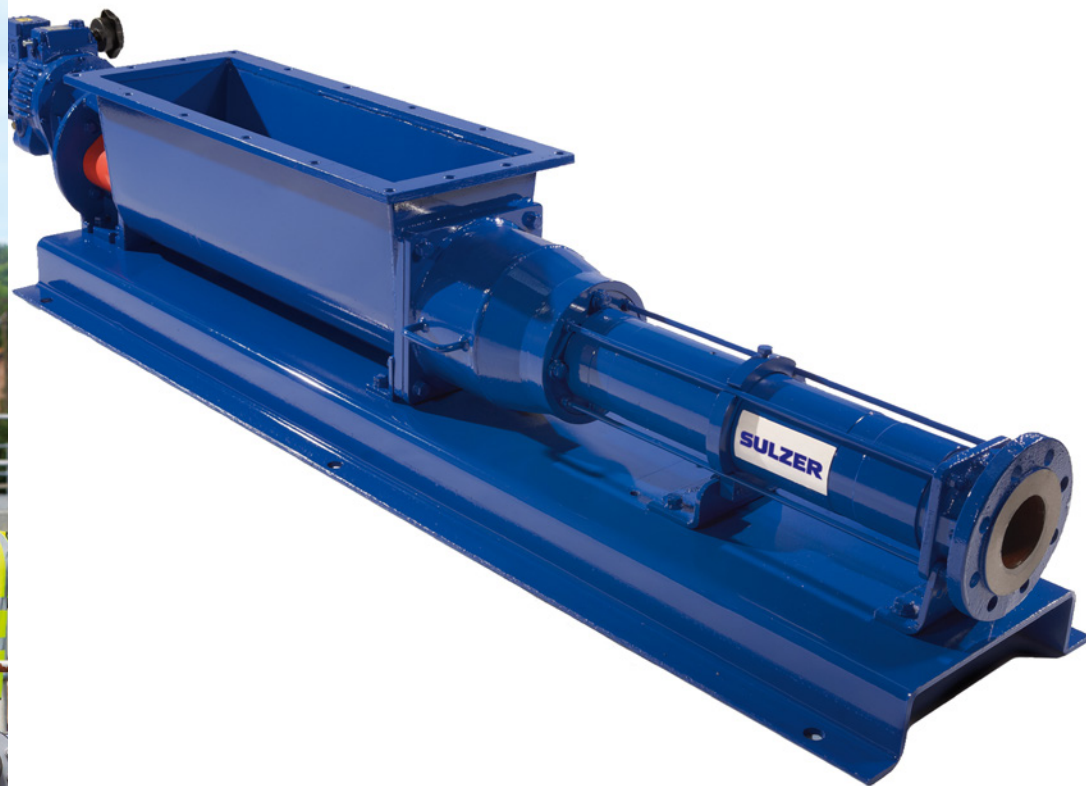


# SULZER

Pumps and pumping systems

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## PC cake 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 cake pump is designed for transfer and handling of thickened and blended sludge, supplied with a large auger inlet and screw conveyor. The screw conveyor extends to the compression area to help push the sludge cake into the cavities of the rotor and stator and provide consistent pumping. The range is available in cast iron, with a choice of rotor and stator materials and a variety of hopper sizes.

The PC cake pump is used in the following applications:

- Heavy sludge cake transfer, greater than 30% dry solids concentration
- Dewatered and thickened sludge transfer
- Sludge blending
- Imported and organic waste sludge transfer
- Industrial process sludge with high percentage dry solids concentration



## Materials

Pump body	Rotor/rotating parts	Stator materials
Cast iron	Alloy steel with HCP Stainless steel AISI 316 Stainless steel AISI 316 + HCP	Natural rubber EPDM High nitrile Nitrile NBR Fluoro-elastomer / Viton

## Operating data

	50 Hz	60 Hz
Inlet hopper size	up to 1'000 x 450 mm	up to 39.4 x 17.7 in.
Capacities	up to 215 m <sup>3</sup> /h	up to 946 USgpm
Differential pressures	up to 48 bar	up to 700 psi
Temperatures	-10 up to 100°C	14 up to 212°F

# Features and benefits

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## Maintenance-friendly design

- Maintain in place, without disconnecting suction flange or removing hopper
- Saves maintenance time and eliminate costs to dismantle

## Detachable feed chamber

- For easy access and removal of the rotor and screw conveyor assembly

## Consistent pumping

- Large auger inlet and screw conveyor ensures consistent pumping and facilitates sludge cake push

## Custom solutions

- Available in cast iron with a choice of rotor and stator materials and a variety of hopper sizes

## Easy addition of sludge

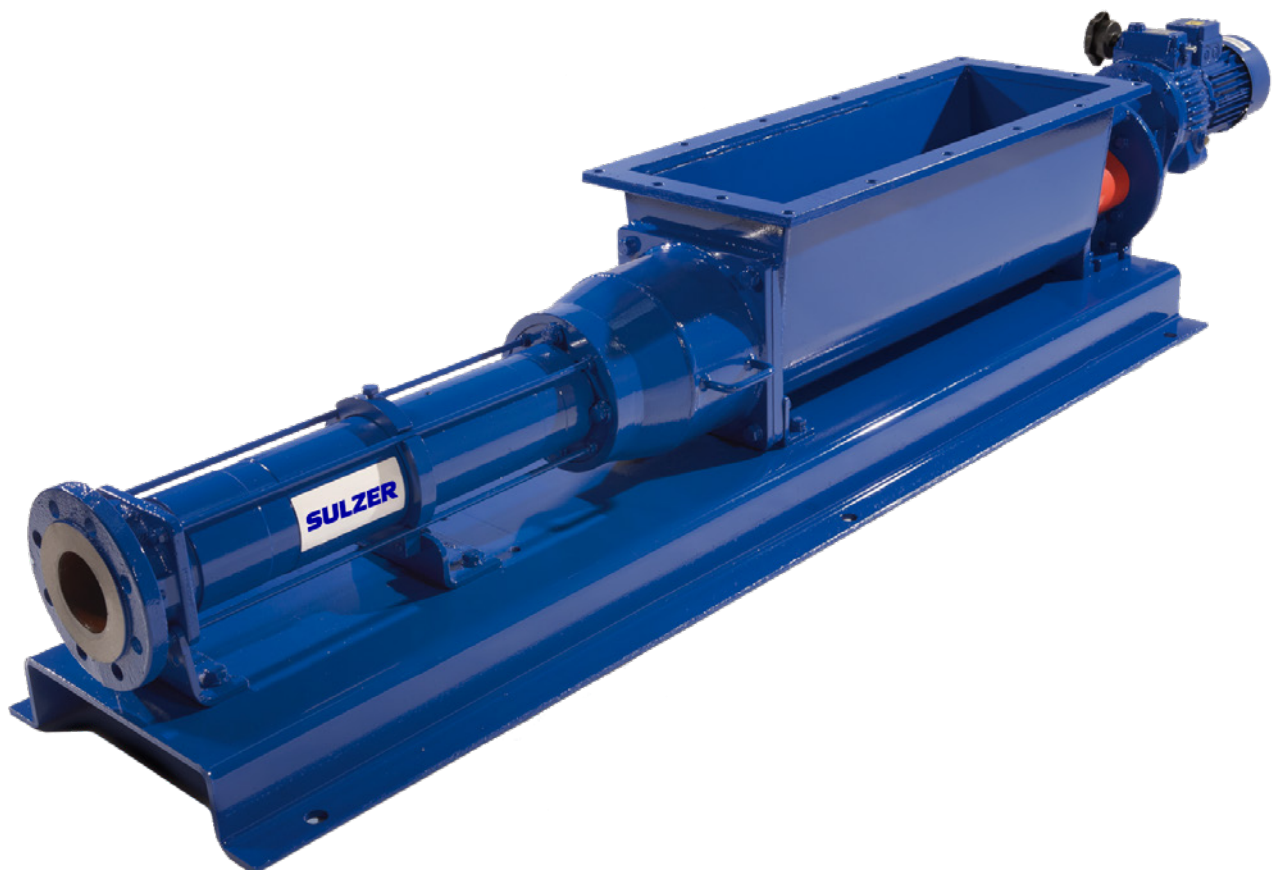
- Side inlet port allows for the addition of thin sludge for blending
- Can also be used for draining the pump

## Reliable operation

- Engineered to pump thickened sludge cakes in municipal and industrial process applications

## Flexible sealing options

- Choice of shaft sealing options, with single or double mechanical seals and packed glands
- Most applications require a mechanical seal as standard, we provide options for customer preferences and cost savings



**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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