

Munters mist
elimination

Cleaner air.
Optimized energy usage.

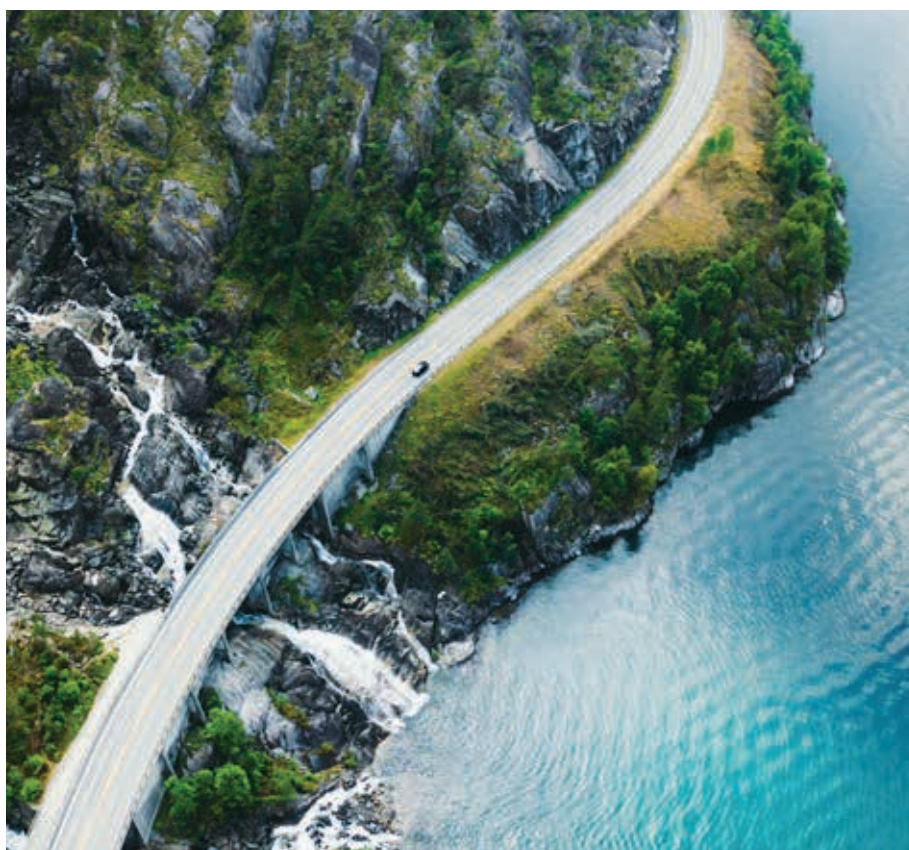


Munters mist elimination solutions for maximum performance

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

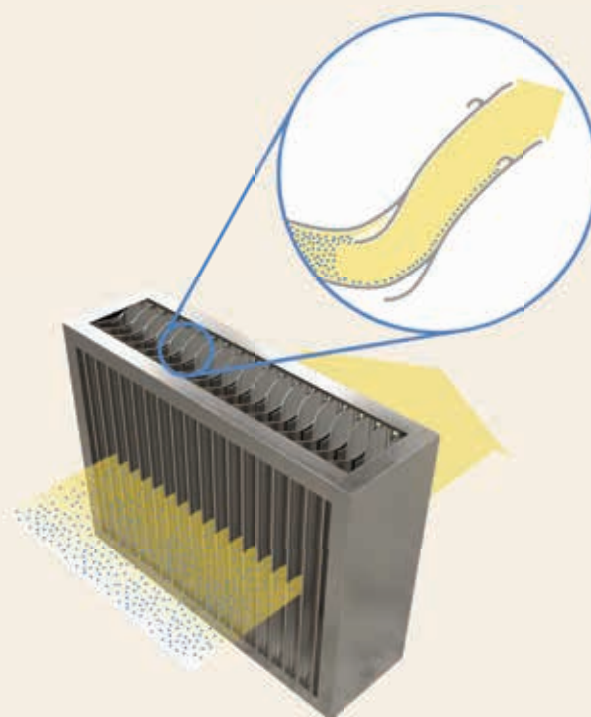
Efficient mist elimination saves time, money and energy through product recovery, enhanced process efficiency and reduced equipment wear and tear.

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.



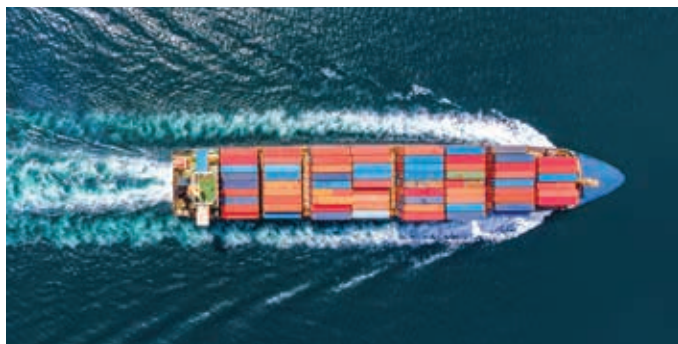
What is a mist eliminator?

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 industries

The marine, power, and process industries have a common need for highly effective mist elimination to recapture lost product and shield downstream equipment and processes from the adverse effects of droplets within the gas stream. Munters offers comprehensive solutions that not only mitigate technical and environmental risks but also ensure optimal process outcomes.



Marine

In the marine industry, Munters specializes in designing mist elimination solutions for various sectors, including marine air intake and exhaust gas cleaning applications such as cruise ships, mega yachts, offshore constructions, and polar-class vessels. Properly specified mist elimination solutions reduce corrosion, wet filter and mold and mildew risk. Mist elimination ensures smooth equipment operation and crew safety and comfort. Munters tailored mist elimination technologies ensure efficient operations and environmental compliance.



Power

Munters mist elimination solutions benefit the power industry, including both traditional coal-fired power plants and renewable energy sources such as wind turbines and waste-to-energy power facilities. Coal-fired power plants and waste-to-energy facilities use mist elimination equipment in their exhaust gas cleaning processes to prevent droplets in the exhaust of the scrubbed gasses. While wind turbine facilities can protect equipment from corrosion by separating droplets from intake air with mist eliminators, facilitating smooth and effective operation.

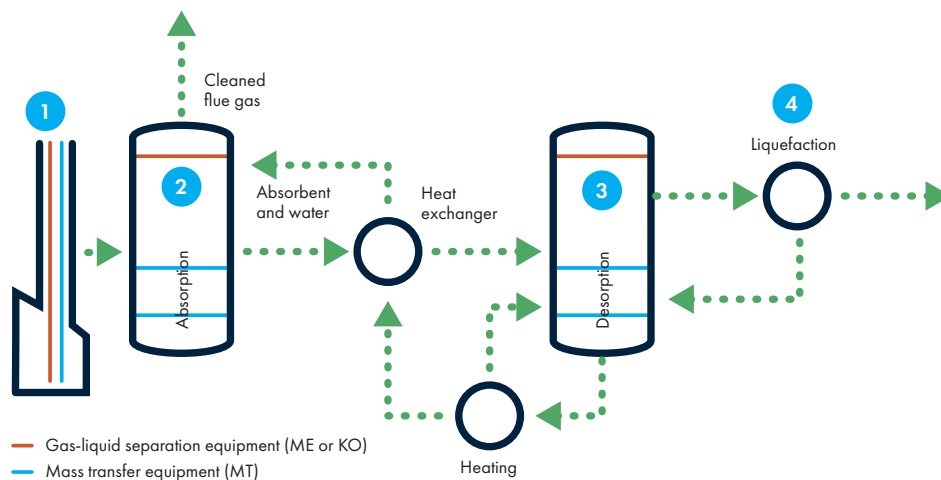


Process

In the process industry, Munters offers tailored mist elimination solutions, including horizontal flow and vertical flow equipment, designed to meet the unique demands of various sectors. Munters provides specialized equipment that recovers lost product and protects downstream equipment and processes from droplets in the process gas stream. Our engineering expertise ensures each mist elimination solution is optimized for each industry's specific requirements, contributing to improved operational efficiency and process reliability.

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.



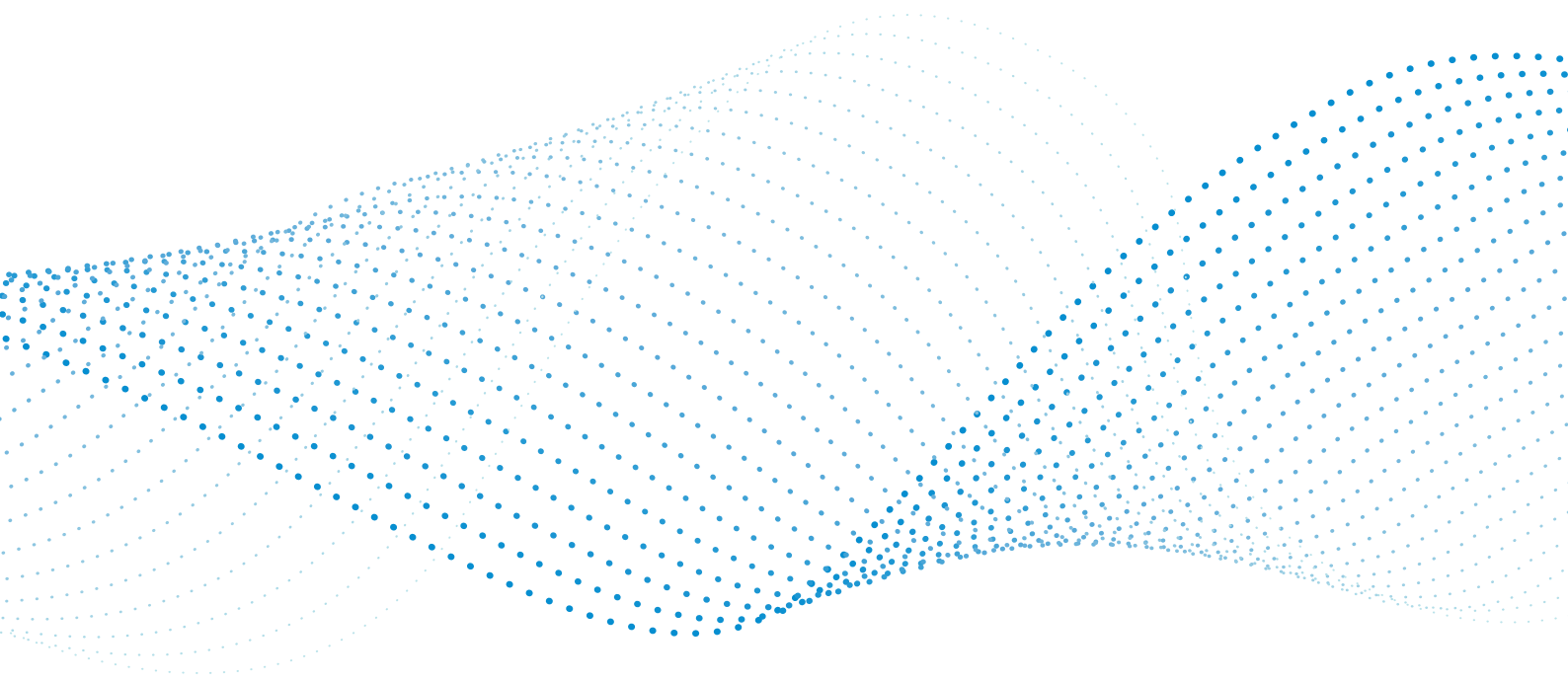
Carbon capture

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