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Industrial Lubrication



Vehicle Lubrication Systems



Spray Lubrication Systems



Lubrication Systems for the Packaging
and Filling Industry



Lubrication Systems for Wind Converters



Environmental Technology



Control and Monitoring Electronics



Telemetric Systems

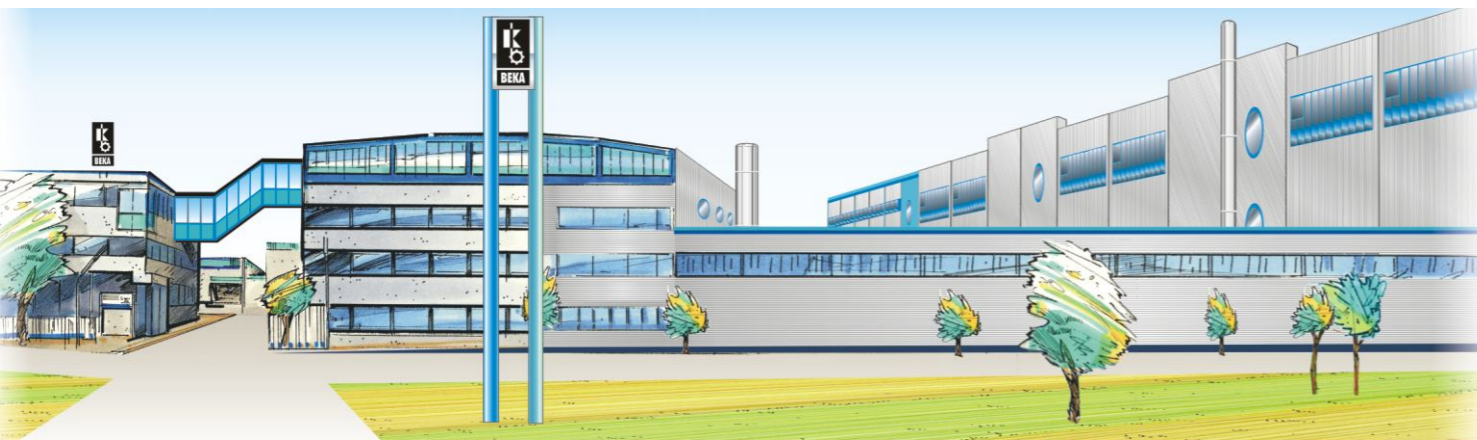
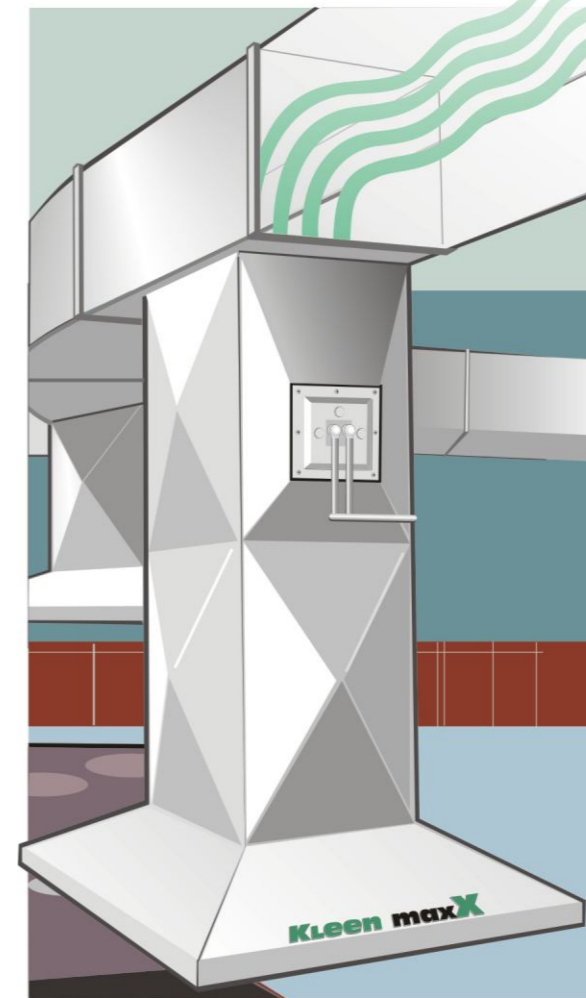


Machines, Plants, Tools



Kleen maxX HP 1000

The exhaust air system for kitchens and restaurants



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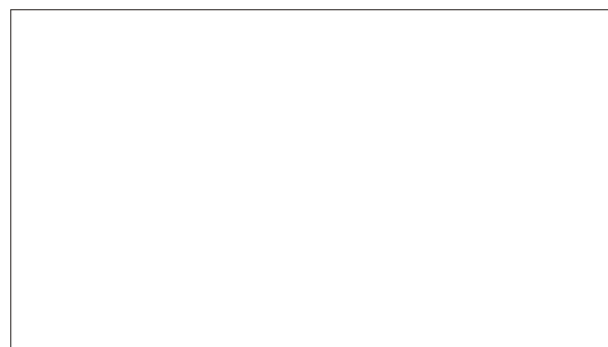
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Estonia	Luxemburg	Sweden
Finland	Malaysia	Switzerland
Great Britain	New Zealand	and others
Greece	Norway	
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- No fat sediments within the exhaust air system
- Effective fire protection
- Reduction of unpleasant exhaust air odors
- Improvement of the sanitary standard
- Drastic reduction of the maintenance costs
- No longer manual cleaning service

Fatty exhaust air puts a strain on the neighborhood...

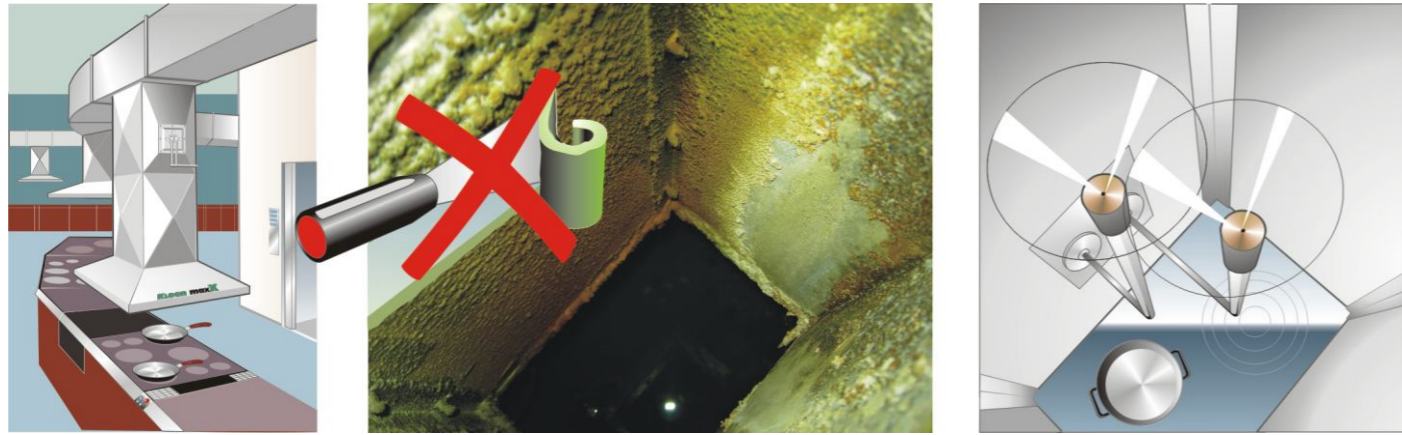
...as particularly known to them, who live nearby a restaurant, a fastfood restaurant or a canteen kitchen.

Many delicious meals produce off odors during their preparation. Especially the fatty exhaust air of fryers burdens the surroundings and can be the reason for problems in the neighborhood. In addition to that, the fatty sediments in the exhaust air system cause an unusually high cleaning effort and mean a permanent fire hazard.

Things do not have to come that far!

The **Kleen maxX** exhaust air decontamination system HP 1000 is the innovative complete solution concerning exhaust air treatment and odor control in the F&B sector.

The combination of fully developed system engineering and application-specific spray medium assures the customer a fast and effective odor reduction and a lasting purification of exhaust air systems. Even already existing soiling will be reduced lastingly.



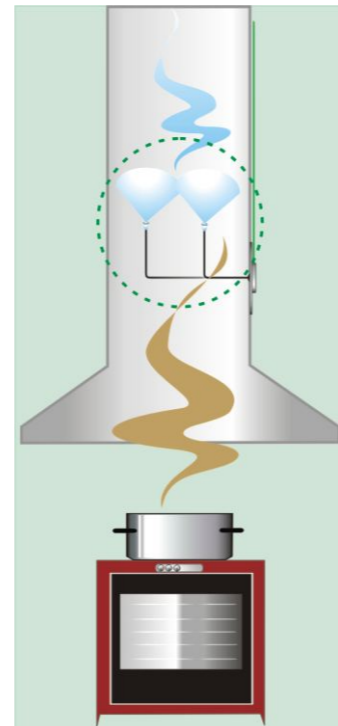
Unlike conventional cleaning methods - e.g. with a hand scraper, with dry ice or brushes - the **Kleen maxX** system takes effect directly at the place of action and during the preparation process.

Thus soiling and sediments cannot develop at all!

Even already existing tubes become clean again due to the enzymatic effect and offer then all advantages of a system, which has been treated from the initial start-up on.

The advantages of **Kleen maxX**:

- Automatic exhaust duct treatment during operation
- Reduction of the grease fire hazard
- Efficient odor control
- Permanent purification prevents sediments
- No interruption of operation for cleaning purposes
- Reaches all points of the exhaust duct system
- No condensate formation
- No complex cleaning methods
- Increase of the sanitary standards
- Perfect for new systems
- Very well suitable for retrofitting



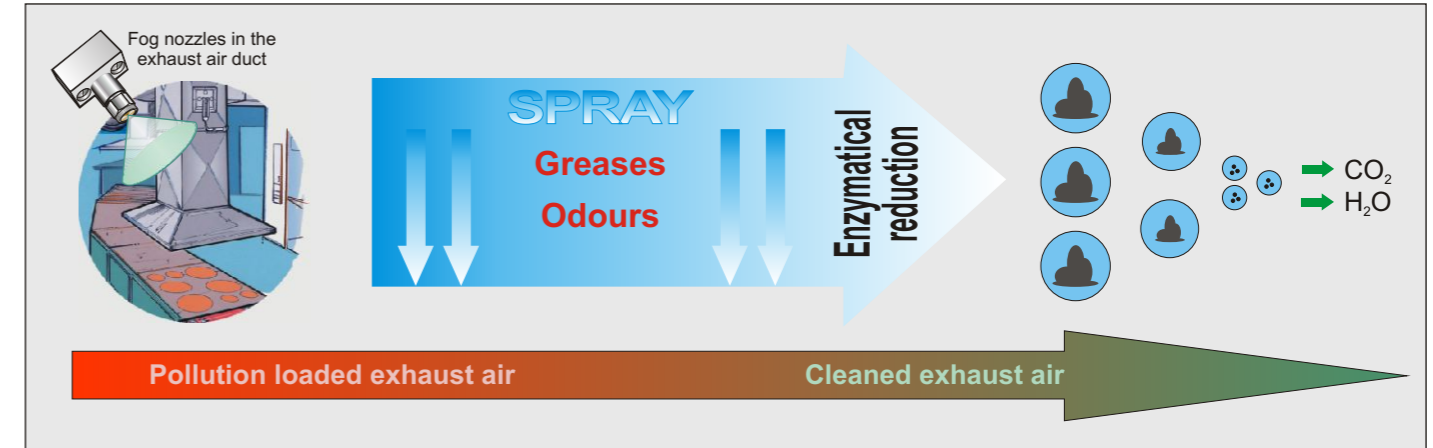
Procedure

Nature as a role model - fog cleans the air

Kleen maxX makes use of this principle. Harmful and unpleasant smelling ingredients of exhaust air as well as grease particles are reliably decomposed by the **Kleen maxX** procedure.

The effect of the **Kleen maxX** spray media is based on a complex combination of chemical and bio-physical reactions. Bacteria, which are contained in the spray medium, generate enzymes, when they meet grease particles, to decompose grease and odors.

The grease particles cannot deposit in the exhaust air ducts.



The application-specific combined spray medium is directly led into the exhaust duct with a high-pressure pump and via a pipe system with special nozzles. Thus, a fog is generated, whose large surface creates perfect conditions for the reaction of the active substances.

Spray times and periods can be adjusted precisely and adopted to the individual requirements by the electronic control unit.

Working

BEKA **Kleen maxX** uses the high-pressure nozzle principle. A mixture of water and medium is sprayed into the exhaust air stream.

The necessary water for the operation of the system is provided by the drinking water supply and first flows through a water filter, which is in the pump station.

The water supply is monitored by a safety valve and can be interrupted in the case of a malfunction. Water and concentrate are mixed in the set proportioning by the mixing unit.

The level in the concentrate reservoir is monitored electronically. The mixture is supplied to the spray nozzles in the exhaust air system and sprayed.

The electronic control enables the adaption of the function parameters to the operation conditions of the exhaust air system.

