

PHOENIX

Clean exhaust air, safe for the environment.

No combustion. No chemicals.



HIGHLIGHTS

- ✓ Breaks down odours, solvents and pollutants in exhaust air
- ✓ Modular – for small and large air volumes
- ✓ Indoor and outdoor installation, small footprint
- ✓ Works at room temperature, no start-up phase

ADDED VALUE

Reliably meet regulatory requirements: PHOENIX combines photo-oxidation and catalytic oxidation – without thermal combustion, without chemicals and at **low operating costs**.

 **Modular design**

 **Indoor & outdoor**

 **Partial-load operation**

 **Low maintenance**

THE TECHNOLOGY · LIGHT INSTEAD OF FIRE

1

Pre-filtering

The aerosol filter retains particles, droplets and grease.

2

Photo-oxidation

UVC light destroys pollutant molecules and forms activated oxygen.

3

Catalyst

Activated oxygen decomposes the molecules; residual ozone is broken down.

4

Clean exhaust air

Low in odour, with no pollutants released into the environment.

Up to 90 %

odour reduction in exhaust air, without thermal combustion

8,000 h

UV lamp service life, low maintenance in continuous operation

100 %

personal support & service, Made in Germany



WHEREVER EXHAUST AIR IS POLLUTED

Kitchens & catering

Food processing

Meat & fish

Print shops

Paint shops

Chemical industry

Plastics & rubber

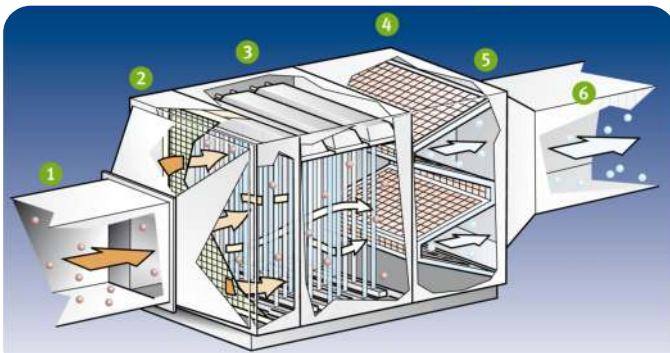
Metalworking

Further applications

8 BYPASS TECHNOLOGY

For hot exhaust gases from 45 to 250 °C: UVC light generates a reaction gas from fresh air, which is injected into the exhaust stream – existing chimneys serve as the reaction duct.

SYSTEM COMPONENTS



- 1 Polluted exhaust air
- 2 Aerosol filter
- 3 Photo-oxidation
- 4 Catalytic oxidation
- 5 Fan
- 6 Clean, low-odour air

TECHNICAL DATA

Process	Photo-oxidation + catalytic oxidation
Exhaust gas temperature	up to 45 °C · with bypass 45–250 °C
Air volume	Scalable & modular, tailor-made · from 500 m ³ /h, no upper limit
Maintenance	UV lamp replacement after 8,000 operating hours
Operation	Continuous, interval and partial-load operation · indoor & outdoor

● Since 1978

● Made in Germany

● Planning to service from a single source

