

# ADVANCED COMBUSTION SYSTEMS

ENGINEERING  
MANUFACTURING  
INSTALLATION  
SERVICE

## PORT AIR INJECTION SYSTEMS

Advanced Combustion Systems' AP-Series Port Air Injection systems are the latest innovative development in high temperature/infectious waste incineration. Manufactured by ACS, these systems reduce emissions, primary chamber temperatures, and secondary chamber auxiliary fuel usage. ACS's AP-Series Port Air Injection systems are recommended when incinerating waste with energy content in excess of 6500 BTU/lb.

### FEATURES:

- Heavy-duty all welded steel construction
- Fully modulated air supply, temperature controlled
- Single and dual radially ported systems
- Vertical and horizontal configurations
- Dual wall pre-heat chamber
- Fully integrated PLC controls
- Modular systems available for retrofit applications
- Factory plumbed, wired, and painted
- Designed and manufactured in the USA
- 5 year "Total Component" warranty



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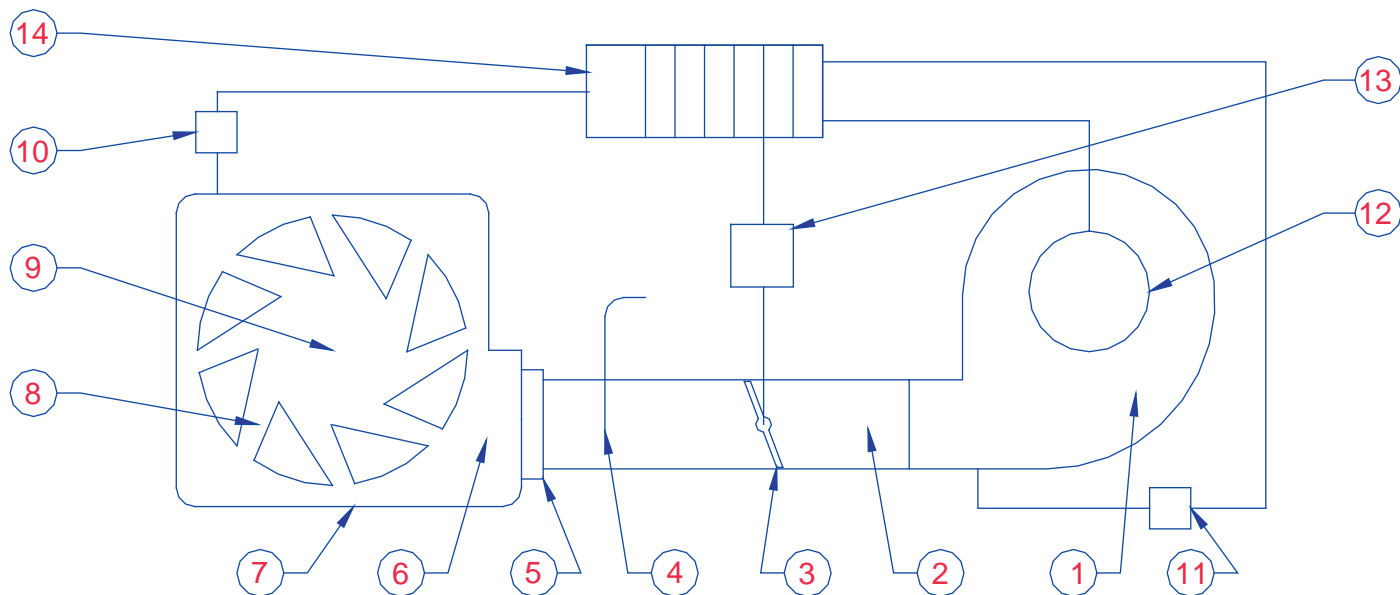
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|------------------------|------------------------|----------------------------|--------------------------------|-------------------------------|
| 1. Air supply blower   | 4. Manual adjust gate  | 7. Air pre-heat wall       | 10. Air temperature transducer | 13. Modulating damper control |
| 2. Air supply manifold | 5. Air plenum manifold | 8. Air port injector       | 11. Air pressure transducer    | 14. PLC controller            |
| 3. Modulating damper   | 6. Air plenum chamber  | 9. Combustible gas orifice | 12. Air supply blower motor    |                               |

Model Number	Incinerator Model Range		Blower Model	Blower HP	Blower CFM	System Weight
AP-50	CA-100	CA-300	2C820	1/3	500	750
AP-500	CA-400	CA-750	4C108	1	800	1250
AP-1500	CA-1000	CA-1500	4C329	3	1200	1750
AP-2500	CA-1750	CA-2500	4C330	5	2100	2250

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

**Services:**

- Installation and start-up services
- Large parts inventory for immediate shipment
- Service and maintenance contracts for all makes
- 5 year total component warranty

Advanced Combustion Systems' Engineering and Testing Facilities are available for complete design and component selection. ACS can custom design and manufacture waste loading and control systems to meet any specific application. ACS can also modify or rebuild existing automatic loaders to meet your needs.



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