

| PC transfer pump



Main industries and applications

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



Water and wastewater



Pulp, paper and board



General industry



Chemical process industry

Materials

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

Operating data

	50 Hz	60 Hz
Pump sizes (up to diameter)	250 mm	10 in.
Pump size (square inlet up to)	240 x 240 mm	9 x 9 in.
Capacities	up to 440 m ³ /h	up to 990 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

The robust drives and gearboxes with low running speeds form an integral part of the compact unit design

- Low running speeds mean reduced wear for a longer working pump life and the close coupled design gives the unit a small footprint

The rotor/ stator design provides a gentle pumping action required for moving viscous fluids, slurries and sludge

- The gentle pumping action minimizes shear and crush damage for sensitive process fluids especially sludge with flocculants

Available in horizontal or vertical surface mounted installation

- With inspection cover option for applications with known rag content

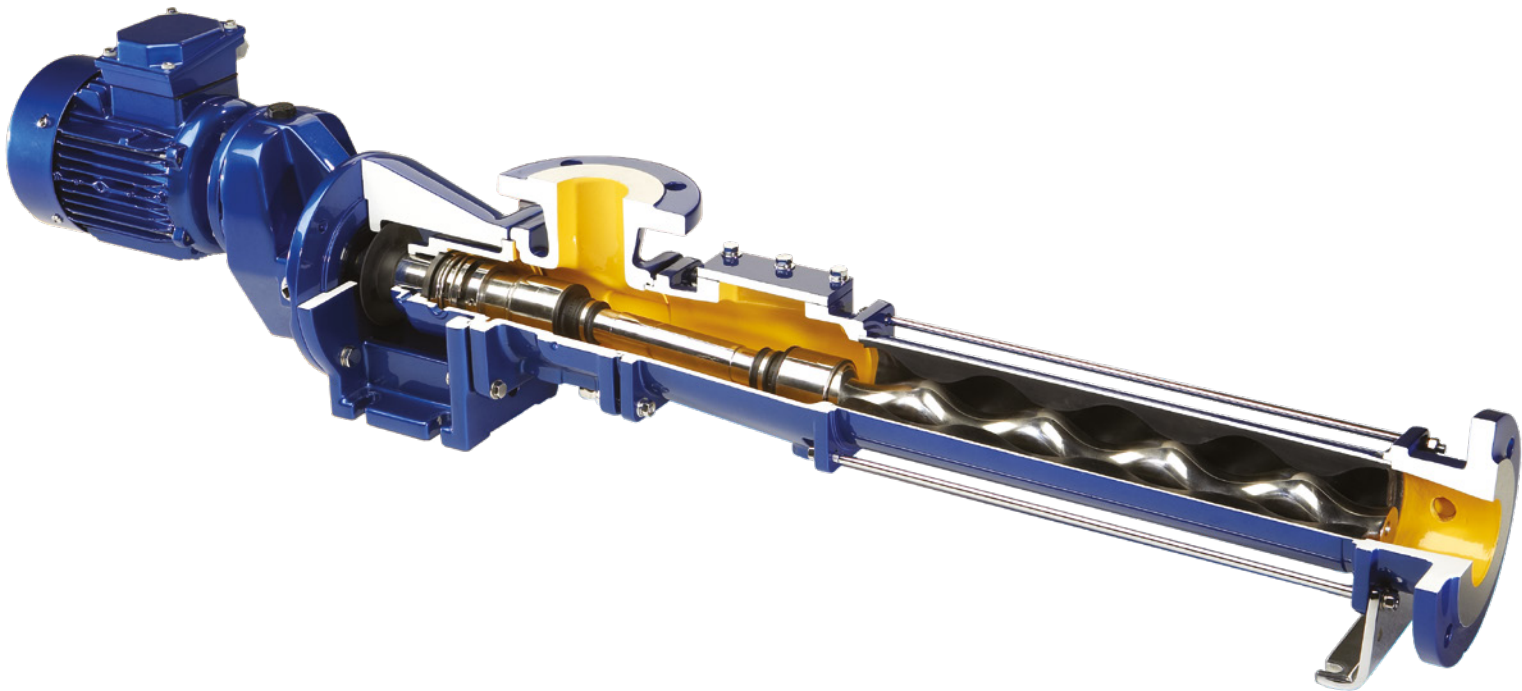
The pump can be supplied with a square inlet and conveyor

- To facilitate feeding thick and viscous slurries and sludge into the pump

Drive train has fully sealed joints to maximize product lifespan

Choice of shaft sealing options with single or double mechanical seals and packed glands

- Most applications require a double mechanical seal as standard, however, Sulzer provides options for customer preferences and cost savings





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