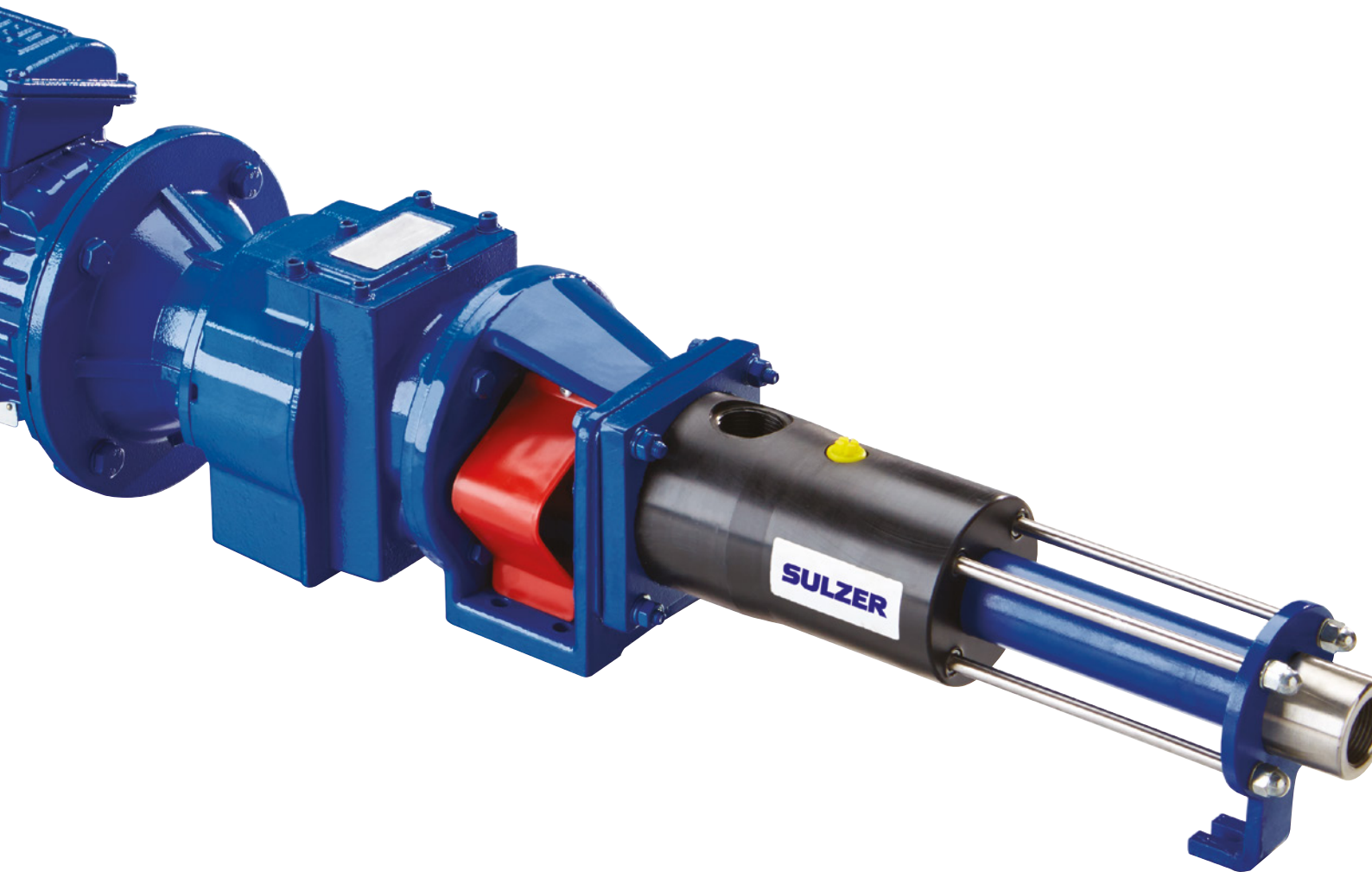
SULZER

PC dosing pump



Main industries and applications

The PC dosing pump is reliable for applications where low flow, accurate dosing is required. The dosing pump provides a smooth pumping action with no pulsation and very low shear. The pump is ideal for either intermittent or continuous dosing duties in high pressure, low flow applications, and represents a cost-effective alternative to the more expensive gear pumps traditionally used for these types of duties. The modular design of the PC dosing pump allows the four models in the range to cover performance requirements from 5 liters per hour up to 1'250 liters per hour and 72 bar pressure.

The PC dosing pump is used in the following applications:
- Low flow dosing
- Delivery of barrier layer injection and conditioning agents in sludge dewatering and thickening
- Controlled flocculent pumping
- General industry and chemical processing

Water and wastewater | **Pulp, paper and board** | **General industry** | **Chemical process industry**

Materials

Pump body	Rotor/rotating parts	Stator materials
Cast iron	Stainless steel 316S11	Nitrile
	Hastelloy ASTM B574	EPDM
		High nitrile
		Viton

Operating data

	50 Hz	60 Hz
Pump sizes (up to diameter)	1" BSP in.	1" BSP in.
Capacities	5 to 1'250 l/h	0.02 to 5.50 USgpm
Differential pressures	up to 72 bar	up to 1'044 psi
Temperatures	up to 120°C	up to 248°F

Features and benefits

Self-priming with a gentle non pulsating action
- Helps maintain pumped fluid integrity

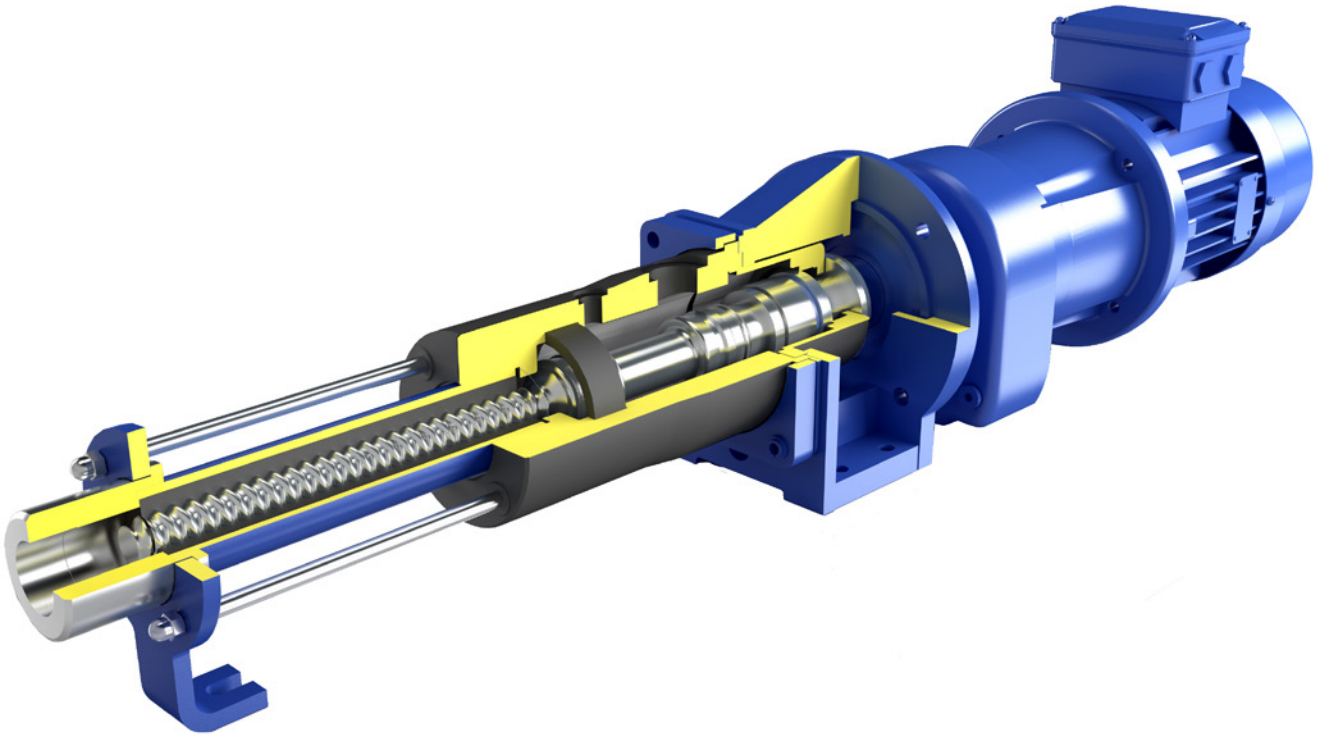
New coupling rod design
- Offers higher pressure capabilities, up to 72 bar/ 1’044 psi

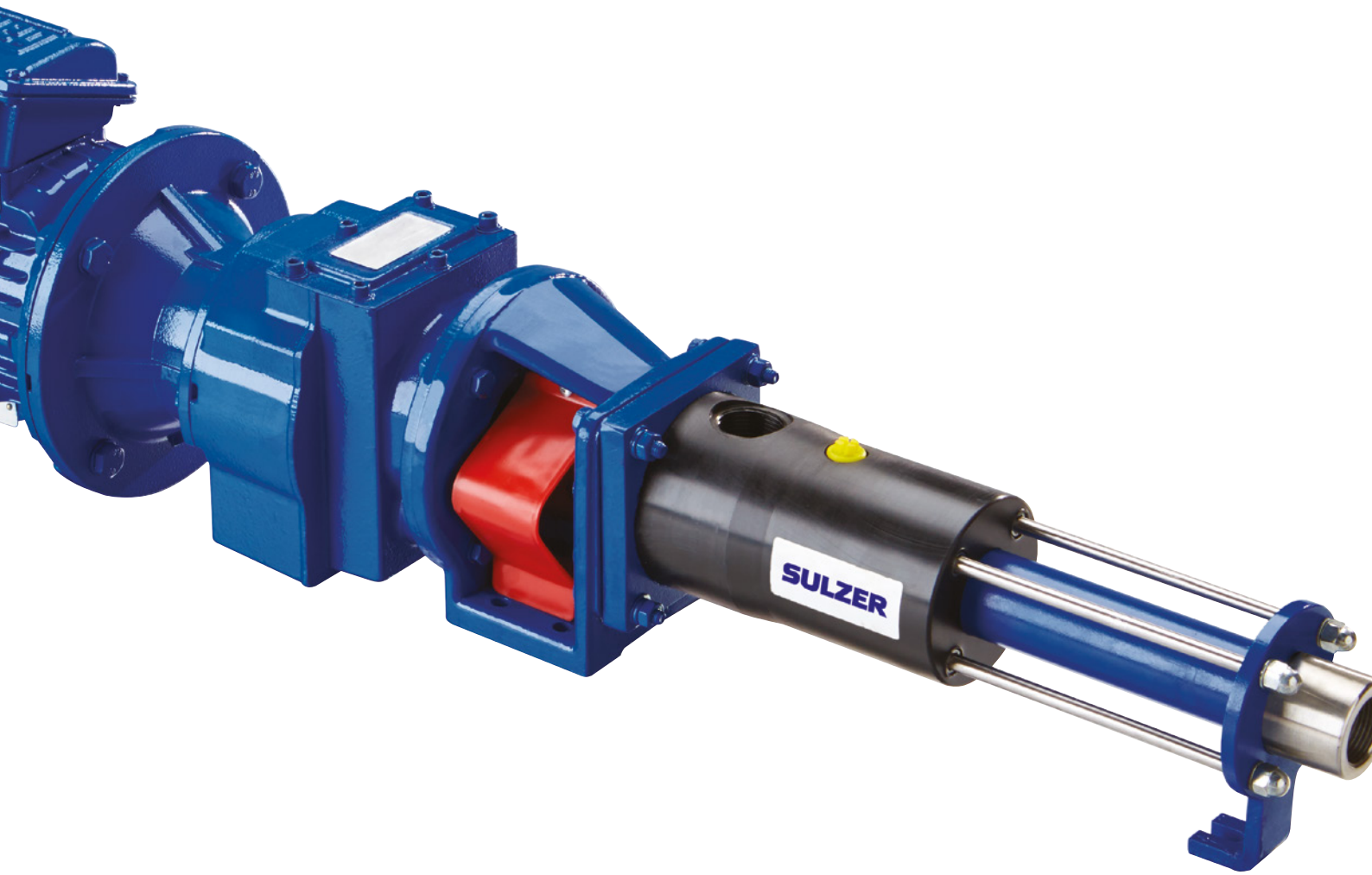
Resilient stator available in a variety of materials
- Gives flexible operation and high resistance to wear
- Allows a wide range of viscous liquids to be pumped

Specially selected drives and gearboxes with different options
- Ensures long life

Fully sealed drive train
- Maximizes life and minimizes downtime

Gentle pumping action with no pulsation or emulsification
- Minimizes shear and crush damage to the pumped product





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