

Munters mist
elimination

Cleaner air.
Optimized energy usage.

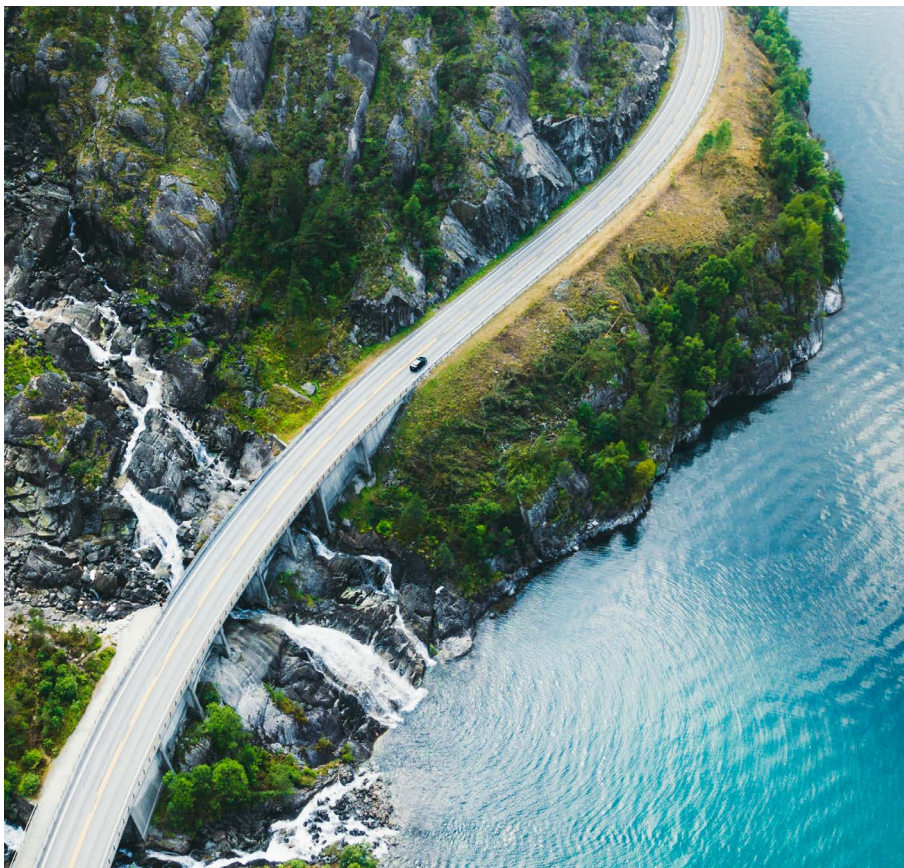


Munters mist elimination solutions for maximum performance

Improve process productivity, lower emissions and reduce your environmental footprint with mist elimination, a clean technology from Munters that helps deliver clean air to the world. Our mist eliminators help separate liquid droplets from gases. Power plants, marine, steel and many other process industries benefit from Munters expertise.

Munters solutions:

- Protect downstream processes and equipment
- Save energy in subsequent process stages
- Recover valuable products
- Achieve predictable, high efficiency performance under all specified liquid load cases
- Increase velocities using smaller apparatus diameters
- Reduce energy consumption



Clean technologies by Munters

With our vast knowledge in mist elimination, mass transfer, and VOC abatement, Munters has solutions that enhance process productivity, lower emissions, and bring us closer to achieving our zero environmental impact goal. Clean technologies by Munters deliver clean air to the world and help create a healthier planet.



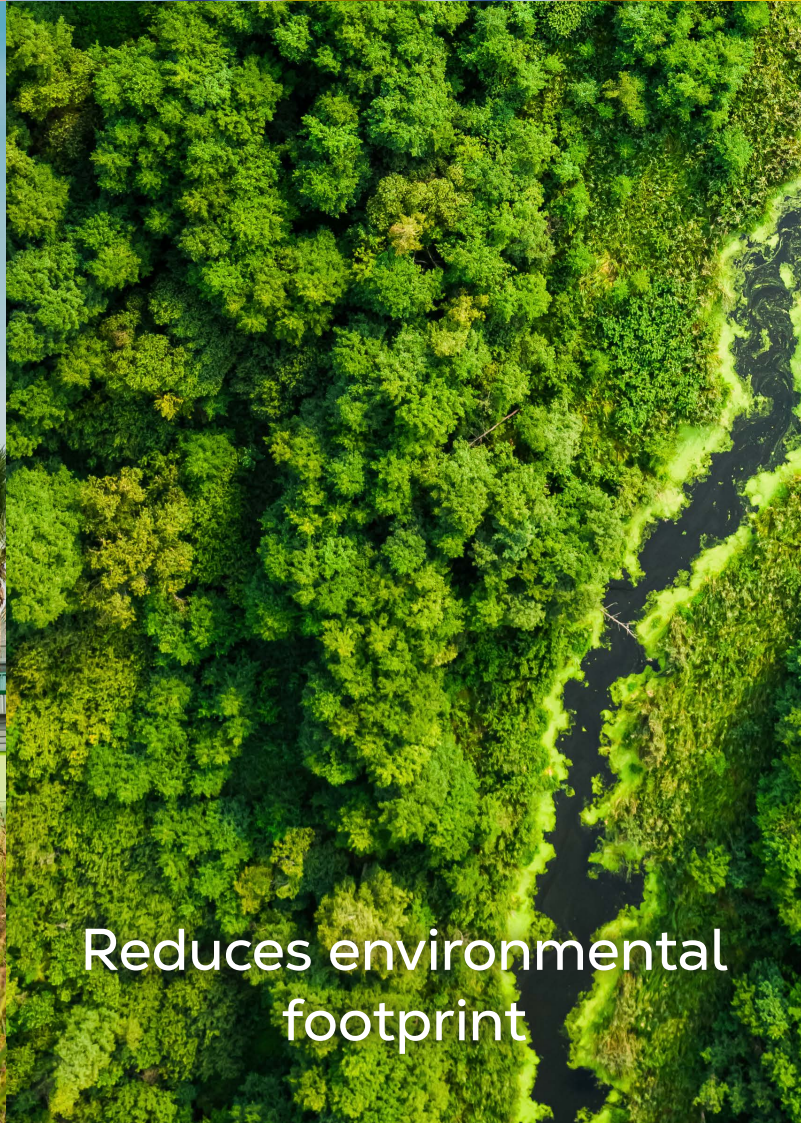
30 years of mist
elimination expertise



Improves process
productivity



Lowers emissions



Reduces environmental
footprint



Munters climate
control expertise



30 years in the mist elimination business

Mist eliminators get the job wherever droplets require separation from gas flow. But while the principle is simple, applying the technology is demanding. Backed by decades of knowledge and experience, Munters continues to pioneer mist elimination technology through close collaboration with customers across a broad range of process industries.

Munters expertise

As processes and conditions evolve, we continuously assess and develop mist eliminator profiles and evaluate installation design parameters using an extensive database and a robust design program. The results then undergo rigorous laboratory testing. Close attention to detail and R&D expertise have established Munters as pioneers in this technology.

Recover lost products and protect downstream equipment

Industrial processes frequently produce gaseous streams that carry mist. These liquid droplets can cause severe technical problems such as reduced process efficiency, physical damage to downstream components, and loss of product and process fluids.

Complete mist elimination solutions from Munters overcome the technical and environmental risks, securing excellent process results. Our expertise includes equipment design, flow studies, separation performance guarantees, equipment delivery and installation supervision.

Save with efficient mist elimination

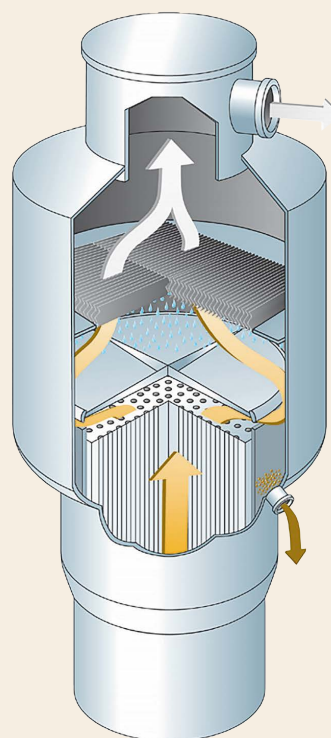
Efficient mist elimination saves time, money and energy through product recovery, enhanced process efficiency and reduced equipment wear and tear.

Efficiency is key to success. Matching the mist eliminator profile and configuration to the precise characteristics of the gas flow is vital. It requires an in-depth understanding of the process and the physics of mist elimination itself.



What is a mist eliminator?

A mist eliminator is made of profiles (vanes), accommodated inside panel systems that divert the gas flow and cause liquid droplets to impact with the vane surface. These droplets collide on the vane surface, and they finally form a liquid layer. This layer drains back down because of the force of gravity.



Traditional mist elimination applications

In many industrial processes efficient mist elimination, designed specifically for the job at hand, will save money through product recovery, enhanced process efficiency and reduced wear and damage to equipment.

Munters Helix

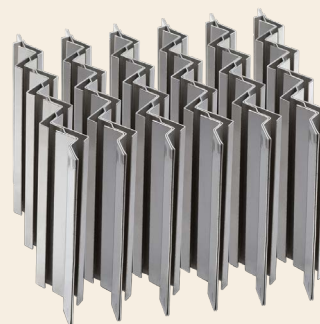
Stack rain is a common problem for power plants and chemical industries and occurs when droplets of water are pushed out of the chimney. These droplets are dirty and can contain harmful chemicals, and if the stack rain is not handled in the right way it can cause real harm to the human beings and surrounding environment.

Munters Helix is the efficient, mechanical solution engineered to prevent stack rain and effectively clean exhaust gases in a reliable way. Also, as there are no moving parts it is easier to maintain and uses less power than chimneys with heat displacement system, which reduces your energy costs and limits your environmental impact, both locally and globally.

Munters UltraFlow

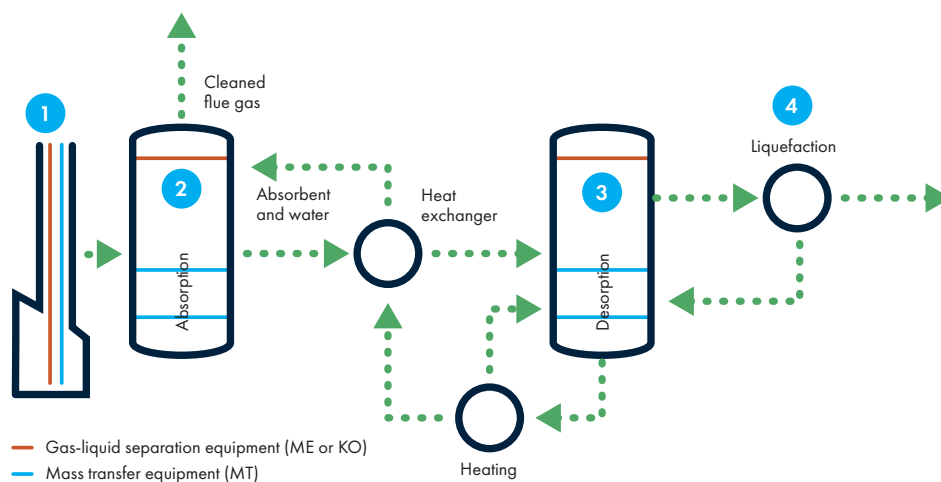
Scrubbers are essential for coal-fired power stations and the more efficiently they can operate, the better it is not only for profit margins, but for the planet as well. Mist elimination plays a crucial role in cost-efficient and sustainable operations.

Munters UltraFlow mist eliminator is around 20% more compact than traditional designs, while offering the same efficient operation as all Munters mist elimination products. The smaller size means that you consume up to 50% less water than the alternative options, which in turn means that 30% less pump capacity is needed.



Clean technologies by Munters

Clean technologies by Munters improve process productivity while reducing emissions and your carbon footprint. Munters supports cutting-edge green processes such as carbon capture and e-fuel production with critical mist elimination solutions. Together we can deliver clean air to the world.



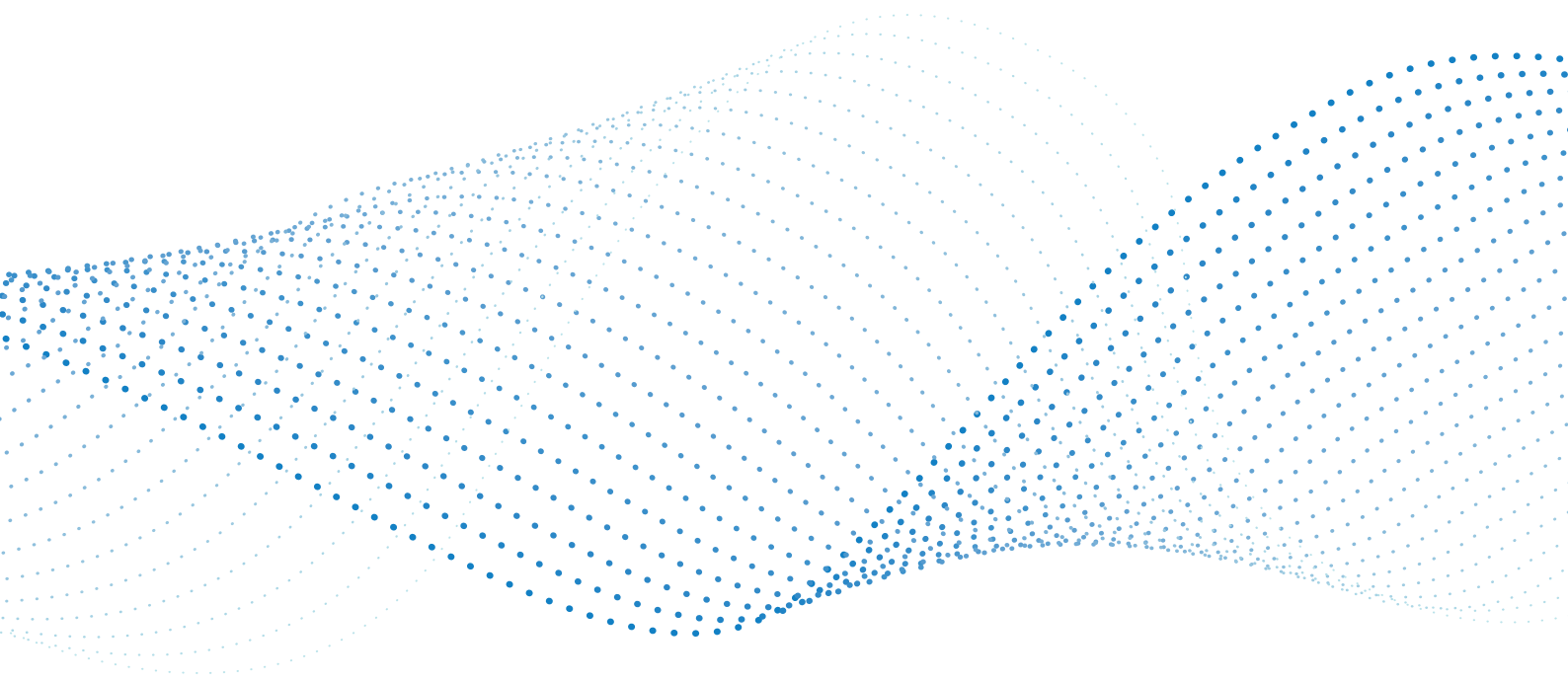
Carbon capture

Carbon capture limits carbon dioxide emissions into the atmosphere by safely capturing, using or storing carbon dioxide. This technology is crucial to reducing greenhouse gas emissions and mitigating climate change. By using mist elimination technology, industries can capture and utilize CO₂ while ensuring safe storage. With years of experience and expertise, Munters offers proven solutions for carbon capture projects.

E-fuel

Cutting-edge electrofuels or e-fuels produced from renewable energy sources like solar, wind, water, and captured carbon dioxide are carbon neutral. Munters mist elimination equipment is crucial to harvesting CO₂ and producing climate-friendly e-fuels compatible with conventional engines





Munters is a global leader in energy-efficient air treatment and climate solutions. Using innovative technologies, Munters creates the perfect climate for customers in a wide range of industries.

Munters has been defining the future of air treatment since 1955. Today, around 4,000 employees carry out manufacturing and sales in more than 30 countries.

For more information, please visit www.munters.com

Find your nearest Munters office at www.munters.com

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