: (360) 676-6005 • FAX: (360) 647-9439

712SF
20100422





INCINERATOR SPECIFICATIONS

SPECIFICATION NUMBER: CA0100S-043T2-V05F

DATE: 3/18/2015

EQUIPMENT: INCINERATOR MODEL CA0100

By: MM

STANDARD VERTICAL SECONDARY CHAMBER

WASTE TYPE:	2	4,355 btu/lb	2,419 kcal/kg
¹BURN RATE:		120 lb/hr	54.4 kg/hr
BATCH LOAD CAPACITY:		515 lb	233.4 kg

PRIMARY CHAMBER:

Shell Thickness	3/16 in	4.8 mm	
Outside Diameter	46.00 in	1,168.4 mm	
Outside Length	64.00 in	1,625.6 mm	
Orifice Diameter	6.50 in	165.10 mm	
Insulation	1.00 in	25.4 mm	MINERAL WOOL 1900°F (1038°C)
Lining	3.00 in	76.2 mm	REFRACTORY 2800°F (1538°C)
Inside Diameter	38.00 in	965.2 mm	
Inside Length	56.00 in	1,422.4 mm	
Chamber Volume	36.8 ft ³	1.04 m ³	
Hearth Area	14.8 ft ²	1.37 m ²	
Weight	4,072 lb	1,847 kg	

SECONDARY CHAMBER:

Shell Thickness	3/16 in	4.8 mm	
Outside Diameter	21.38 in	542.9 mm	
Outside Length	24.00 in	609.6 mm	
Insulation	1.69 in	42.9 mm	AIR COOLED
Lining	3.00 in	76.2 mm	REFRACTORY 2800°F (1538°C)
Inside Diameter	12.00 in	304.8 mm	
Inside Length	24.00 in	609.6 mm	
Chamber Volume	1.57 ft ³	0.04 m ³	
Weight	535 lb	243 kg	

INCINERATOR SPECIFICATIONS (CONTINUED)

SPECIFICATION NUMBER: CA0100S-043T2-V05F

DATE: 3/18/2015

EXHAUST STACK:

REFRACTORY LINED

Outside Diameter	18.00 in	457.2 mm	
Outside Length	72.00 in	1828.8 mm	
Lining	3.00 in	76.2 mm	REFRACTORY 2500°F (1371°C)
Inside Diameter	12.00 in	304.8 mm	
Number of Sections	1.00 ea	1.00 ea	

UN-LINED STAINLESS

Outside Diameter	18.00 in	457.2 mm
Outside Length	60.00 in	1524 mm
Number of Sections	1.00 ea	1.00 ea

GENERAL

Shell Thickness	12 GA	2.7 mm
Total Stack Length	11.00 ft	3.35 m
Stack Height Above Base	17.42 ft	5.31 m
Weight	823 lb	373 kg

PORTABLE CONTAINER: NOT EQUIPPED

Height	0.0 in	0.0 mm
Width	0.0 in	0.0 mm
Length	0.0 in	0.0 mm
Weight	0 lb	0 kg

OPTIONAL EQUIPMENT:

AUXILIARY LOAD DOOR	Not Equipped
TOP LOADER	Not Equipped
FEEDRAM	Not Equipped
CART TIPPER	Not Equipped
ASH STOKER	Not Equipped
ASH REMOVAL	Not Equipped
WASTE OIL INJECTION SYSTEM	Not Equipped

TOTAL SYSTEM WEIGHT: 5,430 lb 2,463 kg

INCINERATOR SPECIFICATIONS (CONTINUED)

SPECIFICATION NUMBER: CA0100S-043T2-V05F

DATE: 3/18/2015

AUXILIARY FUEL BURNERS:

PRIMARY CHAMBER

1 each Adjustable to: 800,000 btu/hr 844,045 kJ/hr

SECONDARY CHAMBER

1 each Adjustable to: 800,000 btu/hr 844,045 kJ/hr

AUXILIARY FUEL USAGE:

#2 FUEL OIL @ 138,700 btu/gal (38,658kJ/l)

Average Firing Rate 1.7 gal/hr 6.5 l/hr

POWER USAGE:

Average 1.7 kW

Maximum 3.2 kW

UTILITIES: TO ASSIST IN SIZING UTILITY SERVICES

#2 FUEL OIL SERVICE 11.5 gal/hr 43.7 l/hr

ELECTRICAL SERVICE

120/1/60 40.0 Amps 115/1/50 40.0 Amps

240/1/60 20.0 Amps 230/1/50 20.0 Amps

NOTES:

1. 95% REDUCTION OF COMBUSTIBLE SOLID WASTE



ADVANCED COMBUSTION SYSTEMS
 ADVANCED CONTROL SYSTEMS
 Divisions of ACS, INC.

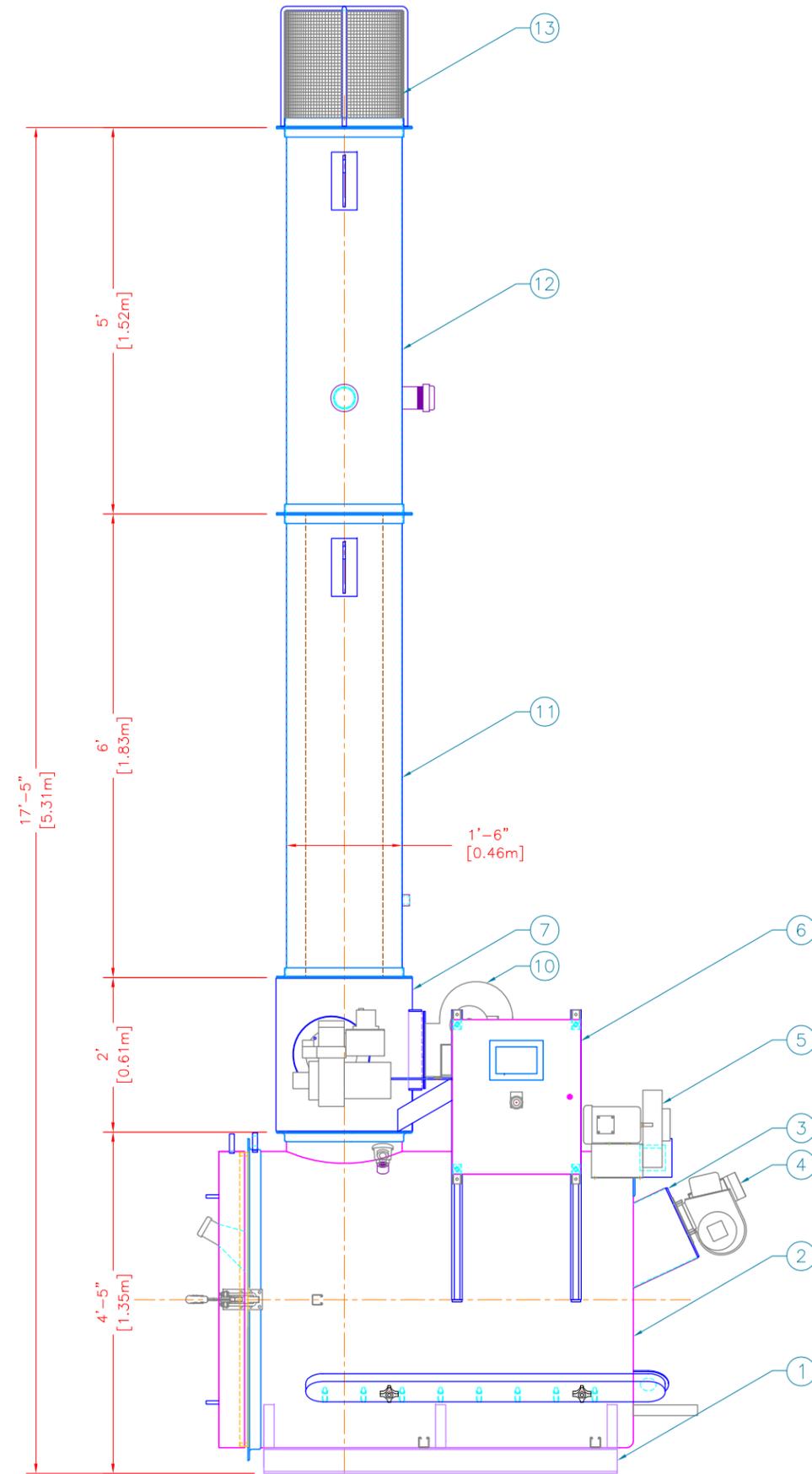
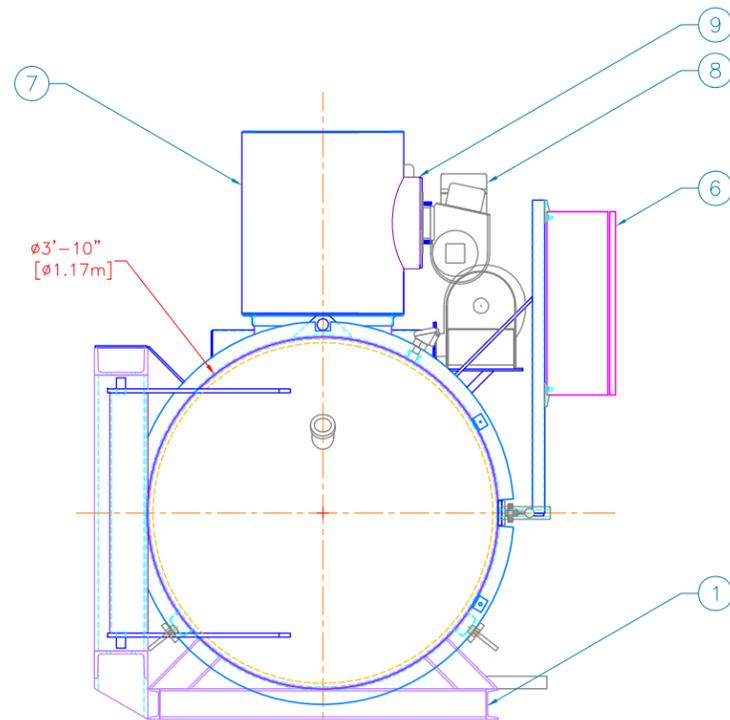
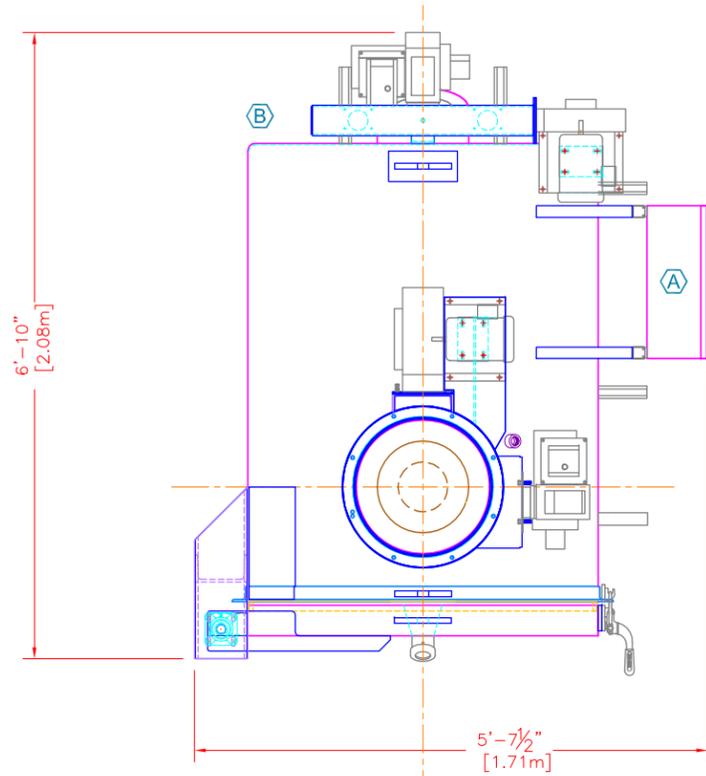
1999 ALPINE WAY • BELLINGHAM, WA 98226 PHONE: (360) 676-6005 • FAX: (360) 647-9439

COMMERCIAL PRICE LIST

Part Number	Description	Price
CA-100	Model CA-100 Incinerator	\$36,752
	Burning Rate*: 50 – 120 lbs/hr	
	Includes: One (1) six-foot refractory lined stack section	
	One (1) five-foot stainless steel stack section	
	Temperature Control, Primary/Secondary	
	Stoking Tools	
	Stainless Steel Spark Screen	
Options:		
CA-100-MCA	Modulating Primary/Secondary Combustion Air	\$5,096
CA-100-MSF	Modulating Secondary Fuel	\$1,444
CA-100-ALD	Auxiliary Load Door	\$2,732
CA-100-RSS	Six-foot Refractory Lined Stack Section (ea.)	\$1,566
CA-100-SSS	Five-foot Stainless Steel Stack Section (ea.)	\$1,566
CA-100-OWK	Outdoor Weatherization Kit	\$640
CA-100-SRC	Stainless Steel Rain Cap	\$936
CA-100-HSS	Hinged Stainless Steel Stack System	\$1,224
CA-100-1SR	1-second Extended Retention Secondary Chamber	\$10,986
CA-100-2SR	2-second Extended Retention Secondary Chamber	\$13,738
CA-100-SPP	Spare Parts Package	\$2,322
CA-100-RSPP	Remote Sites Spare Parts Package	\$4,546
CA-100-WIS	Waste Oil Injection System	\$11,064

*Actual burning rate depends upon waste composition.

REVISIONS			
REV	DESCRIPTION	DATE	APPD



- (A) ELECTRICAL SERVICE TIE-IN
REFER TO SPECIFICATIONS
- (B) FUEL OIL TIE-IN
REFER TO SPECIFICATIONS

EQUIPMENT SPECIFICATION: CA0100-043T2-V05F

ITEM	REQ'D	PART NUMBER	DESCRIPTION	MATERIAL	(LBS.)
13	1		SPARK ARRESTOR, SS MESH		
12	1		STACK SECTION, STAINLESS		
11	1		STACK SECTION, REFRACTORY LINED		
10	1		SECONDARY BLOWER		
9	1		SECONDARY BURNER MOUNT		
8	1		SECONDARY BURNER		
7	1		AFTERBURNER, STANDARD		
6	1		CONTROL PANEL		
5	1		PRIMARY BLOWER		
4	1		PRIMARY BURNER		
3	1		PRIMARY BURNER MOUNT		
2	1		PRIMARY CHAMBER		
1	1		PRIMARY CHAMBER BASE		

UNLESS OTHERWISE SPECIFIED,
 TOLERANCES:
 STRUCTURAL LINEAR ±1/16" MACHINE LINEAR .XXX ±.01
 ANGULAR ±2° ANGULAR ±1°

BREAK EDGES, REMOVE BURRS

CUSTOMER: _____ TITLE: SETTING PLAN
 JOB NO.: _____ DRAWING NO.: 3266
 DRAWN: NC DATE 04/22/10 APPD: _____ SHEET SP 01

SCALE 1" = 1'

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ACS INCORPORATED
 MANUFACTURING-ENGINEERING FABRICATION CONTROLS
 Bellingham, Washington USA

ADVANCED COMBUSTION SYSTEMS

ENGINEERING
MANUFACTURING
INSTALLATION
SERVICE

CONTROLLED AIR INCINERATORS

Advanced Combustion Systems' CA-Series Controlled Air Incinerators are designed and manufactured with the latest industry technology, providing a rugged and durable incinerator for harsh environments. ACS CA-Series incinerators are engineered for maximum performance and efficiency while maintaining high reliability with low maintenance, meeting the most stringent EPA emission requirements throughout the world.



OPTIONS:

- Fully modulated air supply, temperature controlled
- Fully integrated PLC controls
- Extra retention secondary chambers
- Auxiliary load doors
- Automatic waste loading systems
- Automatic ash removal systems

FEATURES:

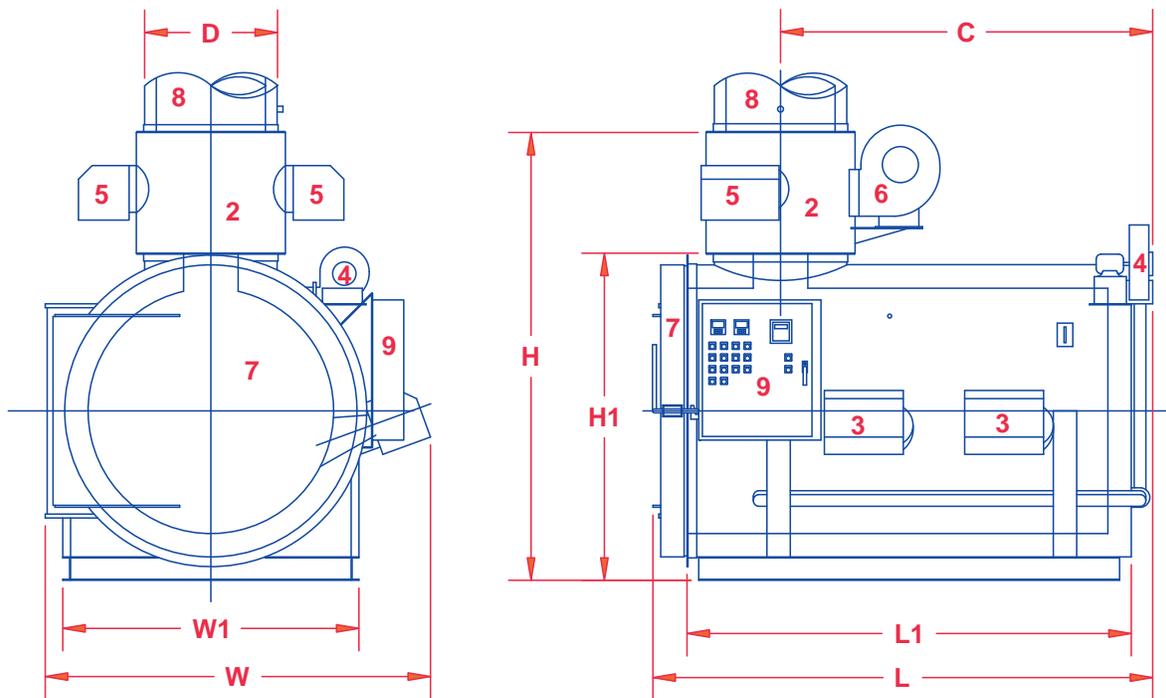
- Heavy-duty all welded construction
- High strength, durable monolithic castable refractory lining
- Fully automatic electrical controls
- Simple and reliable operation
- Full swing combustion chamber door for total access
- Modular design for easy installation
- Factory plumbed, wired, and tested prior to shipment
- Designed and manufactured in the USA
- 5 YEAR "Total Component Warranty"

ADVANCED COMBUSTION SYSTEMS

A Division of ACS Inc.

1999 ALPINE WAY, BELLINGHAM WA 98226
PHONE: (360) 676-6005 • FAX: (360) 647-9439
E-MAIL: info@acs-accs.com





- 1. PRIMARY COMBUSTION CHAMBER
- 2. SECONDARY COMBUSTION CHAMBER
- 3. PRIMARY BURNER(S)
- 4. PRIMARY BLOWER
- 5. SECONDARY BURNER(S)
- 6. SECONDARY BLOWER
- 7. PRIMARY LOAD DOOR
- 8. INCINERATOR STACK
- 9. CONTROL PANEL

MODEL NUMBER	OVERALL DIMENSIONS ¹								MAX. CHARGE CU. FT.	BURN RATE (MAX.) LBS./HR. ²	APPROX. WEIGHT LBS. ³
	H	H1	W	W1	L	L1	C	D			
CA-50	5'-10"	3'-10"	5'-0"	3'-2"	5'-0"	4'-0"	3'-4"	1'-4"	14	25 - 65	2,800
CA-100	6'-4"	4'-4"	5'-8"	3'-10"	6'-2"	5'-0"	4'-3"	1'-6"	27	50 - 125	4,100
CA-150	7'-4"	5'-4"	6'-5"	4'-8"	7'-0"	5'-6"	4'-5"	1'-10"	41	75 - 190	6,200
CA-200	7'-7"	5'-4"	6'-5"	4'-8"	8'-8"	7'-6"	6'-4"	2'-0"	54	100 - 250	8,000
CA-300	8'-7"	6'-5"	7'-6"	5'-8"	8'-1"	6'-10"	5'-4"	2'-2"	81	150 - 375	14,000
CA-400	9'-0"	6'-5"	7'-6"	5'-8"	11'-6"	9'-0"	8'-0"	2'-6"	108	200 - 500	16,800
CA-500	9'-8"	7'-1"	8'-2"	6'-3"	10'-10"	9'-6"	8'-0"	2'-10"	135	250 - 625	19,700
CA-750	10'-7"	7'-1"	8'-2"	7'-0"	11'-6"	9'-6"	8'-0"	2'-10"	203	375 - 940	22,500
CA-1000	10'-7"	7'-9"	9'-0"	7'-0"	15'-6"	13'-6"	9'-6"	3'-6"	270	500 - 1,250	27,500
CA-1250	11'-2"	7'-9"	9'-0"	7'-0"	19'-6"	16'-6"	13'-6"	4'-0"	338	625 - 1563	38,000
CA-1500	13'-1"	9'-1"	10'-3"	8'-4"	14'-7"	13'-6"	11'-0"	4'-0"	405	750 - 1875	40,000

1. Dimensions can be modified to meet specific applications 2. Actual burning rate depends upon waste composition. 3. Weight will vary depending on the options ordered.

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.



ACS INCORPORATED
 1999 ALPINE WAY BELLINGHAM, WA 98226
 PHONE: 360.676.6005 FAX: 360.647.9439
 TOLL FREE: 800.445.0243
 WWW.ACS-ACS.COM





ACS

INCORPORATED
BELLINGHAM, WASHINGTON



**“PROVIDING ENVIRONMENTAL SOLUTIONS FOR INDUSTRY
SINCE 1973”**

Advanced Combustion Systems



ACS combustion systems are designed and manufactured at our modern facility located in Bellingham, Washington, using the latest in manufacturing process equipment to provide rugged and durable systems worldwide.

Our combustion systems are engineered for maximum efficiency while meeting stringent emission requirements throughout the world.

ACS engineers and professional staff are available for complete computer-aided design and component selection.

**WITH OVER 1200 SYSTEMS WORLDWIDE,
WE BACK OUR COMMITMENT TO QUALITY
BY OFFERING OUR CUSTOMERS A
5 YEAR "TOTAL COMPONENT
WARRANTY"**

SYSTEMS

Incinerators • Thermal Oxidizers • Ovens •
Furnaces • Heat Recovery Systems • Scrubbers •
Co-generation • Material Handling Systems •
Waste Reduction • Dryers • Melting Furnace •
Crematorium

APPLICATIONS

Municipal • Cremation • Hospital • Infectious
• Pathological • Industrial • Hazardous/Toxic •
Contaminated Soil • Liquids • Marine • Fume •
Confidential • Sludge • Precious Metals •
Emissions Control

FEATURES

Standard or Custom Systems
Stationary/Modular or Mobile Systems
Horizontal/Vertical Configurations
Mass Burn, Controlled Air, Rotary Kiln
Fully Automatic Controls
Batch Feed or Continuous Operation
Waste Processing Feed/Ash Removal Systems
Rear, Side & Top Loading Systems





508

Industrial Control Panels
File Number: E120409
Flame Control Panels
File Number: E153060



698

Industrial Control Panels
Groups A, B, C & D
Hazardous Locations
File Number: E200998



Advanced Control Systems

A Division of ACS, Inc.

- UL 508 Listed Industrial Control Panels
- UL 508 Classified Flame Control Panels
- UL 698 Listed Industrial Control Panels for Hazardous Locations
- Custom Process Control Systems
- Programmable Logic Controller Specialists
- Single-Panel or OEM Production Quantity Fabrication

- Plant Automation
- Combustion Controls
- Motor Control Centers
- Telemetry Systems
- Autoclave Control Systems
- Continuous Emissions Monitoring
- Data Acquisition
- Prototypes
- Retrofits or Upgrades
- Packaged & Custom Software

PROCESS CONTROL SYSTEMS



COMBUSTION CONTROL SYSTEMS

Engineering

Our engineering staff uses the latest hardware and software, including AutoCad, RSVIEW, and others to provide complete design services for electrical, mechanical, and control systems.

Manufacturing

We also have a complete steel fabrication facility and assembly plant for customer prototype and outside work. Our shop is equipped with TIG/MIG wire machines, breaks, shears and plasma arc.

Construction

ACS, Inc. is licensed and bonded as a general contractor. We can do any job from the ground up with full turnkey design and construction capabilities.

Service

ACS maintains a fleet of fully equipped service trucks and vans to provide on-site service. We also maintain an inventory of service parts for quick turnaround. Our shipping department is experienced with international logistics to minimize overseas delays.



***FROM CONCEPT TO
COMPLETION...
...A DISTINCT DIFFERENCE IN
PERFORMANCE***



Advanced Combustion Systems division, manufactures auxiliary equipment required for a complete **sole source** project, such as waste handling systems, auto ash removal, heat recovery boilers, scrubbers, and other emission control equipment.

Other Services Available from **Advanced Combustion Systems:**

- Planning, Consulting and Feasibility Studies
- Site Evaluation
- Permitting
- Emission Testing
- Independent Testing and Analysis
- Certified Operator Training
- Retrofits, Modifications and Equipment Upgrades
- Repairs and Maintenance Service Contracts
- Replacement Parts
- Field Service — Factory Direct
- Quality Assurance and Control Program

Our UL[®] certified **Advanced Control Systems** division, offers a wide range of experience and capabilities in electrical controls and plant automation. ACS also specializes in custom programming of PLC's and PC-based plant automation controls and interfaces. Our engineering staff is familiar with all automation applications and can customize one to best fit the job.

Other Services of **Advanced Control Systems:**

- Custom Enclosure Fabrication
- Complete Systems Integration
- Process Control Loops
- Software Training
- Control Repair or Upgrades
- Maintenance Contracts
- Prototypes
- Air Emissions Analysis





Our 2,500 square foot corporate office, 10,000 square foot manufacturing plant and electrical control facility are located in Bellingham, Washington.
Our office is open from 8:00 AM to 5:00 PM PST Monday through Friday.

Advanced Combustion Systems and **Advanced Control Systems**, divisions of **ACS, Inc.** were founded in 1973. For over 27 years, **ACS** has designed and manufactured a variety of combustion and control systems for commercial industry and government.

The office staff, engineering and customer service departments at **ACS** extend to you an invitation to contact us for all of your combustion and electrical requirements.
We look forward to hearing from you soon.

Visit our website at www.acs-ac.com

Access our electronic data information sheets and information request forms. You can also view our current parts inventory and refurbished equipment site.

ENGINEERING • MANUFACTURING • INSTALLATION • SERVICE



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