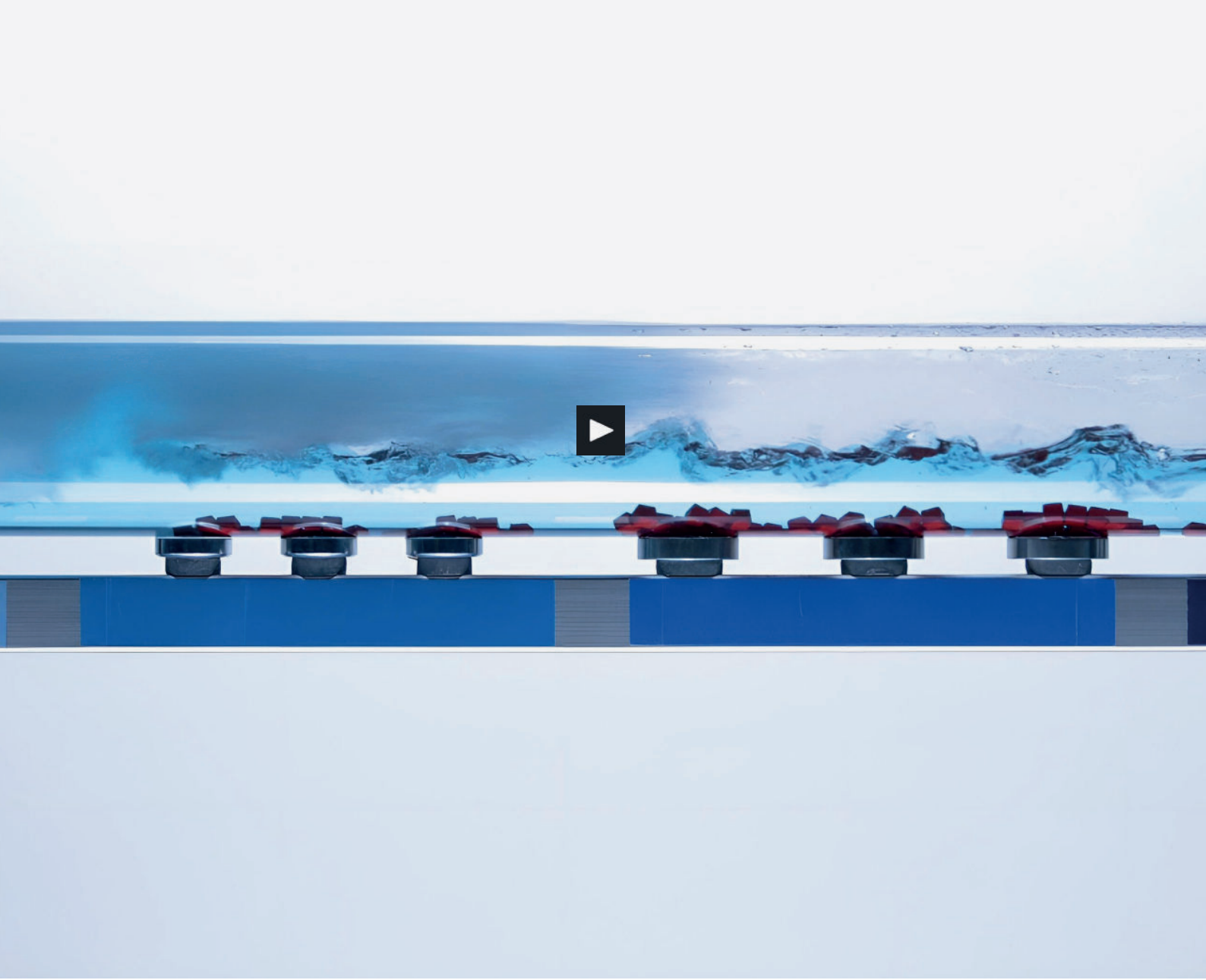
comprex

SCU - Stationary comprex® Unit



Impulses that inspire.

We offer a cost-saving and sustainable alternative for cleaning a wide variety of piping systems.

The comprex® process operates through a mechanical approach, harnessing pulsed compressed air and a minimal water usage.

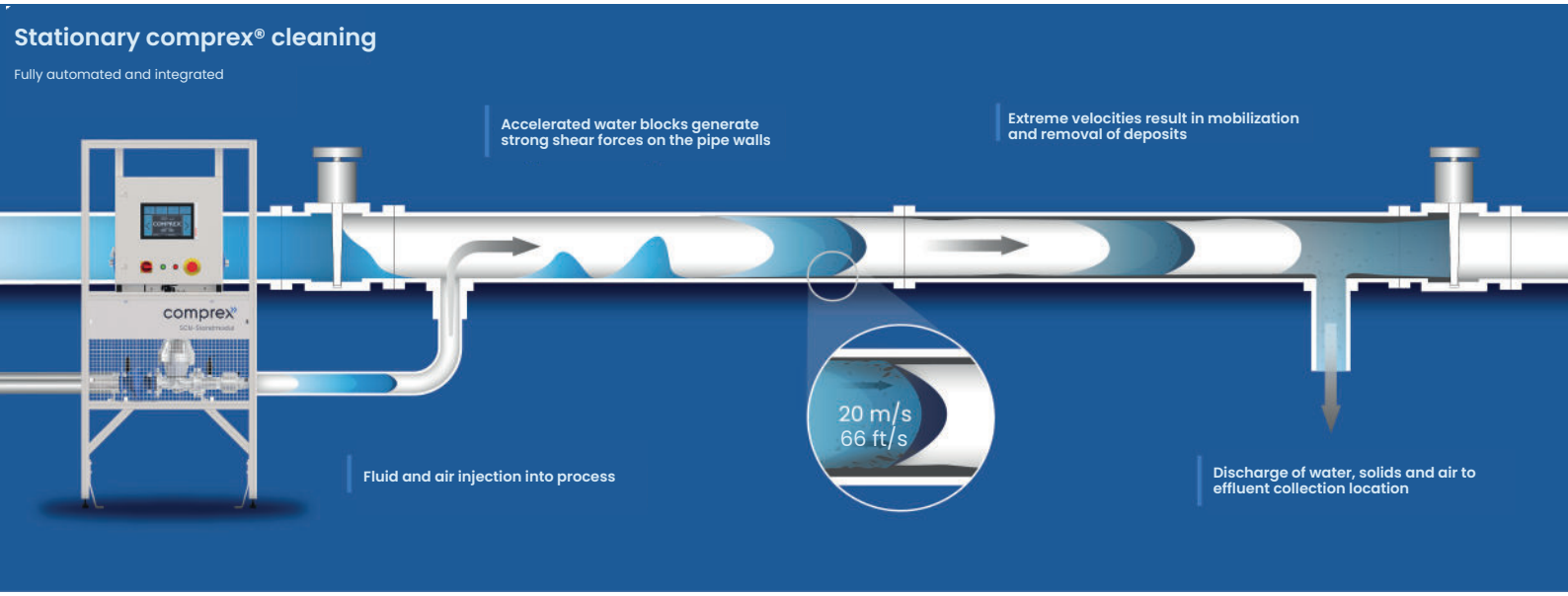
Whether it's loose sediments, recently deposited dirt, tenacious germs like legionella, or strongly adhering grime, our innovative approach ensures a thorough cleaning process.

Experience the impressive cleaning effect of our patented comprex® cleaning process in our video.


comprex
Patented cleaning technology
www.comprex.de

Impulses that inspire

Integration of SCU



01 The problem

Conventional cleaning methods rely on flow velocities to achieve the needed shear forces and/or the use of chemicals to remove deposits from the surface of piplines and piping components.

02 The consequence

The piping system's geometry severely limits the attainment of necessary flow velocities, leading to prolonged flushing times. Consequently, there's a substantial increase in water usage, extended downtimes, and elevated expenses for effluent treatment. Additionally, the excessive use of chemicals exacerbate these challenges while yielding subpar results.

03 The solution

The comprex® technology accelerates water slugs to a maximum flow velocity of 65 feet per second in less than 0.1 seconds. This rapid acceleration results in an extraordinary increase in wall shear stress compared to steady flow methods. comprex® outperforms traditional water flushing by up to 1,000 times the cleaning forces, all while maintaining lower pressures than conventional methods.

04 The result

comprex® reduces water consumption and therefore reduces wastewater volume. Less volume required means less energy usage for tempered cleaning fluid applications, yielding additional savings, minimizing downtimes, all while achieving maximal cleaning.

The innovation from comprex®

SCU- Stationary comprex® Unit

Bring the concept of preventive maintenance to your product pipelines using less resources and more cleaning power

Advantages at a Glance

- Profound cost savings implications
- Up to 97% Water savings
- Up to 80% Downtime reduction
- Reduce and potentially eliminate chemical usage
- Reduce and potentially eliminate heating costs
- Reduced effluent treatment costs

Applications

- Food and Beverage
- Consumer Goods
- Industrial
- Pulp & Paper
- Pharmaceuticals
- Municipal
- Heat Exchangers
- Injection Molding

comprex® SCU

Why invest in comprex®?

Go green with our chemical-free solution powered by air and water

- Reduce plant downtime, **improve** production output and increase product yield
- Provides 10 times the **velocity** and 100 times the **cleaning force** of a conventional water flush
- Save up to **90 % water** and up to **70 % time** in cleaning cycles
- Save **energy** and efluent treatment cost
- With complex piping systems **compatible**
- Easy to **adapt** solution

comprex® - The patented cleaning process

By using only air and water, comprex® is able to produce unparalleled results.

The proof is in the results.

20 m/s

(70 km/h)

Maximum Speed of Pulses

Click here to see how comprex saves more than 90% water and time.

>250

Industrial service projects per year

>27

Years of expertise

Contact us!

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Continuously pursuing the next innovation.

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