

## Specialist for pumps, agitators and mixers for the phosphates industry



### Proven expertise

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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

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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

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- 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
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### Phosphoric acid plant (WPA)

- Reaction/filtration/concentration units
- Storage and clarification units
- Purified and super phosphoric acid plants

### Phosphate processing plant (fertilizer and animal feed)

- Storage/loading/unloading/transfer facilities
- Reaction and neutralization units
- Scrubbing and gas treatment unit
- Reaction and purification unit

### Auxiliary units

- Water intake and transport
- Water and wastewater treatment unit (IWT)
- Sulfur and sulfuric acid units
- Cooling water unit
- Boiler unit
- Storage and transfer 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 pump

AHLSTAR A, APP/T process pumps



AHLSTAR WPP/T wear-resistant pumps



EMTECH process pumps



SNS process pumps



CPE ANSI process pumps



MBN, MC/MD high-pressure pumps



PLR slurry pumps



EMW heavy slurry pumps



CAHR axial flow pumps



SMD, ZPP axially split pumps



## Agitators and reactor circulators

SALOMIX and Scaba vertical agitators

WPA, CAV vertical propeller circulator



## Vertical rotodynamic pumps

CAHR-V vertical axial flow pumps



VA, VAP sump pumps



VM, CVT line shaft pumps



SJT, JTS, VE vertical pumps



SJD, VNC vertical multistage can pumps



## Specialty pumps

Submersible pumps type ABS XFP, AFLX and VUPX



Submersible drainage pumps J, JC, XJ ranges



Submersible sludge pumps XJS, JS ranges



## Vacuum pumps and compressors

VRN liquid ring vacuum pumps



HST™ and HSR turbocompressors



**How can we help you?  
Contact us today to find your best solution.**

[sulzer.com](http://sulzer.com)

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