

Service & support: Always one step ahead

Biofilm forms within minutes in industrial piping, making continuous operation of the Ultrasonic Antifouling system crucial. Any power loss can lead to rapid fouling.

At Lamers System Care (LSC), we ensure flawless system performance. Using the LSC Portal we are able to continuously track power supply and transducer function, as well as change settings, troubleshoot and update the system from a distance. This approach helps prevent fouling and keep pipelines clear, ensuring optimal efficiency and reliability.

We offer our Lamers Monitoring Contract which includes:

- Proactive Monitoring – 24/7 Protection
- Sound Pressure Level Measurements
- Endoscope Imaging
- Instant Alerts (via portal, SMS, call, or email) in case of failure

By detecting and resolving issues before they cause problems, we help keep your plant running at peak efficiency, without the worry of unexpected fouling or scaling.

*Proactive monitoring
prevents issues and saves
us time and money.*



About Lamers System Care B.V.

At LSC, we are committed to providing smart and sustainable solutions that reduce both operational costs and environmental impact. As trusted advisors and system integrators, we offer customized antifouling technology for the industrial, maritime, and agricultural sectors. Our transparent approach, cutting-edge technology and a focus on customer success positions us as the preferred partner for innovative industries providing solutions on request.

We work closely together with companies to reach new heights in our aim to achieve more sustainable business operations.

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**A sound solution for
fouling & scaling prevention**
for the industry





The Challenge: Scaling & biofouling disrupt your operations

Scaling and biofouling threaten industrial process water and seawater systems, causing inefficiency, downtime, and high maintenance costs.

Beyond performance losses, Microbially Induced Corrosion (MIC) silently damages equipment, leading to costly repairs.

With stricter regulations and a push for sustainability, industries need a long-term, chemical-free fouling solution.

Introducing **SmartFlow** - it works best with:

- > **Plate heat exchangers**
- > **Pipework & pumps**
- > **Pipe heat exchangers**
- > **Strainers & valves**

The Solution: Smart Flow Ultrasonic Antifouling

Smart Flow prevents fouling and scaling at the source using advanced ultrasonic technology. The system emits controlled high-frequency pulses through the material of pipes and equipment, creating microscopic vibrations that disrupt biofilm and scaling formation before they take hold.

- **Fouling Prevention** – Prevents biofilm, making it harder for growth to attach.
- **Scaling Prevention** – Disrupts mineral buildup, keeping pipes clear for optimal flow and efficiency.

Key features

- Longer maintenance intervals - More production, less downtime, lower costs
- Eco-friendly antifouling - Prevents scaling and fouling without toxic biocides
- Less wear & tear - Clean surfaces reduce vibration and equipment wear
- Easy installation - No material penetration, minimal maintenance
- Energy-efficient - Only <50W for the system
- Prevents MIC - Protects against Microbially Induced Corrosion
- ATEX-compliant - Available on request

SF1 - SF4



SF5 - SF12



Transducer



Technical specifications

Model	SF1 - SF4	SF5 - SF12
Voltage	AC 110-240V 50/60Hz	AC 110-240V 50/60Hz
Average power	< 30 Watts	< 50 Watts
Dimensions	401 x 250 x 120 mm	401 x 406 x 120 mm
Weight control unit	4 kg	10 kg
Weight transducer	0.5 kg	0.5 kg
Transducers	1 - 4 pcs	5 - 12 pcs
Control unit rating	IP66	IP66
Transducer rating	IP67	IP67
Warranty	2 years	2 years

Results

