

# WASTE INCINERATION



## ■ DISCONTINUOUS ROTARY KILNS

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	ROT-300	ROT-600	ROT-1000	ROT-1500	ROT-2500
Incineration capacity (kg/h)	50-90	85-125	125-200	200-300	300-450
Load capacity (kg)	200	300	500	800	1400
Chamber volume (m3)	2	2.5	4.6	7	12

## ■ CONTINUOUS ROTARY KILNS

Designed and manufactured for the destruction of large quantities of industrial, hospital and animal wastes.

- Maximum robustness and high thermal performance
- Continuous operation
- Loading system adapted for each application
- Automatic ash extraction
- Variable rotation speed



	KR-4200	KR-5400	KR-11500
Incineration capacity (kg/h)	750-1500	1000-2500	2500-3500
Load capacity (kg)	Continuous loading	Continuous loading	Continuous loading
Chamber volume (m <sup>3</sup> )	28	40	72



■ THERMAL WASTE DESTRUCTION

Kalfrisa, with more than 30 years of experience, designs and builds incinerators for the destruction of all types of waste, in conditions of maximum hygiene and in compliance with current environmental regulations.

STATIC INCINERATORS

Incinerators designed and manufactured for the thermal destruction of animal remains, hospital and industrial waste. Quick, easy and safe.



	KT-1500	KT-4000	KT-8000	KT-12000
Incineration capacity (kg/h)	50-100	100-200	200-350	325-650
Load capacity.	250	600	1200	18000
Chamber volume (m³)	1.5	4	8	12

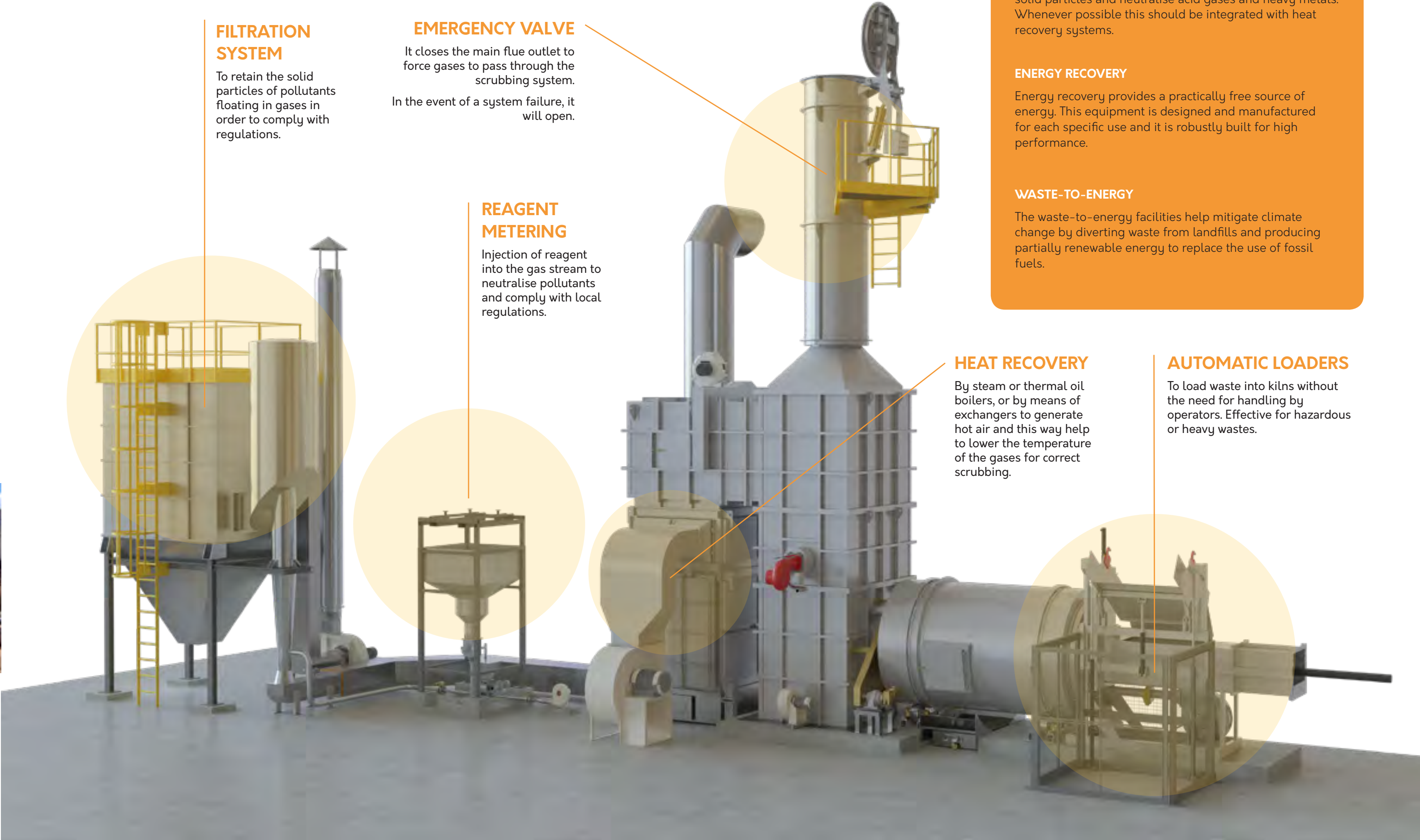
STATIC INCINERATORS FOR LIQUID WASTE DESTRUCTION

Designed and manufactured for the thermal destruction of liquid waste (oils, solvents, etc...). Infeed of waste by means of injection lance or special pumps.



	KL-5000	KL-10000	KL-15000
Liquid flow (L/h)	1000	2000	3500
Total gas volume (Nm³/h)	5000	10000	15000
Chamber volume (m³)	15	26,5	37

■ INCINERATION FACILITIES



FILTRATION SYSTEM

To retain the solid particles of pollutants floating in gases in order to comply with regulations.

EMERGENCY VALVE

It closes the main flue outlet to force gases to pass through the scrubbing system.  
In the event of a system failure, it will open.

REAGENT METERING

Injection of reagent into the gas stream to neutralise pollutants and comply with local regulations.

FLUE GAS SCRUBBING

Increasingly stringent environmental legislation requires that these installations also include flue gas scrubbing systems following the incineration phase, to eliminate solid particles and neutralise acid gases and heavy metals. Whenever possible this should be integrated with heat recovery systems.

ENERGY RECOVERY

Energy recovery provides a practically free source of energy. This equipment is designed and manufactured for each specific use and it is robustly built for high performance.

WASTE-TO-ENERGY

The waste-to-energy facilities help mitigate climate change by diverting waste from landfills and producing partially renewable energy to replace the use of fossil fuels.

HEAT RECOVERY

By steam or thermal oil boilers, or by means of exchangers to generate hot air and this way help to lower the temperature of the gases for correct scrubbing.

AUTOMATIC LOADERS

To load waste into kilns without the need for handling by operators. Effective for hazardous or heavy wastes.



# KALFRISA

## 360°

### EXPERIENCE KNOWLEDGE IMPLICATION

**The knowledge and expertise we have acquired over more than 50 years of experience working** with waste recovery equipment means that we offer our customers reliable, cost-effective solutions.

Our equipment is approved, authorised and certified to EC standards. Furthermore, for its ongoing commitment to innovation Kalfrisa has received the INNOVATIVE SME award from the Spanish Ministry of Science and Innovation.

Providing a 360° service is the key to competing for European market leadership. KALFRISA has its own proprietary technologies, and it designs, develops, manufactures, commissions and provides technical after-sales service for its equipment. Experience, expertise, and involvement are the three pillars on which we base our activities.

Kalfrisa guarantees an optimal match of its equipment to customers' requirements, adapting its designs to meet the different technical specifications of each project. Kalfrisa's commitment to excellence is underpinned by ISO 9001:2015 quality certification as well as the implementation of a work philosophy based on external and internal quality standards.



#### GUARANTEE FOR A BETTER PERFORMANCE OF YOUR FACILITIES

##### ■ TECHNICAL ASSISTANCE AND REPAIR

Maximum expertise and certified procedures. The professionals who have designed and manufactured your equipment are there to support you, with the guarantee of highly trained, qualified technicians.

Only original spare parts are used.

Swift remote response to any incidents.

Fault/malfunction reporting with rapid diagnosis and on-call telephone service 365 days.

##### ■ PREVENTIVE MAINTENANCE CONTRACT

Scheduled en-route visit protocols throughout the whole territory, periodic inspections to ensure functional continuity, check-up visits and priority attention to reports of faults/malfunctions, allowing swift diagnosis.

##### ■ WE ARE CONNECTED

Which means we have real-time information on the operation of your facilities which is crucial for preventive measures or for immediate intervention with the assessment and aid of our experts.

#### INDUSTRIAL ASSEMBLY AND INSTALLATION

Our engineering department analyses the requirements of each Project to tailor and dimension the correct solution exclusively for each individual customer.

We carry out the assembly, installation and other works required to ensure that the machinery is up and running in optimum conditions.

Our team can provide preventive maintenance of facilities and regular servicing to ensure maximum performance.



**KALFRISA**

PoL Ind. Malpica, calle D, número 65, 50016, Zaragoza (Spain) | tel. 976 470940 | fax. 976 471 595 | info@kalfrisa.com | www.kalfrisa.com