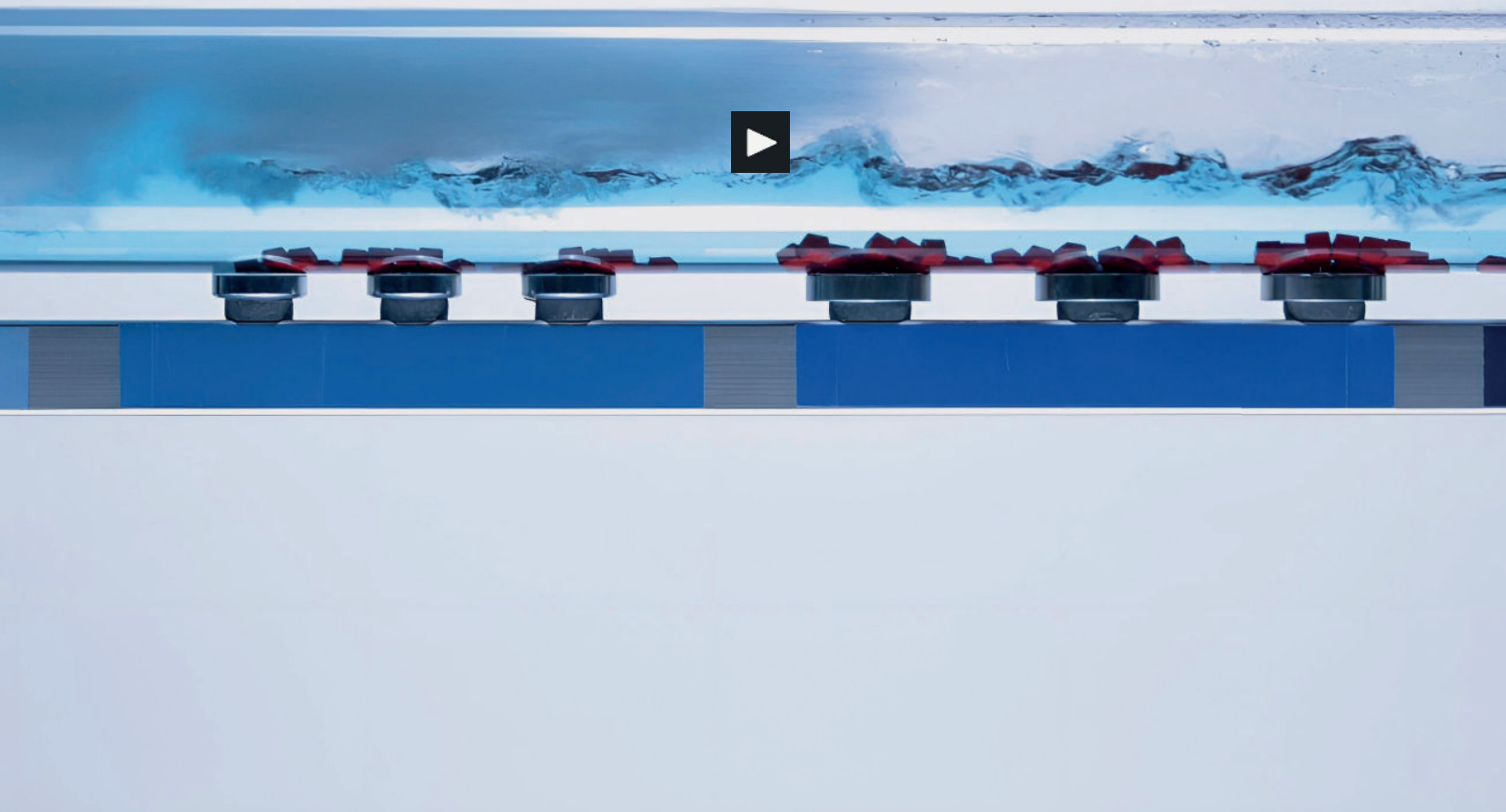




# comprex»

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<sup>®</sup>

Patented cleaning technology



www.comprex.de

Novacel

Impulses that inspire

# Integration of SCU

## Stationary complex® cleaning

Fully automated and integrated

Accelerated water blocks generate strong shear forces on the pipe walls

Extreme velocities result in mobilization and removal of deposits

Fluid and air injection into process

20 m/s  
66 ft/s

Discharge of water, solids and air to effluent collection location

### 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 pipelines and piping components.

### 03 The solution

The complex® 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. complex® outperforms traditional water flushing by up to 1,000 times the cleaning forces, all while maintaining lower pressures than conventional methods.

### 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.

### 04 The result

complex® 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 more than **90% of water** and **70% time** during cleaning cycles
- Save **energy** and effluent treatment cost
- **Compatible** with complex piping systems
- 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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