



About Mourik

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Industrial Ultrasonic Cleaning



'Cleaning equipment with delicate precision'

Cleaning heavy industrial equipment requires creative and in many cases custom-engineered cleaning methods. Mourik Services B.V. has a wide variety of industrial cleaning methods and technologies. In addition to the traditional cleaning methods, Mourik Services offers cleaning with a patented ultrasonic cleaning technology.



A heat exchanger is about to be submerged in the container

Options

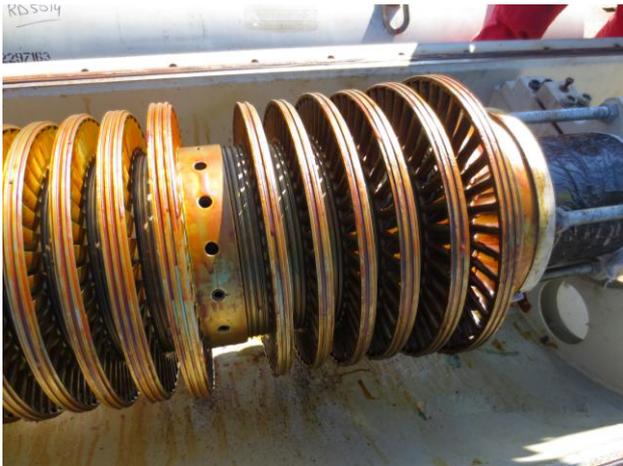
The cleaning method with ultrasonic technology can be applied to a great range of parts and equipment. For example, bundles/heat exchangers in all sizes, valves, covers, pumps, piping parts, filters, structured packing, demister pads, but also scaffolding material and other loose parts. The latter will be treated simultaneously in a large metal basket, which saves time.

How does it work?

The cleaning method uses patented ultrasonic technology. The equipment will be submerged in a container in a liquid composed for this purpose. In the container, transducers create sound waves, after which cavitation makes the contamination to come loose from the equipment. Water is required only for after-treatment, either for low-pressure rinsing or high-pressure jetting. Extremely contaminated equipment or blocked bundle tubes also require pre-treatment with high pressure water.

Going Strong

www.mourik.com



Turbine Rotor - before treatment



Turbine Rotor – after treatment

Contributes to reducing total cost of ownership

In summary, ultrasonic cleaning contributes significantly to improving operational efficiency and reducing total cost of ownership.

On request, Mourik Services has available extensive photo presentations, references and numbers that ground the benefits of ultrasonic technology.

Why opt for ultrasonic cleaning?

The high-quality cleaning contributes significantly to optimizing your maintenance and production process.

- **Safe** - limited manual actions and exposure of employees, no moving mechanical parts, less hoses, cables, etc. In summary, less risk to enter the 'line of fire' or to tripping.
- **Intensive** – thanks to submerging, places can be reached which are unable to reach by high pressure waterjets. This makes it easier to repair or overhaul
- **Cost Effective** – less use of water; reduced number of operators and less contaminated area around cleaning equipment.
- **Improved operational performance** – heat transfer and pressure drop towards original numbers which results in increased throughput/production capacity, less energy consumption and extended standing time.
- **Fast** – less dismantling of equipment and parts;
- **Consistent** – the result is not depending on a cleaning operator.
- **No material damage** – does not affect the material and prevents damage caused by water pressure. Increased re-use of delicate parts is possible.
- **Environmental friendlier** – less use of water and less waste water.
- **Efficiently** – possible to clean multiple parts simultaneously.

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