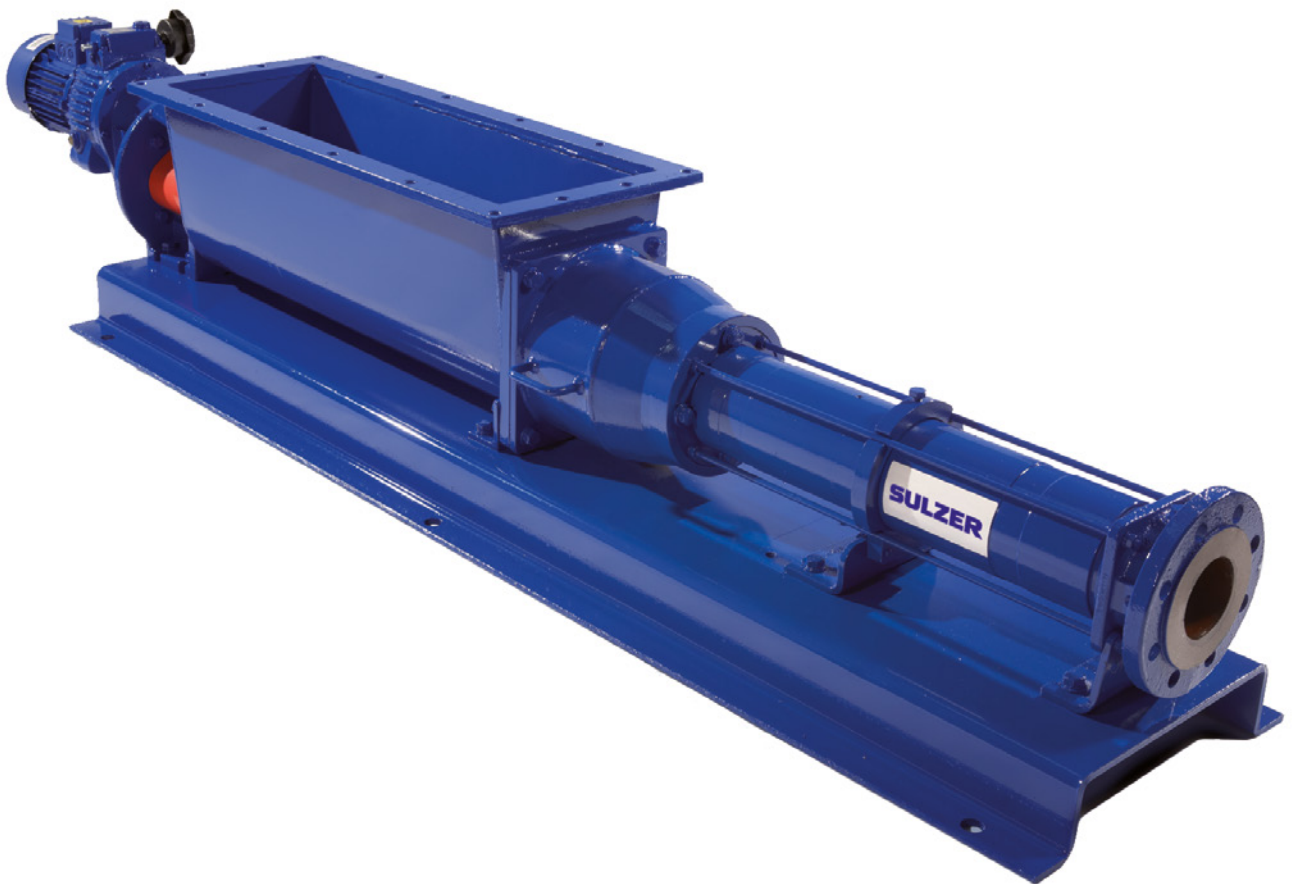


## PC Cake Pump



## Main Applications

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.

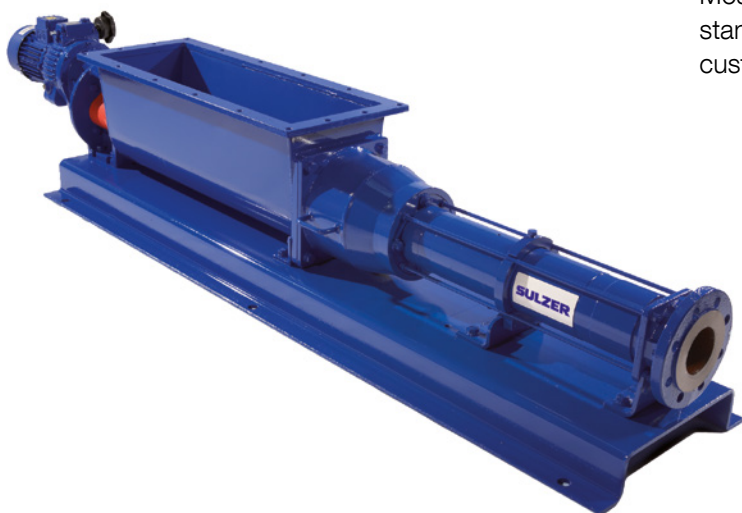
The range is available in cast iron, with a choice of rotor and stator materials and a variety of hopper sizes.

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

## Features and Benefits

- **Maintain in place, without disconnecting suction flange or removing hopper (option available on PC cake pumps)**
  - Saves maintenance time and eliminate costs to dismantle
- **Detachable feed chamber**
  - For easy access and removal of the rotor and screw conveyor assembly
- **Designed with large auger inlet and screw conveyor**
  - For consistent pumping and to facilitate push of sludge cake to pump
- **Available in cast iron with a choice of rotor and stator materials and a variety of hopper sizes**
  - Allowing customized solutions for specific applications
- **Side inlet port allows for the addition of thin sludge**
  - For blending and can also be used for draining the pump
- **Engineered to pump thickened sludge cakes in municipal and industrial process applications**
  - Reliable operation in demanding sludge applications
- **Choice of shaft sealing options, with single or double mechanical seals and packed glands**
  - Most applications require a mechanical seal as standard, however, Sulzer provides options for customer preferences and cost savings



# PC Cake Pump



## Operating data

50 Hz		60 Hz
up to 1,000 x 360 mm	Inlet hopper size	up to 39.4 x 14.2 in
up to 49 m <sup>3</sup> /h	Capacities	up to 216 USgpm
up to 24 bar	Differential pressures	up to 350 psi
-10 up to 100°C	Temperatures	14 up to 212°F

## Materials

Pump body	Rotor / rotating parts	Stator materials	
Cast iron	Alloy steel with HCP	Natural rubber	Fluoro-elastomer / Viton
	316 SS	EPDM	Hypalon
		High nitrile	White NBR
		Nitrile NBR	Urethane



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