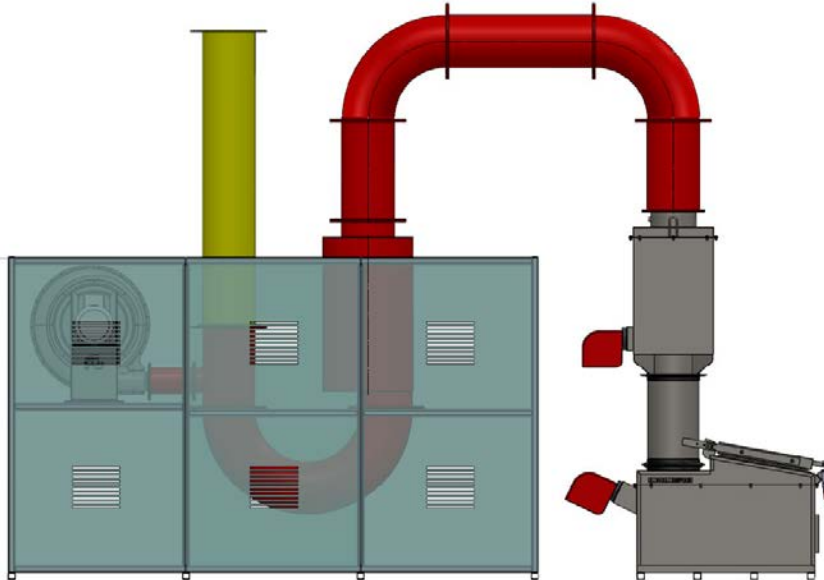


i8-VGS-LRG
Venturi Gas Scrubber

I8-VGS (LRG)

Venturi Gas Scrubbing System

The VGS is recommended when the incinerator is processing either medical, pharmaceutical or other types of hazardous waste which can produce harmful emissions.

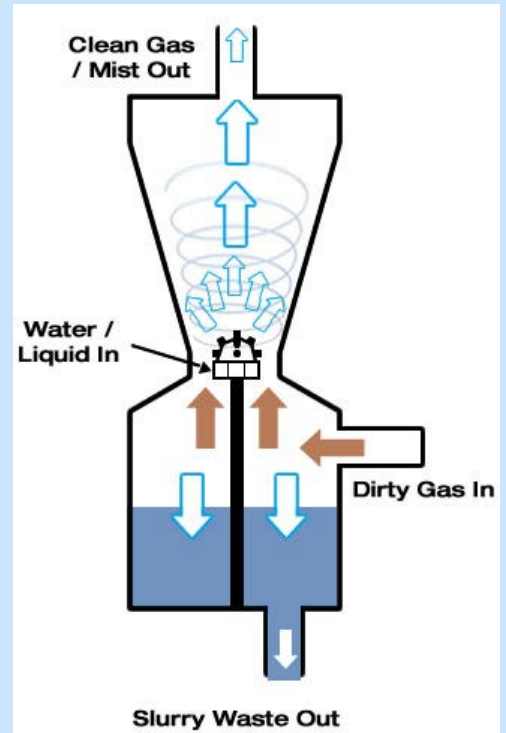


- Reduces overall emissions levels
- Cool-touch outer cladding
- Minimal power consumption
- Continuous operation
- Minimal maintenance
- Self-contained design
- Can be used on mobile incinerators
- Heavy duty steel framework
- Can be containerized upon request



▶ How Does a Venturi work?

The VGS filters the flue gases exiting from the secondary chamber of the incinerator by utilizing pressurized liquid to clean the flue gases, as the gases enter the Venturi chamber they converge with a high-pressure misting device which dispenses the liquid subsequently cooling the flue gases and neutralizing acid gases such as HCl and SO₂.



The VGS acts as a wet scrubber combined with a high-powered I.D. fan to ensure continuous a continuous flow through the Venturi chamber and exiting the flue gases to atmosphere.

The liquid enters and exits through specially designed valves on the Venturi chamber.

Technical Specification

Housing:	3850mm x 1045mm x 2050mm	Liquid Type: Continuous water supply with the option of alkaline, carbon or lime dosing depending on the waste type
Venturi Chamber:	Height: 2200mm Dia: 1220mm	
Chamber Material:	Stainless steel	
ID Fan power rating:	15kW	
Voltage: / Power Consumption:	3-phase 400V* 50/60Hz	
Water inlet:	1" BSP	
Water discharge:	3" outlet (heavy duty ball valve)	
Misting pump:	4.3 ltrs per minute @ 70 PSI	
Misting ball:	Stainless steel - 15 micro nozzles	
Liquid feed requirement:	Water mains connection	

▶ Compatible with:

This venturi scrubber is suitable for the following models of incinerator:

iI8-200 / I8-250 / I8-700 / I8-1000

Please speak to our sales team if you have any specific gases that concern you.



For additional information, or to speak to one of our expert team:

Call
+44 (0) 1704 884020

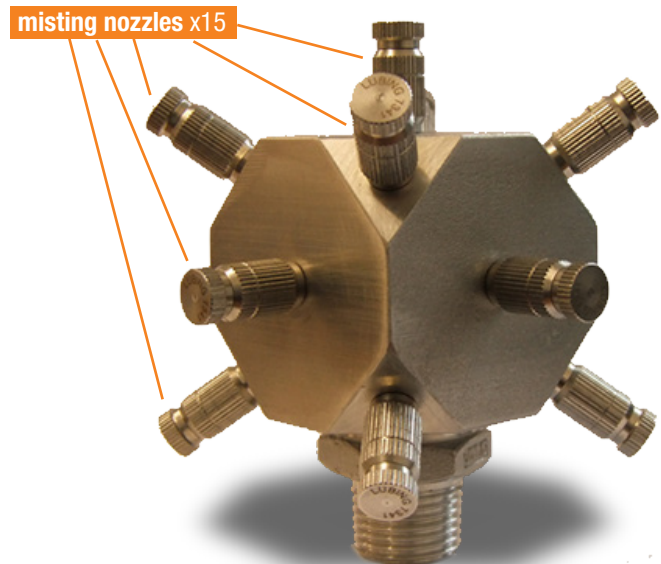
Email
sales@inciner8.com



What makes this Venturi so special?

Through a combination of R&D and CFD modelling we have enhanced our venturi to incorporate a new **misting spray head** that has been optimally designed to cope with the demands of operating continuously within the waste sector. 15 nozzles are configured to ensure that the liquid is sprayed 360° around the chamber.

The atomized liquid provides an enormous number of tiny droplets for the dust particles to impact on. These liquid droplets incorporating the particles must be removed from the scrubber outlet stream.



Optional Containerised Solution

Added Security, Longevity and Safety

Most combinations of incinerator and venturi can be installed into containers. Our larger models can also be skid-mounted.

Containerisation not only protects the equipment from the elements, it adds an additional level of security by preventing any unauthorised access. Keeping your equipment secure also reduces the risk of anyone hurting themselves through misuse of the machine.



All containers supplied are ISO 6346 certified, so they can be used for the shipping and housing of incinerators and any other related equipment.

- Standard shipping containers
- 100% pre-installed incinerator
- Interior light
- Standard fuel and power connections
- Design to fit standard truck trailers
- Optional electrical power generator
- Heat recovery option
- Easy to move/transport system



For additional information, or to speak to one of our expert team:

Call
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Email
sales@inciner8.com

INCINER8
www.inciner8.com

INCINER8 Ltd is one of the largest suppliers of incinerators throughout the world. Manufacturing in a factory in Southport and shipping out products all over the planet through our dedicated sales team & Global Dealership Network.

An experienced team of researchers, designers and engineers have made INCINER8 an innovator in the waste incinerator sector, achieving two Queens Awards and many regional business awards. Our hand engineered machines can process municipal, medical and animal waste streams, providing the best solutions to waste problems around the world.



Sales / Head Office

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2 Canning Rd Industrial Estate
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Merseyside
PR9 7SN

Phone: +44 (0) 1704 884020
Email: enquiries@inciner8.com

Dealerships

If you would like to become part of our dealership network, please get in touch:

Phone: +44 (0) 1704 884020
Email: dealers@inciner8.com

Technical Support

We have a wealth of information regarding our machines, waste disposal best practice and waste composition on our website.

Phone: +44 (0) 1704 884020
Email: techsupport@inciner8.com

