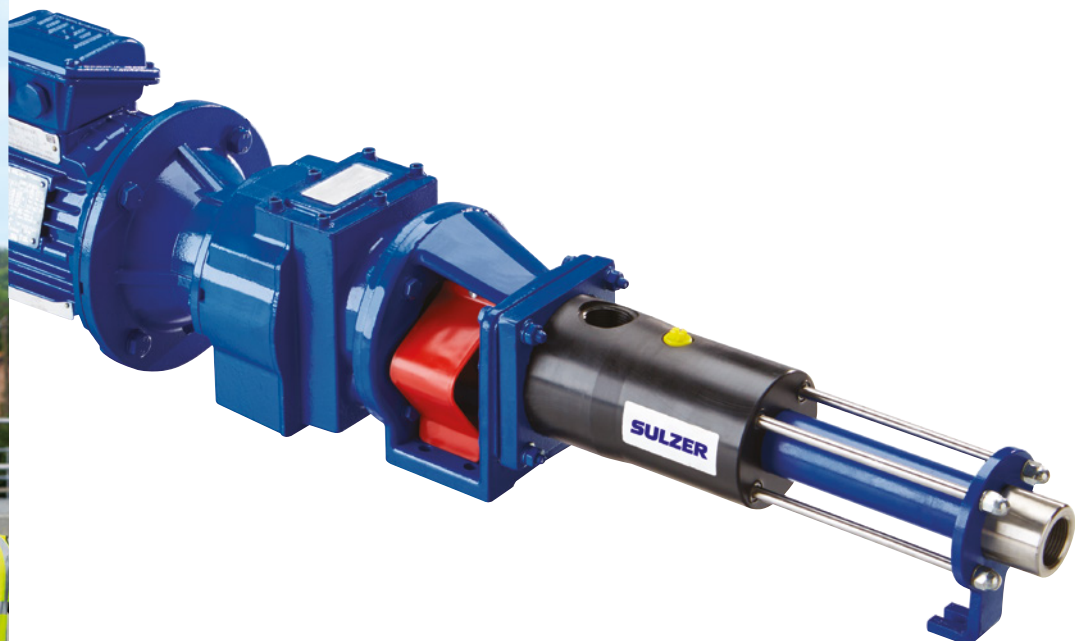


# SULZER

Pumps and pumping systems

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## PC dosing pump



# Main industries and applications

Sulzer's progressing cavity pump range offers reliable and efficient solutions for diverse industrial applications. Included in the series are the PC cake pump, the PC dosing pump, the PC transfer pump and the PC transfer perform pump.

The PC dosing pump is reliable for applications where low flow, accurate dosing is required. The dosing pump provides a smooth pumping action with no pulsation and very low shear. The pump is ideal for either intermittent or continuous dosing duties in high pressure, low flow applications, and represents a cost-effective alternative to the more expensive gear pumps traditionally used for these types of duties. The modular design of the PC dosing pump allows the four models in the range to cover performance requirements from 5 liters per hour up to 1'250 liters per hour and 72 bar pressure.

The PC dosing pump is used in the following applications:

- Low flow dosing
- Delivery of barrier layer injection and conditioning agents in sludge dewatering and thickening
- Controlled flocculent pumping
- General industry and chemical processing



## Materials

Pump body	Rotor/rotating parts	Stator materials
Cast iron	Stainless steel AISI 316 Stainless steel AISI 316 + HCP Hastelloy ASTM B574	Nitrile EPDM High nitrile Viton

## Operating data

	50 Hz	60 Hz
Pump sizes (up to diameter)	1" BSP in.	1" BSP in.
Capacities	5 to 1'250 l/h	0.02 to 5.50 USgpm
Differential pressures	up to 72 bar	up to 1'044 psi
Temperatures	up to 120°C	up to 248°F

# Features and benefits

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## Smooth fluid transfer

- Self-priming with a gentle non-pulsating action

## High pressure capability

- Coupling rod design offers high pressure capabilities, up to 72 bar / 1'044 psi

## Flexible and durable operation

- Resilient stator available in a variety of materials for flexible operation with high resistance to wear
- Allows a wide range of viscous liquids to be pumped

## Long-lasting performance

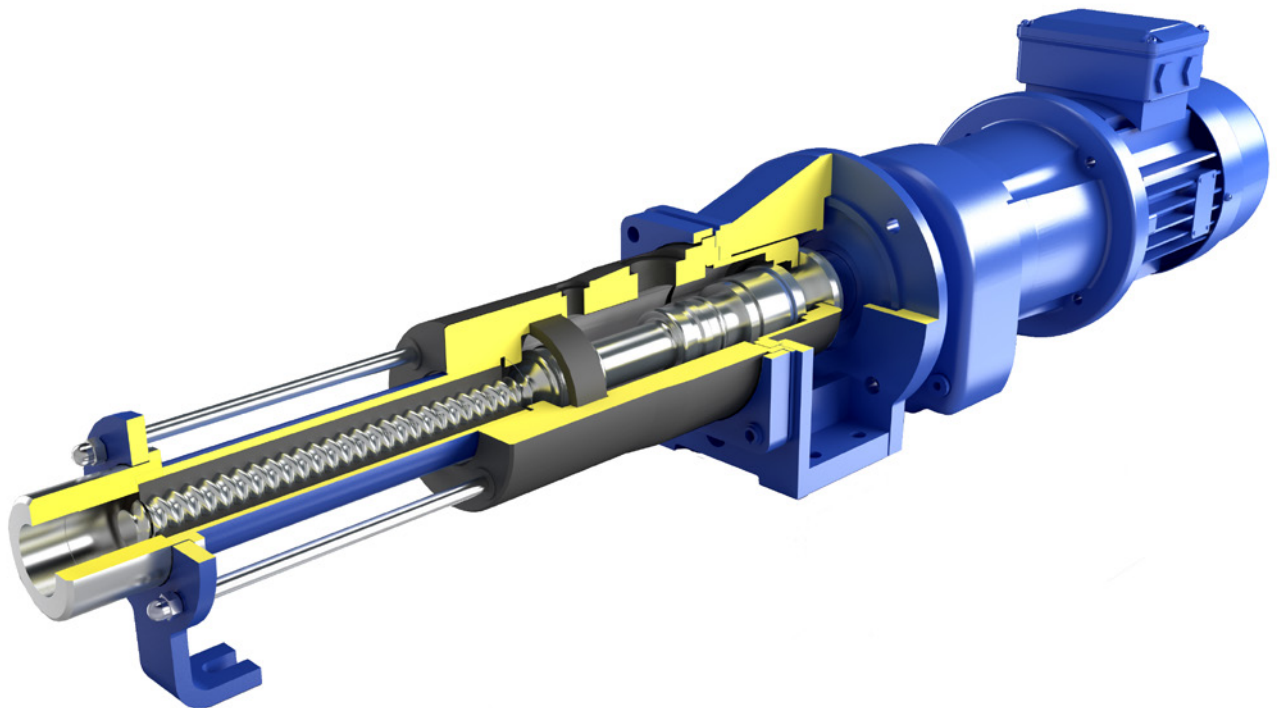
- Specially selected drives and gearboxes with different options ensure long life

## Fully sealed drive train

- Maximizes life and minimizes downtime

## Gentle pumping action

- Pumping with no pulsation or emulsification
- Minimizes shear and crush damage to the pumped product



**The Sulzer Flow division keeps your processes flowing. Wherever fluids are treated, pumped, or mixed, we deliver highly innovative and reliable solutions for the most demanding applications.**

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The Flow division specializes in pumping solutions specifically engineered for the processes of our customers. We provide pumps, agitators, compressors, grinders, screens and filters developed through intensive research and development in fluid dynamics and advanced materials. We are a market leader in pumping solutions for water, oil and gas, power, chemicals and most industrial segments.

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