

Specialist for pumps, agitators and mixers for the phosphates industry



Proven expertise

With long experience and in-depth knowledge of demanding phosphoric acid plants and process applications for phosphate fertilizers, Sulzer offers:

- Proven application experience and worldwide references
- Unique selection of solutions to meet specific application needs
- Extended range of axial flow pumps including highly reliable cooler/evaporator circulators
- Wide variety of vertical turbine pumps, horizontal and cantilever heavy-duty pumps, slurry and wear-resistant pumps, self-regulating pumps, and many other types of process pumps
- Specially dedicated liquid ring vacuum pumps (LRVP)
- Broad range of high-efficiency and heavy-duty agitators and mixers

Value you can count on

Partnership for solving your most critical applications in daily pumping and agitating challenges

- Reliability of our equipment (high MTBM)
- Performance matching production needs
- Durability and extended pump lifetime
- Continuous enhancement
- Easy use and maintenance
- Optimized OPEX and lowest LCC (TCO)

Material competence

- Specialist competence in handling erosive, corrosive, scaling and aerated slurries as well as other kinds of liquids
- Leading material technology with a wide range of wear/corrosion-resistant cast irons, stainless steels and high-grade alloy materials
- Special hydraulic design with high efficiency and/or enhanced wear resistance
- Continuous improvements and state-of-the-art technology
- Highly flexible products offering high adaptability to all industrial schemes
- Robust construction ensuring maximum reliability

Phosphoric acid plant – Main units

- Reaction unit
- Filtration unit
- Concentration unit

Phosphoric acid production processes

- Dihydrate (DH)
- Hemihydrate (HH)
- Combined 2-stages

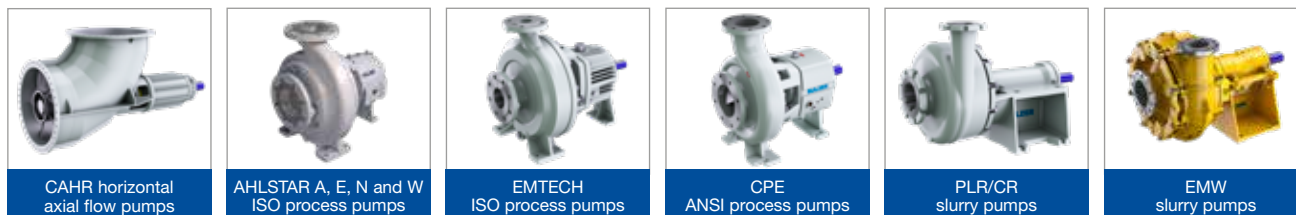
Phosphate fertilizers complex

- Water and wastewater treatment unit
- Sulfur and sulfuric acid plant
- Phosphoric acid plant
- Cooling water unit
- MAP/DAP/SSP/TSP/NPK plant
- Facilities

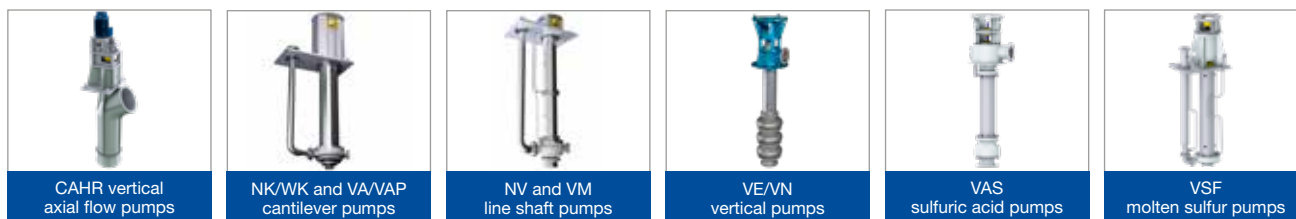
Extensive product coverage

Through a wide portfolio, Sulzer brings you innovative pumping, mixing and agitation solutions as well as services for the phosphates industry, also including energy-efficient products for industrial water treatment. High-quality materials combined with a highly reliable and efficient design ensure minimized maintenance costs and total cost of ownership.

Horizontal rotodynamic pumps



Vertical rotodynamic pumps



Specialty pumps



And many other rotating equipment and accessories, and specialized services for your industry (site inspection and analysis, overhaul, retrofit, contract maintenance).

Agitators, compressors and aerators

