



THE PUMP REVOLUTION

The unique HiCone[®] progressive cavity pump
with groundbreaking adjustment system

VOGELSANG – LEADING IN TECHNOLOGY

VOGELSANG



Optimally tuned for long service life

The interplay of unique geometry and an innovative adjustment system saves energy and extends the service life of the new HiCone® progressive cavity pump



HiCone progressive cavity pump

In times of rising energy costs, trouble-free and efficient pumping processes are a necessity for the future. Energy-efficient and durable pumping technology is particularly important, as it consumes a considerable amount of the electrical energy generated. That is why Vogelsang has rethought and decisively optimized the operating principle of the progressive cavity pump

We have already made a decisive breakthrough that helps customers by implementing rapid parts replacement for pumps in the proven CC series. The new progressive cavity pumps of the HiCone series furthermore feature a revolutionary, conical geometry and clever adjustment system, which enables longer service life than ever before while significantly reducing overall lifecycle costs.

Simply adjust instead of replacing parts

In conventional progressive cavity pumps, wear quickly leads to a gap between rotor and stator – causing an abrupt drop in pumping performance and requiring time-consuming part replacement. Since the condition of the conveying elements cannot be monitored, this loss in performance often comes as a surprise to the user. The innovative HiCone offers a smart solution: the gap is easily compensated by adjusting the rotor – maintaining consistently high performance without needing to replace parts. At the same time, the HiCone continuously monitors the condition of the conveying elements. This allows for timely ordering of spare parts and proactive maintenance planning – ensuring maximum operational reliability and minimal downtime.

Adjustable setting with extraordinarily easy handling

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In order to react to different pumping tasks, the clamping between the rotor and stator of the pumps can be adjusted accordingly. The precise adaptation of the pump elements to operating parameters such as pressure, viscosity or temperature minimizes energy consumption and wear. This ensures that the pump operates at its optimum operating point.

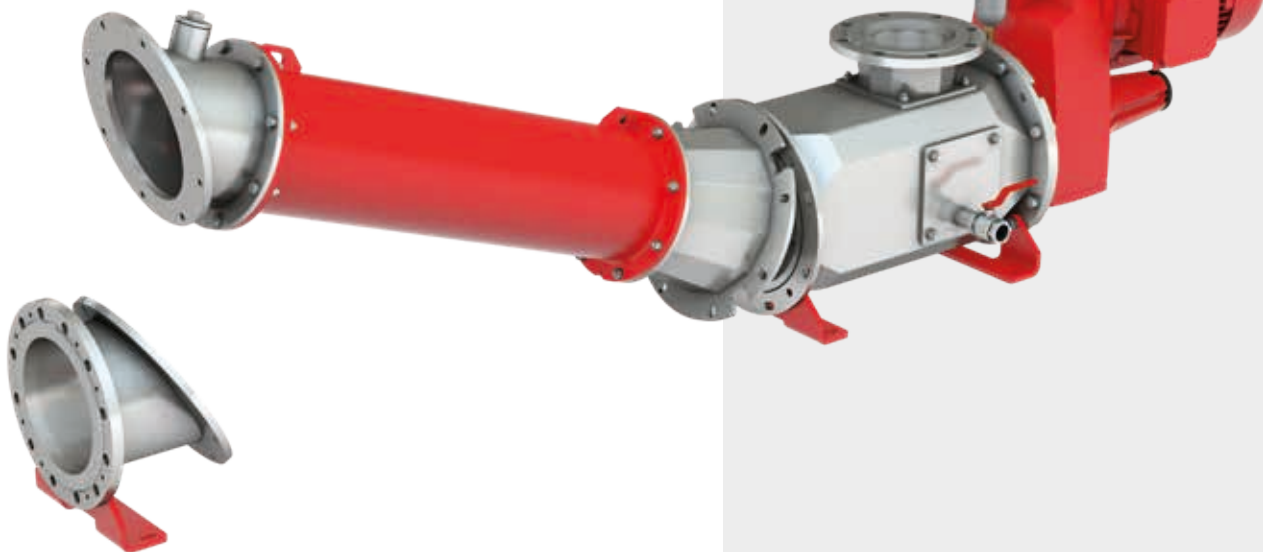
Maximum availability at the lowest possible power consumption

The result: a service life that is several times longer and an extremely high availability compared to conventional progressive cavity pumps. This represents a significant cost advantage, especially since the lower power consumption, which is kept to a minimum, leads to further savings.

A new era

The pinnacle of efficiency: The durable HiCone® progressive cavity pump with QuickService functionality

The CC series pumps have already helped to avoid long downtimes thanks to their reliability and durability. And now, Vogelsang's HiCone series pumps require even less maintenance, thanks to the unique, conical geometry of the pumping elements and the associated adjustment and readjustment options. Users benefit from significantly longer service life and higher availability – leaving them with more time for essential tasks.



The condition of the conveying elements can be easily checked. This allows necessary service operations to be identified early and planned efficiently. When it comes to part replacement, the proven **QuickService principle** is applied: thanks to the swiveling mechanism, the rotor and stator can be replaced quickly and easily – without removing the pump from the pipeline system. With just a few simple steps, the entire rotor/stator unit can be removed and replaced – including the drive shaft, if needed.

And replacing the pre-assembled mechanical seal is just as easy: it can be replaced from the side after removing the geared motor.

Advantages of the HiCone®

- Reduced lifecycle costs
- Several times longer service life
- Optimal adjustment for maximum efficiency
- Easy to maintain and low maintenance
- Features status indicator to avoid unexpected failures

**New and only from the innovation leader:
The one that does it all**

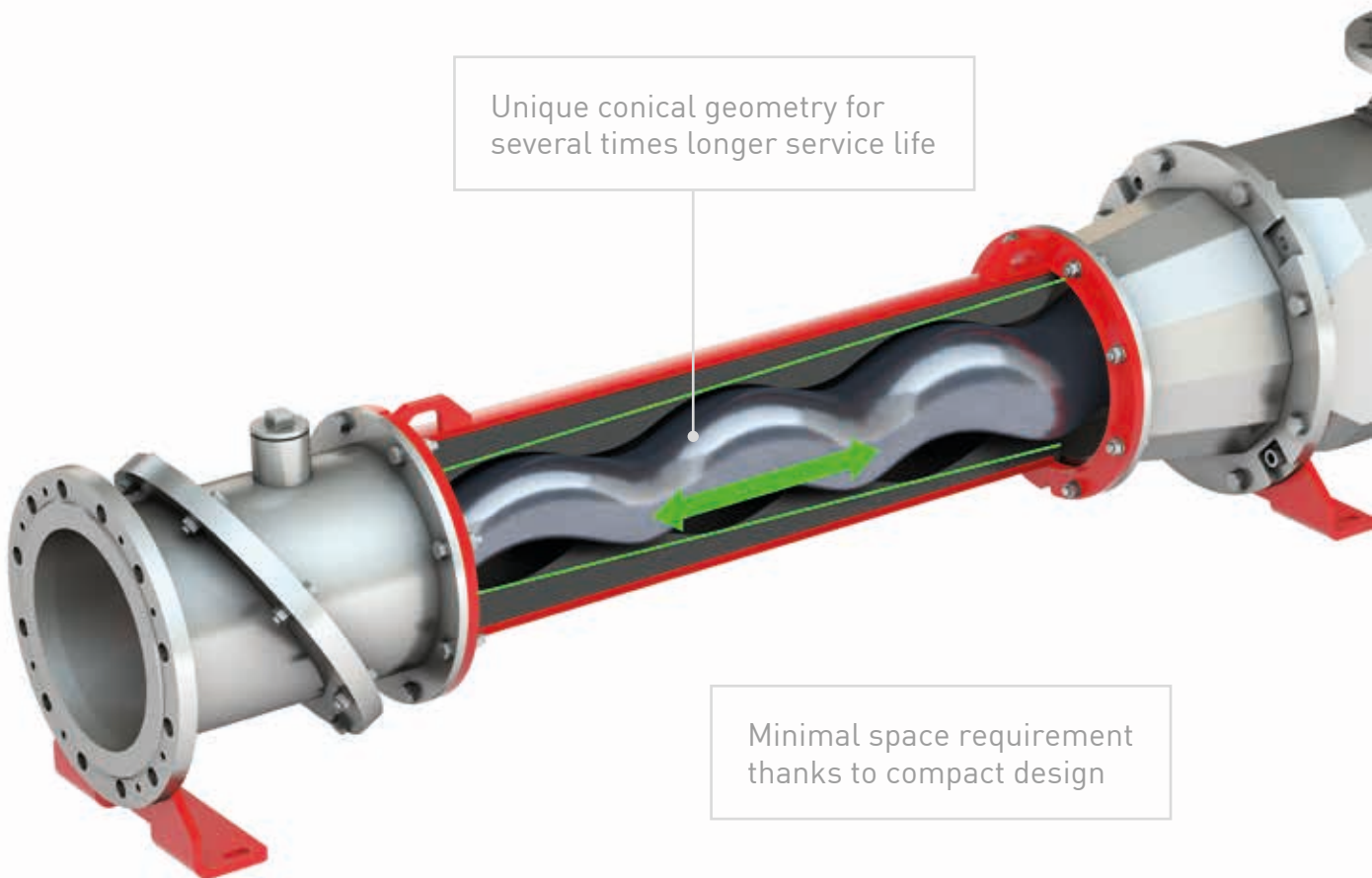
Patent pending adjustment system
for minimal lifecycle costs

Pressure-stable delivery rate

Unique conical geometry for
several times longer service life

Minimal space requirement
thanks to compact design

Easy parts replacement
without dismantling the pipes

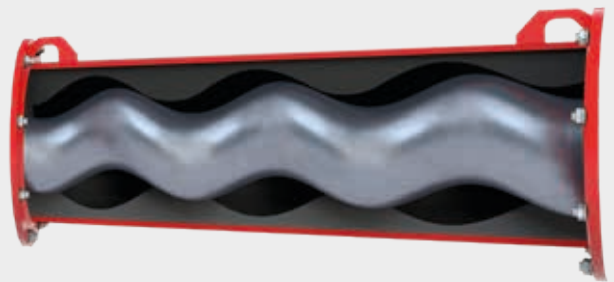


Adjustment of the pumping elements depending on the general conditions



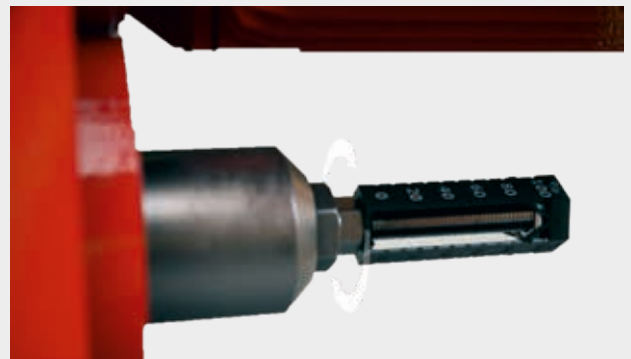
Display of the wear status

High delivery rates of up to 290 m³ per hour



Unrivalled economy thanks to the conical shape for precise clamping

The unique, forward-tapering geometry of the rotor and stator enables both wear compensation and ideal adjustment to the given flow medium. Customers benefit from an unprecedented extension of service life and a far superior cost/ performance ratio when using a HiCone progressive cavity pump compared to conventionally designed models.



Thanks to a clever mechanism, the rotor and stator can be easily positioned to each other and the status checked.

SPECIFICATIONS

Size	Max. delivery rate	Max. pressure	Max. speed	Free passage
	m ³ /h	bar	min ⁻¹	mm
HiCone 44	37	12	350	48
HiCone 55	75	12	350	62
HiCone 66	150	12	300	78
HiCone 77	290	12	300	98

When it comes to service, we leave nothing to chance

Comprehensive services for smooth operation and a long lifetime

Support and supply from A to Z

Because we are aware that close customer proximity is essential for our mutual success, we design our services to best meet your needs. In Germany and in countries where we have subsidiaries, Vogelsang service centers and contractual partners generate an active dialog with our customers and provide reliable support.

This means you always get the precise support you need in every phase of our partnership. Our highly qualified staff make it possible – experts such as consultants and technicians who know your Vogelsang machines inside and out.



Since its establishment in 1929, Vogelsang has become an internationally recognized mechanical engineering company with numerous branches, sales centers and subsidiaries.



We think ahead

Thinking ahead in your best interest begins with our extensive and detailed product documentation. Spare parts are available within a short time due to our high degree of vertical integration in production. In addition, you will always find an authorized service partner in your area who can help with repairs and wear part replacement. The Vogelsang ServicePack completes the offer. Whether you need start-up, on-site training, training at the Vogelsang facility, or full service support with a maintenance contract and a wear parts service package – we offer a support program tailored specifically to your needs.

What we offer

We provide solutions in the following sectors:
AGRICULTURAL TECHNOLOGY, BIOGAS,
INDUSTRY, TRANSPORTATION, WASTEWATER



Our broad range of products and services

- Consulting and service
- Data management and control technology
- Disintegration technology
- Individually tailored solutions for special applications
- Pumps and pump systems
- Solid matter feeders
- Spreading technology
- Supply and disposal systems for railway, busses and boats
- Wet grinders and solids reduction as well as separation technology

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