

# UNIQUE!

The CavityComfort  
progressive cavity pump with  
a unique economic advantage

Unique **value for money**  
Unique **innovation**  
Unique **product range**  
Unique **maintenance time**

**V/OGELSANG**



# POWERFUL PERFORMER WITH MAXIMUM SERVICING CONVENIENCE

The practical CavityComfort progressive cavity pump for heavy-duty applications



CavityComfort  
Progressive cavity pump

## Universal conveying principle

The positive displacement with a sealing contact between the pump elements rotor and stator enables Vogelsang's CavityComfort progressive cavity pumps to pump low-viscosity to highly viscous media.

## CavityComfort servicing: Time is money. Unique concept for rapid part replacement

The progressive cavity pumps of the CavityComfort series have a simple and extremely rapid access to the pump elements. As a result, they offer an unrivaled economic advantage over all other progressive cavity pumps on the market.

## This saves time and, therefore, money

The stator and rotor are simply replaced as a unit. The entire rotating unit (stator, rotor and cardan shaft) can also be replaced if necessary. Alternatively, the stator can be removed after pivoting the pumping unit out. The rotor and and/or cardan shaft can then be replaced, without having to remove the sleeve that protects the robust cardan shaft. And thanks to the clever swiveling mechanism, the pipework do not have to be disassembled for maintenance and service.

## Practical sealing change

The tried-and-trusted Quality Cartridge mechanical seal is used for the shaft seal. As a preassembled unit, it can be quickly and easily replaced on site – usually after removing the cardan shaft through the pumping chamber. When the parallel shaft geared motor is removed, the seal is accessible from the drive end, where it can be replaced in just a few steps – without opening the pump.

## Clever details ensure a long lifetime

In designing the CavityComfort series, the Vogelsang developers worked to optimize many factors that significantly increase service life. To prevent malfunctions, for example, the cardan shaft is generously sized and protected by a durable sleeve as standard. Sturdy parallel shaft geared motors supply the drive power. The flow optimized StreamLine suction housing ensures extremely large free passage within the entire pump and avoids clogging. As an alternative, the MultiConnect suction housing allows multiple pipe systems of different sizes and connector forms to be easily and directly connected.



## TECHNICAL DATA

Type*	Maximum capacity**	Maximum pressure	Maximum free passage
	m <sup>3</sup> /h	bar	mm
CC44-M1	40	6	63
CC44-M2	40	12	63
CC44-D1	80	6	63
CC55-M1	80	6	73
CC55-M2	80	12	73
CC55-D1	165	6	79
CC66-M1	145	6	88
CC66-M2	145	12	88
CC66-D1	290	6	95
CC77-M1	225	6	108
CC77-M2	225	12	108

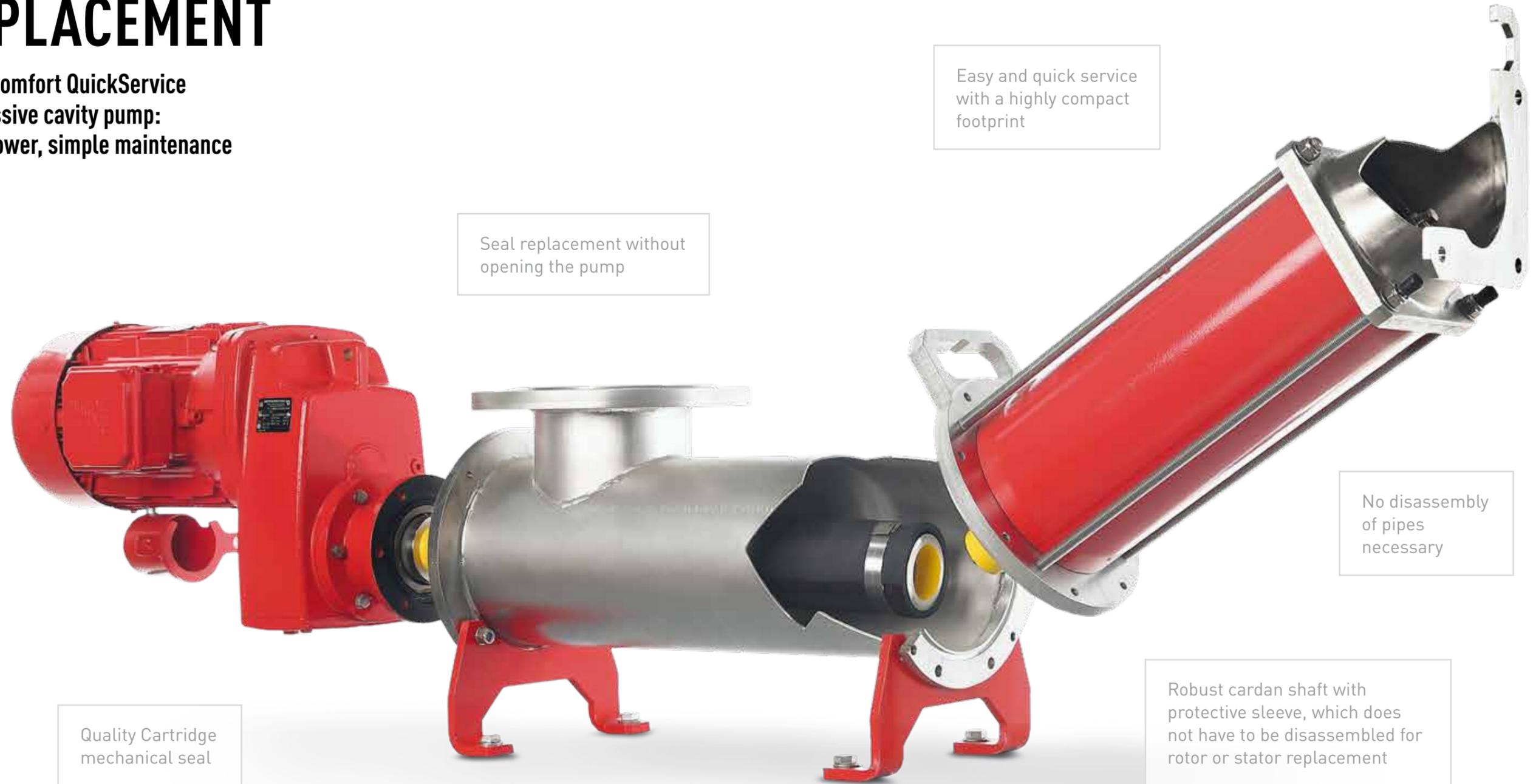
\* D1/M1: single-stage progressive cavity pump / M2: two-stage progressive cavity pump.

\*\* Maximum, theoretical capacity. In practice, the capacity is normally lower, depending on pressure difference, medium viscosity, and pump installation.

# RELIABLE PUMPING AND SIMPLE PARTS REPLACEMENT

**CavityComfort QuickService  
progressive cavity pump:  
More power, simple maintenance**

**Proven for media of all kinds and quick to maintain**  
Vogelsang's CC series (CavityComfort) comprises rotating, positive displacement pumps that have proven themselves especially in challenging applications. The robust progressive cavity pumps demonstrate their durability and reliable pumping performance in applications involving highly viscous and abrasive media that may also have a high content of foreign matter. Thanks to the innovative design, CC-series pumps are ideal when long periods of downtime for service and maintenance are simply unacceptable.



Quality Cartridge  
mechanical seal

Seal replacement without  
opening the pump

Easy and quick service  
with a highly compact  
footprint

No disassembly  
of pipes  
necessary

Robust cardan shaft with  
protective sleeve, which does  
not have to be disassembled for  
rotor or stator replacement

# NOBODY DOES IT BETTER

The progressive cavity pumps in the CavityComfort series are designed specifically for a wide range of system sizes and their individual needs

This ensures that the optimal economic efficiency is achieved for every system type. Vogelsang CavityComfort progressive cavity pump are among the most modern and innovative pumps on the market. This puts an end to laborious, complicated repairs and maintenance thanks to robust, state-of-the-art, innovative technology. Maintain the system and replace spare parts in minutes. The right system for everyone, that is economy in a nutshell.

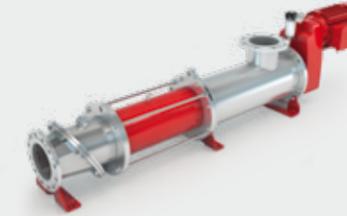
The extremely sophisticated product range includes the right CavityComfort progressive cavity pump for every application. That all leads to unbeatable bang for the buck.



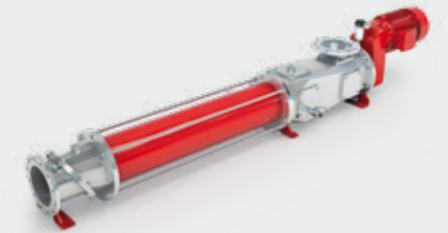
CC44-M1 StreamLine



CC55-D1 MultiConnect



CC66-M1 StreamLine



CC77-M2 MultiConnect

## Small but powerful

For smaller, yet high-efficiency pump systems, for universal applications

## Minimum investment, maximum results

For medium pumping tasks, applications with high efficiency

## For higher demands

The compact all-rounders, high performance with optimal economy

## When power is key

For extreme power requirements and economic pumping at the highest level

### Short geometry, 1-stage



#### CC44-M1

- StreamLine/MultiConnect
- Optional motor output: 2.2 – 7.5 kW
- Maximum capacity: 40 m<sup>3</sup>/h
- Maximum pressure: 6 bar
- Maximum free passage: 63 mm

#### CC55-M1

- StreamLine/MultiConnect
- Optional motor output: 4.0 – 11 kW
- Maximum capacity: 80 m<sup>3</sup>/h
- Maximum pressure: 6 bar
- Maximum free passage: 73 mm

#### CC66-M1

- StreamLine/MultiConnect
- Optional motor output: 7.5 – 18.5 kW
- Maximum capacity: 145 m<sup>3</sup>/h
- Maximum pressure: 6 bar
- Maximum free passage: 88 mm

#### CC77-M1

- StreamLine/MultiConnect
- Optional motor output: 11.0 – 22.0 kW
- Maximum capacity: 225 m<sup>3</sup>/h
- Maximum pressure: 6 bar
- Maximum free passage: 108 mm

### Short geometry, 2-stage



#### CC44-M2

- StreamLine/MultiConnect
- Optional motor output: 4.0 – 11 kW
- Maximum capacity: 40 m<sup>3</sup>/h
- Maximum pressure: 12 bar
- Maximum free passage: 63 mm

#### CC55-M2

- StreamLine/MultiConnect
- Optional motor output: 7.5 – 18.5 kW
- Maximum capacity: 80 m<sup>3</sup>/h
- Maximum pressure: 12 bar
- Maximum free passage: 73 mm

#### CC66-M2

- StreamLine/MultiConnect
- Optional motor output: 11.0 – 22.0 kW
- Maximum capacity: 145 m<sup>3</sup>/h
- Maximum pressure: 12 bar
- Maximum free passage: 88 mm

#### CC77-M2

- StreamLine/MultiConnect
- Optional motor output: 15.0 – 30.0 kW
- Maximum capacity: 225 m<sup>3</sup>/h
- Maximum pressure: 12 bar
- Maximum free passage: 108 mm

### Long geometry, 1-stage



#### CC44-D1

- StreamLine/MultiConnect
- Optional motor output: 4.0 – 11 kW
- Maximum capacity: 80 m<sup>3</sup>/h
- Maximum pressure: 6 bar
- Maximum free passage: 63 mm

#### CC55-D1

- StreamLine/MultiConnect
- Optional motor output: 7.5 – 18.5 kW
- Maximum capacity: 165 m<sup>3</sup>/h
- Maximum pressure: 6 bar
- Maximum free passage: 79 mm

#### CC66-D1

- StreamLine/MultiConnect
- Optional motor output: 11.0 – 22.0 kW
- Maximum capacity: 290 m<sup>3</sup>/h
- Maximum pressure: 6 bar
- Maximum free passage: 95 mm

## 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
- Solids reduction, separators and mixers
- Spreading technology
- Supply, disposal and cleaning

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