

Expertise for a Clean Environment

**Environmental Technology
Disposal & Recycling**

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Quality is our passion

As an owner-managed family business from one of the most significant engineering regions in Germany, we manufacture radial fans for every conceivable industrial application. We have made it our business to develop products that perfectly address the needs of specific sectors and set new standards in terms of availability and energy efficiency.

As a globally positioned corporation, we support our customers in every economic region of the world with engineering made in Germany, uniform product quality and comprehensive services.

Extensive certifications ranging from DIN EN ISO 9001:2015, valid for each of our production locations, to DIN EN ISO 3834-2 for welding technology and many more are clear proof of this.

Sustainability and our corporate social responsibility (CSR) are of enormous importance to us, and we endeavour to do justice to these benchmarks in every area of our company and, of course, far beyond.

Since 2019, we have drawn on the support of EcoVadis, the globally active CSR platform, in this respect. Indeed, EcoVadis awarded us its silver medal last year. This approach has enabled us to continually expand our sustainability and ensure it is part of every business decision.



At home in plants all over the world: Reitz reliability

Reitz industrial fans are used in a variety of designs and dimensions in all sectors with process engineering applications. Whether in major power plants, waste incineration plants, steel or cement works, trust placed in Reitz fans is reflected all over the world.

With unique diversity, a high level of availability, long service life and stable quality, Reitz has impressed discerning plant manufacturers, planners and manufacturers for decades. The modular design of these fans ensures a maximum degree of configuration freedom and planning security on very attractive terms.

Expertise for a clean environment

Fans for environmental technology have been a focus of the Reitz delivery and manufacturing programme since the company was established. This means that we can draw on a high level of expertise to address every process engineering requirement.

In applications ranging from exhaust gas cleaning and dust reduction to diverse drying and combustion processes, the product range offers a broad spectrum of fan designs, ventilation plant size classes and specific design variants.

We are familiar with the design provisions that guarantee safe, reliable operation of fans in these areas. In addition to providing environmental technology solutions in the broadest sense, we also place a particular emphasis on being a reliable partner when it comes to meeting all requirements governing the safety of critical process gases in every area of industry.





Along with standard solutions in the extensive basic programme, Reitz also offers a broad spectrum of specific special solutions developed in close consultation with our customers that embody a high level of technical and economic benefit. Continuous expansion of our product range mean there are no limits when it comes to fulfilling the demands of our more than 500 customers in this sector. Of particular note in this respect is the efficient design of fan systems with regard to energy consumption, reliability, space requirements and ease of maintenance.

The same applies to the area of waste and sewage disposal which is not only growing in significance in Europe. Reitz fans are also used in diverse recycling processes in which a sturdy design is particularly important.

One important component of our service is the provision of targeted advice to our customers regarding the optimising of new and existing plants and preventive maintenance. Comprehensive expertise in the upgrading and renewal of fans and plant components has been part of our core competence for many years.

The perfect solution for every application

Turbo machinery plays a central role in practically every industrial production process. The performance, efficiency and reliability of Reitz fans ensure their place at the heart of ventilation technology in the most productive contemporary process plants. One characteristic in particular defines the areas in which they are used: diversity.



Exhaust gas & exhaust air cleaning

Production processes create exhaust gases and fumes that, if not cleaned, can pollute the environment. These exhaust components need to be removed from exhaust air before process air is released into the atmosphere to protect the environment and meet increasingly stricter legal requirements. This ensures the particular significance of dedusting and ventilation technology.

Fans for applications including

- electrostatic filters (e-filters)
- fabric filters
- catalytic afterburning
- thermal oxidisers and regenerative thermal oxidisers
- cyclonic separators
- classifiers
- wet scrubbers
- scrubbers
- pneumatic conveyor systems



Production or sorted waste harbours extensive potential in terms of material if it is appropriately recycled.

Materials separated into individual components enable secondary raw materials to be obtained, and these can then be reused in the manufacturing process.

Recycling & waste treatment

Waste disposal is regarded as one of the most significant environmental problems of the 21st century. Growth in the global population and increasing consumption associated with this mean that the optimum use of our resources, the reduction of waste, ensuring high-quality recycling and exploiting residual waste and sewage for efficient and clean energy generation are urgent necessities.

Fans for applications including

- waste treatment
- exhaust air systems in sewage plants
- conveyor systems
- air preheaters
- edge strip suctioning systems
- flue gas cleaning
- shredder systems
- screening and sorting plants
- combustion processes:
 - primary and secondary air systems
 - combustion air systems
 - cooling air systems
- heat recovery systems

Diverse product range

As a supplier of industrial fans for our customers' complete plant spectrum, Reitz can provide numerous construction types, design variants and equipment options.

Each fan is individually designed to suit your specific requirements and equipped with all the options required for reliable and flawless operation.



Performance parameters

		KBA		KBE		KBZ		KXA	
		min.	max.	min.	max.	min.	max.	min.	max.
Δpt	daPa	500	3.550	250	3.550	315	3.550	500	3.550
V	m³/min	800	20.000	800	20.000	800	37.000	500	8.000
n	U/min	1.000	1.800	1.000	1.800	1.000	1.800	1.000	3.600
P_{Mot}	kW	132	5.000	132	5.000	132	10.000	55	1.500
t	°C	-50	+500	-50	+500	-50	+500	-50	+500

Additional design variants

ATEX	✓	✓	✓	✓
Wear protection	✓	✓	✓	✓
Corrosion protection	✓	✓	✓	✓
Pressure shock proof	✓	✓	✓	✓
Liquid-tight Dustproof	✓	✓	✓	✓
Gasproof	✓	✓	✓	✓
Hygienic design	✓	✓	✓	✓

Reitz service: Always working for you

The demands made of our fans differ from plant to plant, meaning specific expertise is required for each application area. At Reitz, you are talking to **specialists who are familiar with the special aspects of your sector**, because your details make all the difference.

We are, of course, immediately there to help when problems arise, but service for us is much more than tackling emergencies, maintenance of the fan or the provision of spare parts. For us, service is a **holistic range of services at every phase of a project**.

Service in all phases

Sales phase

Optimum planning and smooth implementation right up to a successful start.

Utilisation phase

A high degree of availability, predictable expenses and reliable output.

Value retention

Contemporary extension of service life.



Your challenges



Revenue

Efficient operation of plant and equipment



Legal

Meeting all statutory requirements in terms of operator responsibility
- Ordinance on Industrial Safety and Health, hazard analysis and ATEX directive



Process

Meeting qualitative requirements with limited resources
- Individual maintenance concept



Environment

Equal attention to economics and ecology
- Assuring productivity and energy efficiency



What do we contribute?

- Specific quality promises
- A guarantee
- Flexibility and speed
- Efficient solutions through comprehensive know-how
- Planning security
- Certified technicians
- Global partnership

Our service offer

Base

- Customer support
 - Reliable & uncomplicated
- Fault elimination
- Spare parts sales
- Repairs
 - Factory or on site
- Training

Maintenance

- Basic inspection
- In-depth inspections
 - Impeller, welds, bearings
- Maintenance and repair
- Measurements on fan
 - Vibration, noise, power
- Laser-optical drive train alignment



Consulting

- A firm maintenance offer for own systems and other manufacturers
- Strengthening and conversion
- Industrial and heavy installations in adjacent areas (e.g. flow control)
- Complete plant retrofits

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