

ADVANCED COMBUSTION SYSTEMS

ENGINEERING
MANUFACTURING
INSTALLATION
SERVICE

LIQUID WASTE INJECTION SYSTEM

Advanced Combustion Systems' WIS-Series Liquid Waste Injection Systems are engineered and manufactured to provide a rugged and durable waste injection system for harsh environments.



The WIS consists of an air compressor, double walled storage tank, oil filter, oil pump, in-line heater, solenoid valves, injection nozzle assembly and electrical controls. These components form a system to condition the liquid waste for injection into the incinerator. The conditioned liquid waste is pumped to an air atomizing nozzle, which injects the waste into the path of a pilot flame providing complete and clean combustion of the waste. When paired with a solid waste incinerator, the WIS supplements the auxiliary fuel required to incinerate the solid waste, increasing operational efficiencies. The system can also be utilized solely to incinerate liquid waste, alleviating the need to store and manage waste oil and combustible liquids.

This system is used to dispose of waste oils such as used motor oil from engine crankcases, transmission fluid, brake fluid, petroleum based hydraulic fluid, and gear lubricants not to exceed SAE 90. Consult ACS for incineration of other liquids.

FEATURES:

- Heavy-duty all welded construction
- Fully integrated with Incinerator 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



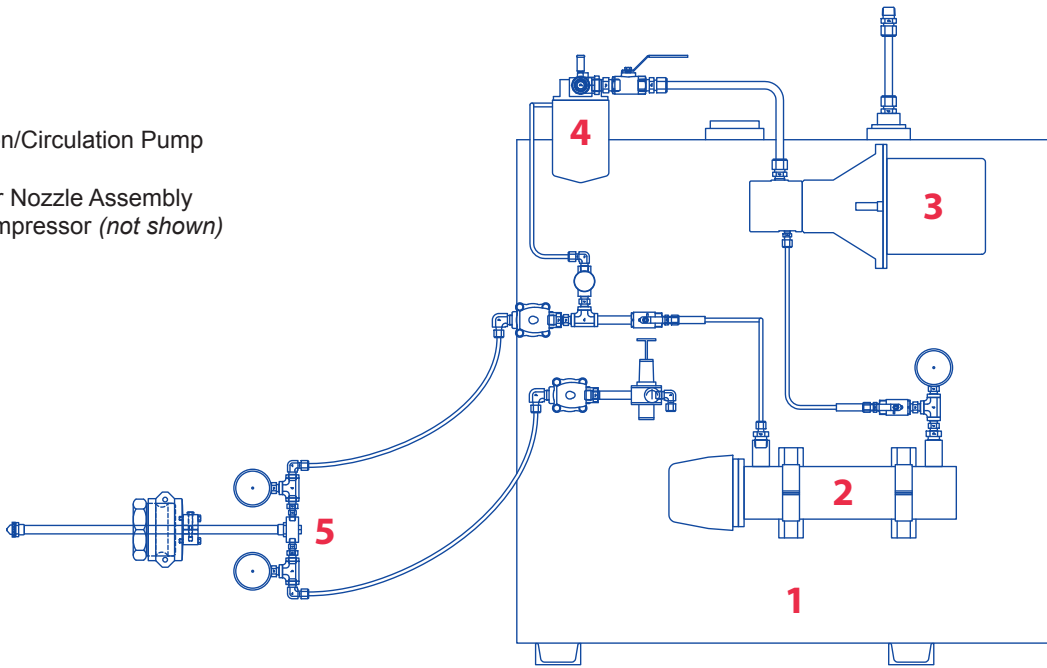
ADVANCED COMBUSTION SYSTEMS

A Division of ACS Inc.

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1. Tank
2. Heater
3. Injection/Circulation Pump
4. Filter
5. Injector Nozzle Assembly
6. Air Compressor (not shown)



Larger systems available. Contact factory for details.

MODEL NUMBER	LIQUID WASTE BURN RATE		TANK CAPACITY		POWER REQUIRED	LENGTH		WIDTH		HEIGHT		APPROX. WEIGHT†	
	GPH	l/h	GAL.	liters	kW	FT	m	FT	m	FT	m	LBS.	kg
WIS-50	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-100	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-150	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-200	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-300	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-400	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-500	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-750	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-1000	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-1500	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-2000	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-2500	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-3000	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227
WIS-4000	2.9	11.0	75	284	3.7	3'-0"	.91	2'-8"	.81	3'-4"	1.02	500	227

* - Dimensions can be modified to meet specific applications ‡ - Actual burning rate depends upon waste composition. † - 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.



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