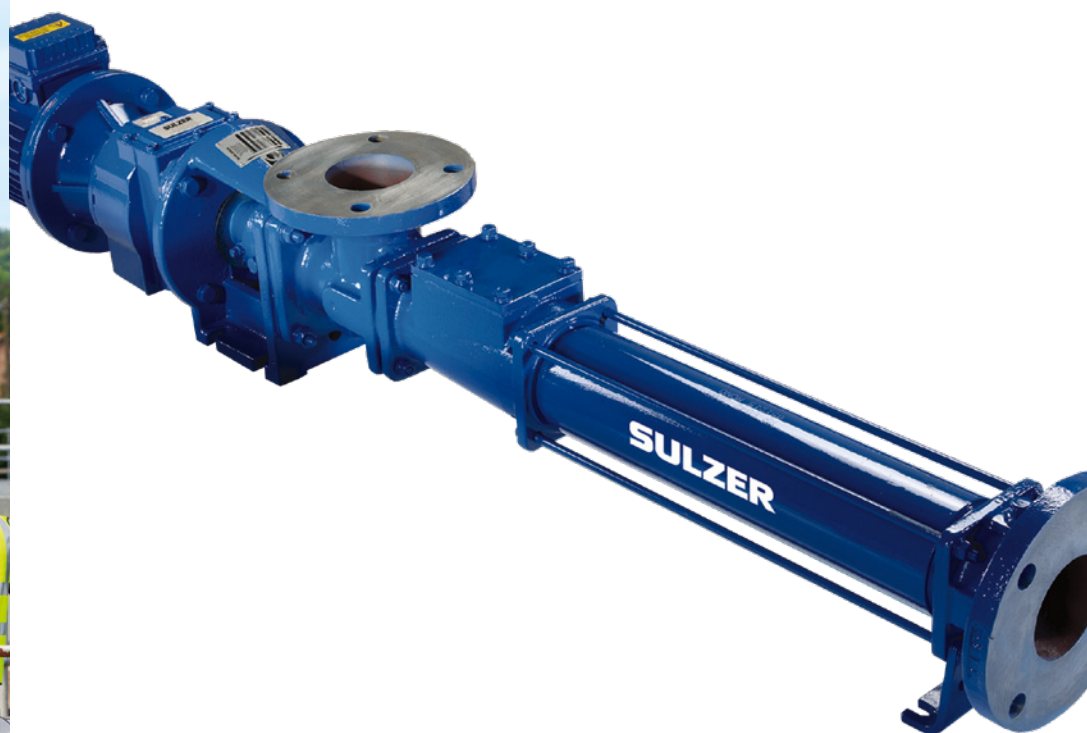


# SULZER

Pumps and pumping systems

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## PC transfer 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 transfer pump is used for pumping wastewater sludge, effluents and shear sensitive fluids in municipal and industrial process applications. The pump delivers a constant capacity with variable pressure for viscous, shear thinning fluids.

The PC transfer pump is used in the following applications:

- Municipal and industrial effluents
- Sludge transfer processes
- Shear sensitive processes
- Hydrated lime slurry
- Industrial chemicals and detergents
- Paper stocks
- Starch slurries
- Ground water with manganese
- Agricultural effluent and farm waste slurries



## Materials

Pump body	Rotor/rotating parts	Stator materials
Cast iron Stainless steel AISI 316	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
Pump sizes (diameter)	up to 250 mm	up to 10 in.
Pump size (square inlet)	up to 240 x 240 mm	up to 9 x 9 in.
Capacities	up to 440 m <sup>3</sup> /h	up to 1'937 USgpm
Differential pressures	up to 24 bar	up to 350 psi
Temperatures	-10 up to 100°C	14 up to 212°F

# Features and benefits

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## Compact, durable design

- Robust drives and low-speed gearboxes extend pump life by reducing wear
- The close-coupled design gives the unit a small footprint

## Preserves shear-sensitive fluids

- The rotor/ stator design provides a gentle pumping action that minimizes shear and crush damage to sensitive process fluids, especially sludge with flocculants

## Flexible installation options

- Available in horizontal or vertical surface mounted installation
- With inspection cover option for applications with known rag content

## Improves feeding of thick fluids

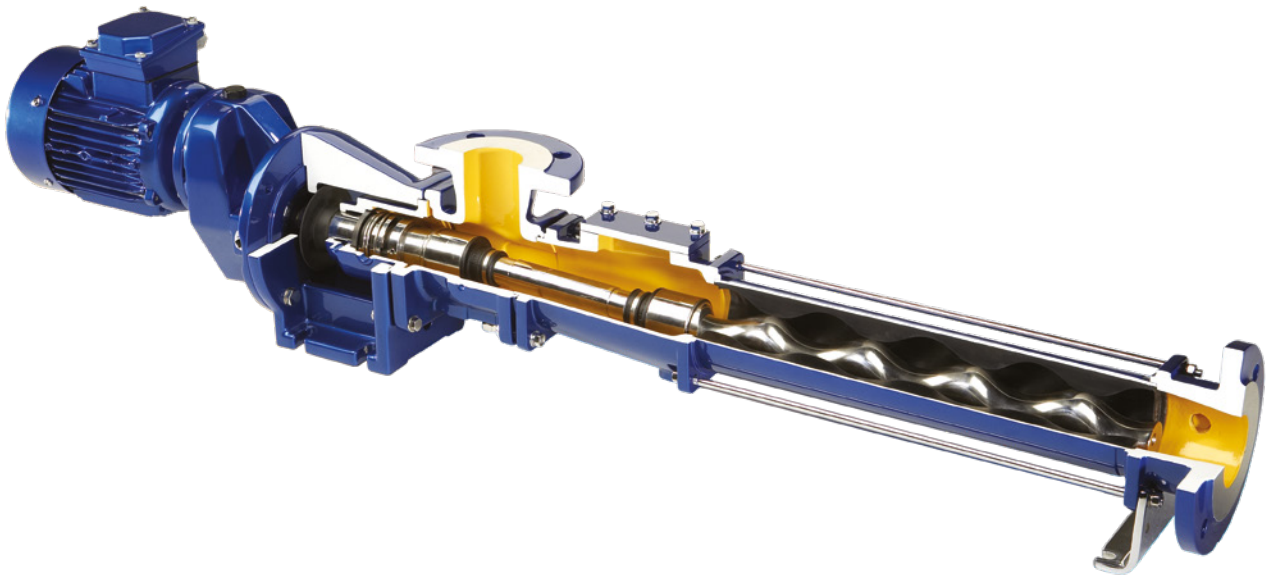
- The pump can be supplied with a square inlet and conveyor to help feed thick, viscous slurries and sludge

## Enhanced durability

- Drive train has fully sealed joints to extend service life

## Flexible sealing options

- Choice of shaft sealing options with single or double mechanical seals and packed glands
- Most applications require a double mechanical seal as standard, however, 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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