

➤ Progressing cavity pumps

PC transfer pump

Features and benefits

- Designed to deliver constant capacity with viscous fluids and shear thinning non-Newtonian fluids
- Selected drives and gearboxes with many low speed options are available to reduce pump wear
- Compact for space saving, can be installed vertically or horizontally and run in either direction
- Competitively-priced process pump with integral direct drive and gearbox, baseplate optional

Key characteristics

| | |
|--------------|---|
| Capacities | up to 440 m ³ /h / 1'900 USgpm |
| Pressures | up to 24 bar / 350 psi |
| Temperatures | -10 up to 100°C / 14 up to 212°F |

Applications

- Sludge handling and transfer
- Municipal and industrial effluent
- Shear sensitive processes
- Shear thinning slurries



PC transfer perform pump

Features and benefits

- Saves time with maintain in place features, easy to de-rag and no need to disconnect the pipework
- Designed for use in sludge plants, where high reliability is essential and downtime is kept to a minimum
- An extension of the PC transfer pump with material variants for a wide range of process applications
- Robust drives and gearboxes with low running speeds form an integral part of the unit design

Key characteristics

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|--------------|---|
| Capacities | up to 225 m ³ /h / 990 USgpm |
| Pressures | up to 12 bar / 170 psi |
| Temperatures | -10 up to 100°C / 14 up to 212°F |

Applications

- Sludge handling and transfer
- Municipal and industrial effluent
- Shear sensitive processes
- Shear thinning slurries



PC cake pump

Features and benefits

- A large auger inlet and screw conveyor to deliver consistent pumping and push the cake to pump
- Saves time with maintain in place features, easy to disassemble, no need to disconnect the pipework
- Feed chamber easily disconnects allowing access for removal of the rotor and screw conveyor assembly
- Designed for use in sludge plants, where high reliability is essential and downtime is kept to a minimum

Key characteristics

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|--------------|--|
| Capacities | up to 49 m ³ /h / 216 USgpm |
| Pressures | up to 24 bar / 350 psi |
| Temperatures | -10 up to 100°C / 14 up to 212°F |

Applications

- Thickened sludge cake (>30% DS)
- Dewatered sludge transfer
- Sludge blending
- Industrial process sludges with high % DS



PC dosing pump

Features and benefits

- For low flow, metering and dosing applications, with continuous and accurate capacity demands
- Gentle pumping action, minimizes shear and crush damage to the pumped product
- Dosing pump parts are interchangeable with the PC transfer range, with stock standardization benefits
- An enhanced coupling rod design, gives higher pressure capabilities, up to 72 bar

Key characteristics

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|--------------|-------------------------------------|
| Capacities | 5 to 1'250 l/h / 0.02 to 5.50 USgpm |
| Pressures | up to 72 bar / 1'044 psi |
| Temperatures | up to 120°C / 248°F |

Applications

- Sludge dewatering
- Controlled flocculent pumping
- General industry and chemical processing

