



sera®

The sera group

Presented by sera DoseTech SA

The sera group...



- consists of the companies:
Seybert & Rahier GmbH + Co. Betriebs-KG
sera ComPress GmbH
sera ProDos GmbH
sera International GmbH
sera Dosing UK Ltd. (England)
sera DoseTech SA [PTY] Ltd. (South Africa)



- is a independent, privately owned company
- is now being run by Graduate Industrial Engineer Carsten Rahier (MBA), a member of the third generation of the family, and Graduate Engineer Carsten Stehle (MBA)
- is developing customized product and system solutions in the field of dosing and compressor technology for a wide range of trades and innovative industries
- is a leading manufacturer of dosing pumps, dosing systems and diaphragm compressors
- has more than 30 representative offices worldwide, as well as subsidiaries in the United Kingdom and South Africa

Trade / branch of industry: Machine and plant manufacture

Founded (year): 1945

Percentage exported: more than 50 %

Number of employees: more than 220

Product range:

- Dosing units and systems of standardized construction or made specifically to customer requirements, for almost all chemicals
- Diaphragm dosing pumps, solenoid diaphragm pumps, multilayer diaphragm pumps, piston diaphragm pumps and air driven diaphragm pumps
- One to three stage metal diaphragm compressors for the oil- and contamination-free compression of high-purity gases
- Measurement, control and regulation technology
- An extensive range of fittings and accessories

(Quality) certificates:

ISO 9001:2008, Specialist qualification according to German Water Resources Act, Confirmation on quality assurance in accordance with KTA 1401 of the VGB PowerTech



- 1945** – Foundation of the “Seybert & Rahier OHG” by Reinhold Seybert and Hubert Rahier
- 1948** – Production of the first diaphragm pump for aggressive and abrasive fluids
- 1952** – First foreign distribution partners in Europe (NL, A, CH, N)
- 1958** – **sera** builds the first single-stage metal diaphragm compressor
- 1972** – Enlargement of the compressor range to 2-stage units, horizontal vacuum compressors, oxygen compressors and special compressor designs for power plants
- 1994** – **sera** becomes one of the first DIN EN ISO 9000 certified companies in Northern Hesse
- 2002** – Successful change of the quality management system to ISO 9001:2000
- 2003** – Graduate Industrial Engineer Carsten Rahier (MBA) takes over the management in 3rd generation
- 2006** – Foundation of **sera Dosing UK Ltd.** in Lincolnshire, England
- 2010** – Successful change of the quality management system to ISO 9001:2008
 - Foundation of **sera DoseTech [PTY] Ltd.** in Johannesburg, South Africa
 - Foundation of the subsidiaries **sera ProDos GmbH** and **sera ComPress GmbH**
- 2011** – **sera** invests several million euros in the expansion and modernization of the production site in Immenhausen

Holding

**Seybert & Rahier
GmbH + Co. Betriebs-KG**

Subsidiary

sera ProDos GmbH

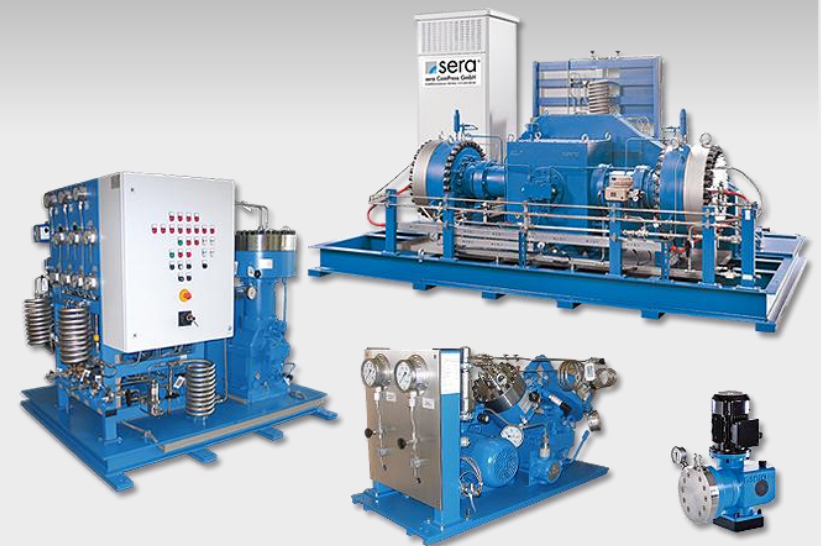
System supplier for dosing technology



Subsidiary

sera ComPress GmbH

System supplier for compressor technology



Launched in January 2010, as a subsidiary of the German-based **sera** Group, **sera DoseTech SA** quickly gained recognition as a competent supplier of chemical dosing systems and equipment.

The objective of establishing a Centre of Competence for Southern Africa is driven by the fact that there are many **sera** installations scattered throughout this region that will benefit from a centralised service and training facility based in South Africa and which will also assist in the future development of business in the region.

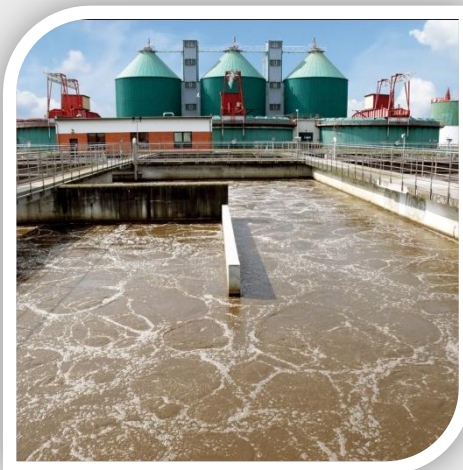
sera DoseTech SA provides a full customer care support service for dosing pumps supplied over the past 30 years including support for the many compressors also installed in South Africa.

Comprehensive parts stockholding and workshop service facility are a key aspect of the operation.

Furthermore **sera DoseTech SA** has implemented an in-house training school aimed at creating awareness of liquid dosing technology principles and fundamentals for the correct installation and maintenance of dosing pumps and their associated equipment.



Wastewater treatment



- Phosphate precipitation
- Sludge treatment
- Digester gas desulfurization
- Flocculation
- Final sedimentation with simultaneous precipitation agents
- Defoaming and pH-adjustment

Food industry



- Dosing of flavorings and additives
- Wastewater treatment
- Water treatment
- Biofilm removal in pipelines
- Disinfection

Beverage industry



- CIP Cleaning
- Disinfection
- Wastewater treatment
- Water treatment
- Dose of syrup flavors and additives
- Biofilm removal in pipelines

Brewing industry



- Brewing water treatment
- Dosage of diatomaceous earth for beer filtration
- Disinfection
- Biofilm removal in pipelines

Chemical / Petrochemical



- Feeding and dosing of aggressive and neutral fluids in chemical processes
- Dosage of additives for fuel oil, diesel and lubricating oils
- Air separation
- Hydrogen recovery and fuel gas treatment

Gas industry



- Gas cleaning, gas separation and gas decanting
- Gas production and gas bottling
- All applications with high demands on purity and absolute gas tightness

Hydrogen filling stations



- Compression of hydrogen for the refueling of vehicles with fuel cell

Laboratory technology



- Dosing of corrosive, abrasive, toxic and neutral fluids in chemical processes
- Production of electrolysis units
- Gas cleaning

Agricultural industry



- Fodder conservation
- Water treatment (eg washing water for salad and vegetable cleaning)
- Dosage of feed additives

Metal processing



- Feeding and dosing of acid, lye and mordant
- Wastewater treatment
- Dosing of conveyor lubricant

Renewable energy



- Biogas compression
- Hydrogen sulfide removal (Odour elimination)
- Water treatment

Conventional energy



- Natural gas storage
- Cooling of turbogenerators using helium or hydrogen
- Methane gas accumulation
- Recovery and purification of gases
- Reactor feeding

Pulp and Paper



- Paper bleaching with chlorine dioxide
- Wastewater treatment
- Dosing of conveyor lubricant and additives

Ship building



- Dosing of various chemicals (eg for corrosion protection)
- Ballast water treatment
- Drinking water disinfection and legionella elimination

Building services engin.



- Pool water treatment (water hardness, pH, chlorination, etc.)
- Legionella elimination
- Wastewater treatment

Color & printing industry



- Addition of dispersion coatings for surface sealing
- Dosing of paints, inks and additives

Power plant technology



- Cooling water treatment,
- Boiler feed water treatment
- Elimination of algae and organisms (biocide dosing)
- Exhaust gas cleaning
- Alkalinization

Textile industry



- Textile dyeing in the cold pad-batch process
- Disinfection
- Wastewater treatment

Mining



- Water treatment and wastewater treatment
- Heavy metal precipitation

Dairies



- Disinfection and CIP cleaning
- Biofilm removal in pipelines

- Optimal product solutions due to customer-oriented engineering
- Extremely short delivery and response times
- A maximum adherence to delivery dates and flexibility
- Durable robust products of highest quality
- High innovative strength due to CIP and internal R&D
- Excellent cost/performance ratio
- Newest manufacturing technology and high quality standards
- Dedicated and highly trained employees
- Extensive service
- Broad technical know-how
- Modern logistics principles: KANBAN, just-in-time, process management
- Worldwide distribution and service network



Two foreign branches and 30 fixed representatives worldwide in more than 80 countries



References



HEIDELBERG

DAIMLER

Linde

ALSTOM

RWE



Lurgi



Tetra Pak



EISENMANN



e-on

NETZSCH



KRONES

P&G



GEA

KIESELMANN
TECHNOLOGIE UND KNOW HOW IN EDELSTAHL

Temafa



Coca-Cola

Gütling
WASSESTECHNOLOGIE

KHS

SIEMENS

Continental

HAGER+ELSÄSSER

KBA

STH
Engineering
G m b H

wintershall

DR. WEIGERT
Ihr Partner für Reinigung und Desinfektion

LIKUSTA
Umwelttechnik GmbH

NOVARTIS

STRASSBURGER
FILTER

ZIEMANN
ZIEMANN GROUP

Dosing and feeding pumps



- Solenoid diaphragm pumps
- Diaphragm pumps
- Multi-layer diaphragm pumps
- Piston diaphragm pumps
- Combination diaphragm pumps
- Feeding pumps
- Piston pumps
- Air driven diaphragm pumps

- Extensive range of accessories



Dosing units and systems



- Dosing systems in horizontal and vertical construction
- Mobile dosing units
- Preparation units
- Compact dosing units
- Proportional dosing systems
- KKV Dosing systems
- Chlorine dioxide generators
- Siphon and storage systems
- Feed tanks

- Extensive range of accessories



Electric agitators, fittings and accessories



- Electric agitators
- Relief and pressure keeping valves
- Pulsation dampers
- Suction lances
- Non-return fittings/Injection fittings
- Shut-off valves and multifunctional valves
- Fittings for pump inlet side
- pH-, Redox- and Chlorine measuring
- Dosing valves
- Flow meters
- Line strainers

Metal diaphragm compressors



- Single-stage, vertical configuration
- Single-stage, horizontal configuration
- 2-stage, V-configuration
- 2-stage, vertical configuration
- 3-stage, vertical configuration
- PLC programming
- Individual circuit diagram design
- Complete one-step engineering
- Extensive range of accessories



Pre- and After-sales service



- On-site installation and commissioning
- Repair service
- Quick spare part service
- Pump and system inspection with condition report
- Service hotline
- Technical Support
- Customer training



Thank you for your attention!

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