

# ADVANCED COMBUSTION SYSTEMS

ENGINEERING  
MANUFACTURING  
INSTALLATION  
SERVICE

## VERTICAL INCINERATORS

Advanced Combustion Systems' CA-V-Series Controlled Air Incinerators are designed and manufactured with the latest industry technology providing a rugged and durable incinerator for harsh environments. The CA-V-Series vertical unit's configuration maximizes the incinerator size for a given equipment pad foot print. When floor space is a problem, these units offer the solution. ACS 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.

### FEATURES:

- Heavy-duty all welded steel construction
- High strength, durable monolithic castable refractory lining
- Fully automatic electrical controls
- Simple and reliable operation
- Extra retention time secondary chambers
- 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

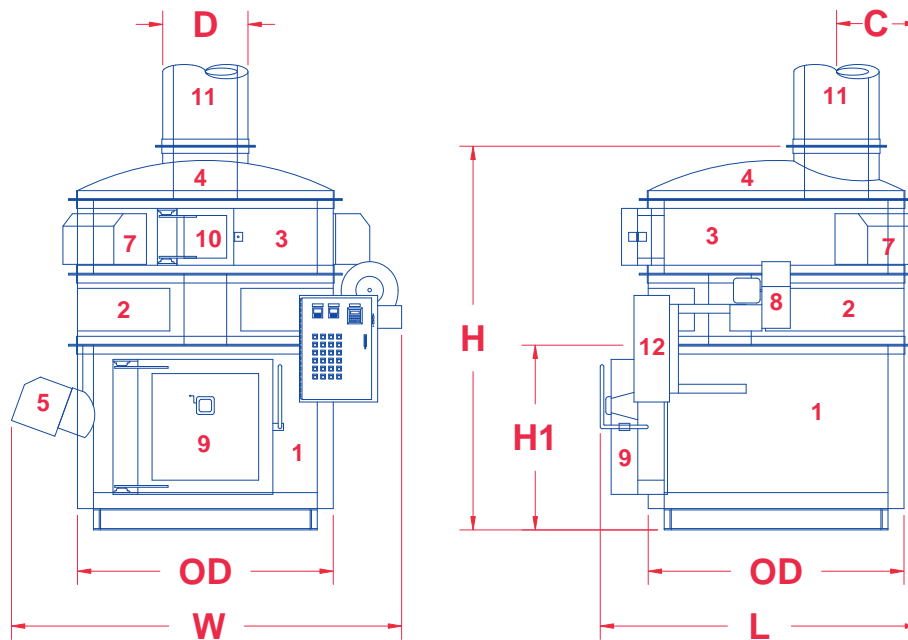
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- |                                 |                        |                            |
|---------------------------------|------------------------|----------------------------|
| 1. Primary combustion chamber   | 5. Primary burner(s)   | 9. Primary chamber door    |
| 2. Chambers mid section         | 6. Primary blower      | 10. Secondary chamber door |
| 3. Secondary combustion chamber | 7. Secondary burner(s) | 11. Incinerator stack      |
| 4. Secondary chamber head       | 8. Secondary blower    | 12. Control panel          |

| Model Number | Overall Dimensions <sup>1</sup> |       |        |        |       |        |        | Max. Charge (cu-ft) | Burning Rate (lbs/hr) <sup>2</sup> | Approx. Weight (lbs) <sup>3</sup> |
|--------------|---------------------------------|-------|--------|--------|-------|--------|--------|---------------------|------------------------------------|-----------------------------------|
|              | H                               | H1    | W      | L      | OD    | C      | D      |                     |                                    |                                   |
| CA-100V      | 8'-10"                          | 4'-4" | 7'-8"  | 6'-8"  | 4'-4" | 1'-6"  | 1'-6"  | 27                  | 50 - 125                           | 6,200                             |
| CA-150V      | 9'-2"                           | 4'-6" | 9'-2"  | 8'-2"  | 5'-8" | 1'-8"  | 1'-10" | 41                  | 75 - 190                           | 9,800                             |
| CA-200V      | 9'-2"                           | 4'-6" | 9'-9"  | 8'-9"  | 6'-3" | 2'-0"  | 2'-0"  | 54                  | 100 - 250                          | 12,400                            |
| CA-300V      | 10'-4"                          | 5'-0" | 10'-6" | 9'-6"  | 7'-0" | 2'-4"  | 2'-2"  | 81                  | 150 - 375                          | 18,800                            |
| CA-400V      | 12'-4"                          | 6'-4" | 10'-6" | 9'-6"  | 7'-0" | 2'-10" | 2'-6"  | 108                 | 200 - 500                          | 20,800                            |
| CA-500V      | 11'-6"                          | 5'-6" | 12'-0" | 11'-0" | 8'-4" | 3'-4"  | 2'-10" | 135                 | 250 - 625                          | 23,700                            |

1. Dimensions can be modified to meet specific applications. 2. Actual burning rate depends upon waste composition. 3. Weight will vary on 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's Engineering and Testing Facilities are available for system design and component selection. ACS can custom design and manufacture burning 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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