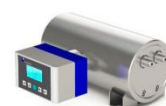
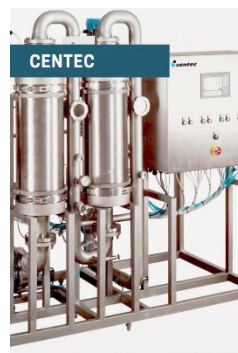


Chemical Concentration Measurement

Advantages of Centec concentration measurement by density and sound velocity for acids and multi component chemical media:

- High precision, drift-free measurements
- Immediate determination of process changes
- Installation directly in pipes, tanks or vessels
- Integrated temperature measurement to compensate for temperature drifts
- Robust, maintenance-free sensor design without moving parts
- Variety of materials (stainless steel, hastelloy, titanium, tantalum, monel)
- Analog and digital outputs or Profibus
- IP65 - ATEX explosion protection options

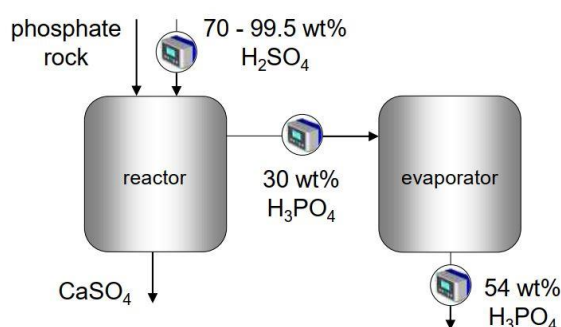


CHEMICAL CONCENTRATION MEASUREMENT

Corrosive Media - Multi Component Analysis - Reaction Monitoring

Concentration Measurement Applications

- Ammonia (NH_3)
- Nitric Acid (HNO_3)
- Ammonium Nitrate (NH_4NO_3)
- Phosphoric Acid (H_3PO_4)
- Sulphuric Acid (H_2SO_4)
- Ethanol $\text{C}_2\text{H}_6\text{O}$
- Hydrogen Peroxide H_2O_2
- Heat Exchanger Monitoring
- Multi Component Analysis
 - Methanol - Formaldehyde - Water
 - Caustic Soda - Sodium Chloride - Water
 - Caustic Soda - Propanol - Water
 - Hydrochloric Acid - Iron - Water
- Gas Scrubber and Neutralization columns: NaOH - NaCl (KOH)
- Reaction Monitoring: Polymerization, Crystallization, Mixing



[Download PDF Concentration Measurement in the Chemical Sector](#)