

How SEKO works for You

From the spark of an idea, through to the delivery of a solution, SEKO is with you all the way

SEKO supports its customers in every phase of a project, from the inception of an idea or request, through design and testing to launch and installation. Our in-house research, design and development teams work closely with the local teams, drawing on customer and market inputs. Then using state-of-the-art technologies to optimize costs and using our own specifically designed test benches to ensure rigorous, robust testing, we ensure a quality solution is delivered quickly to market.

No matter which processes and applications are planned SEKO has a solution in the cleaning and hygiene of kitchens and laundries and surfaces of all types in applications like **Offices and Restaurants, Hospitals and Hotels, Retailers and Schools, Car Washes and Swimming Pools, Cooling Towers, Energy, Food & Beverage, Water & Gas Utilities Potable and Waste Water Treatment.**

Partnership philosophy

Being a privately-owned business means that we are here for the long term and can plan projects with and for our Customers, where both parties benefit. It means we can rapidly take decisions to invest our resources to ensure our optimum solutions are delivered.

Your Business, Our Solutions

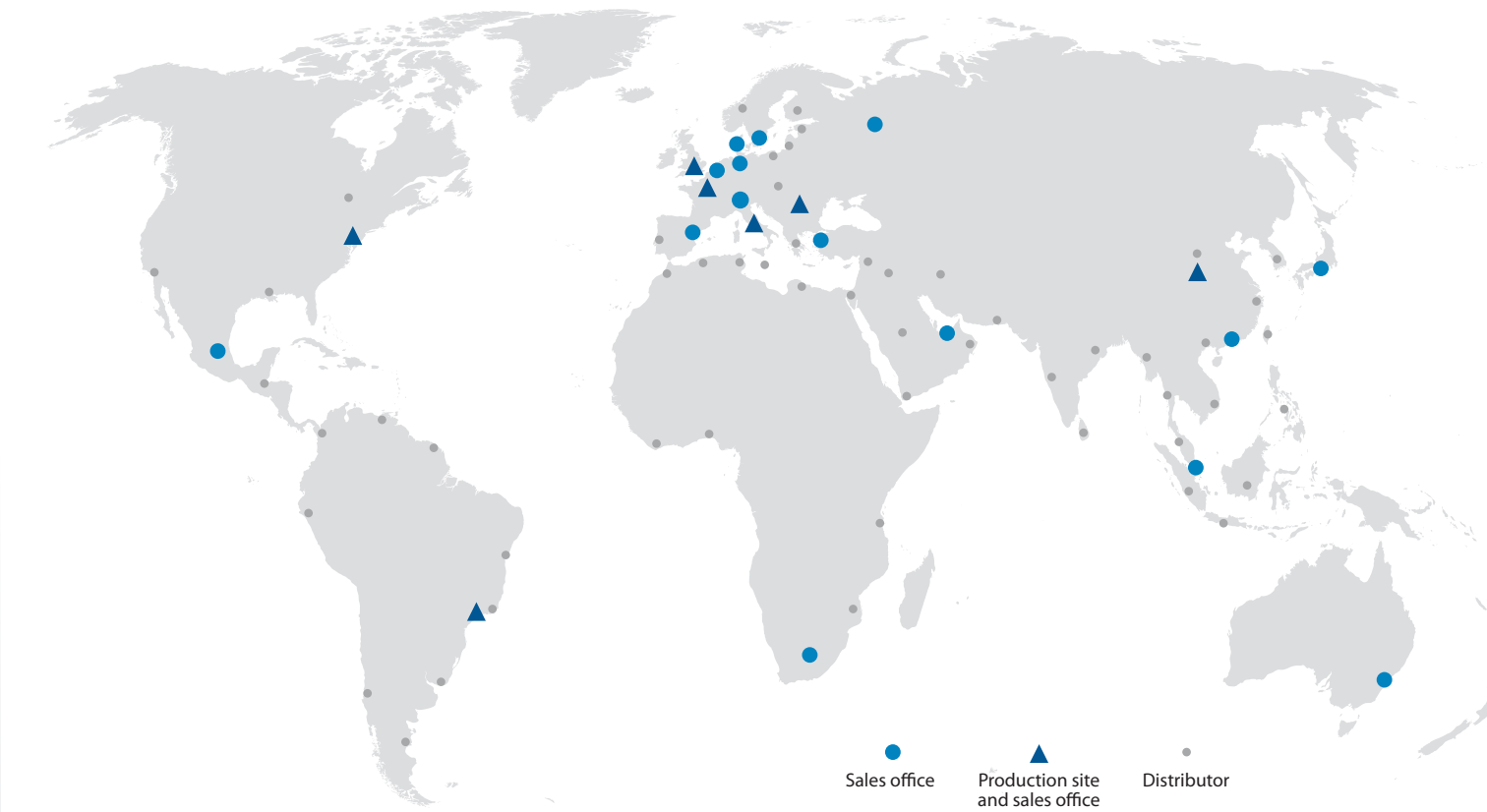
Our extensive product range represents a unique combination of design, development and implementation know how. With a wide and ever evolving range of products and ancillaries, we can offer specific and comprehensive solutions for a variety of industrial applications. Our solutions are conceived to fit seamlessly into your operation, optimizing the processes and applications.

Uniquely positioned

SEKO's 3 business units, Cleaning & Hygiene, Water & Industry and Industrial Processes puts us in a unique position to be able to respond to the widest range of business needs, with a broad range that allows you the Customer to deal with just one company, simple.



PolyCendos Effective polymer metering



Globally Present, Locally Active

A Worldwide Group at your service

Our Global presence ensures that we can support our Customers wherever they are. Supported by teams in over 20 countries, as well as by our accredited Partner Distributor network, we ensure professional, local customer support in over 120 countries, with the added benefit of rapid delivery of goods to meet your needs.

All this backed up and supported by a world-class team of Technical Customer Service, able to provide all the back up or technical support needed. With ISO certificated production sites in Europe, the Americas and Asia, we are close to our customers and fully compliant with all local norms both in terms of our product designs as much as our production facilities.

Your Choice, Our Commitment

In the modern Globalised world, being a privately owned Company has significant benefits especially for our Customers, our Partners. For over 40 years, SEKO has developed a Global organisation able to take the longer view, manage the pressure of the now, and to plan for the long term, delivering true Partnership for our Customers, with transparency and mutual respect for each other.

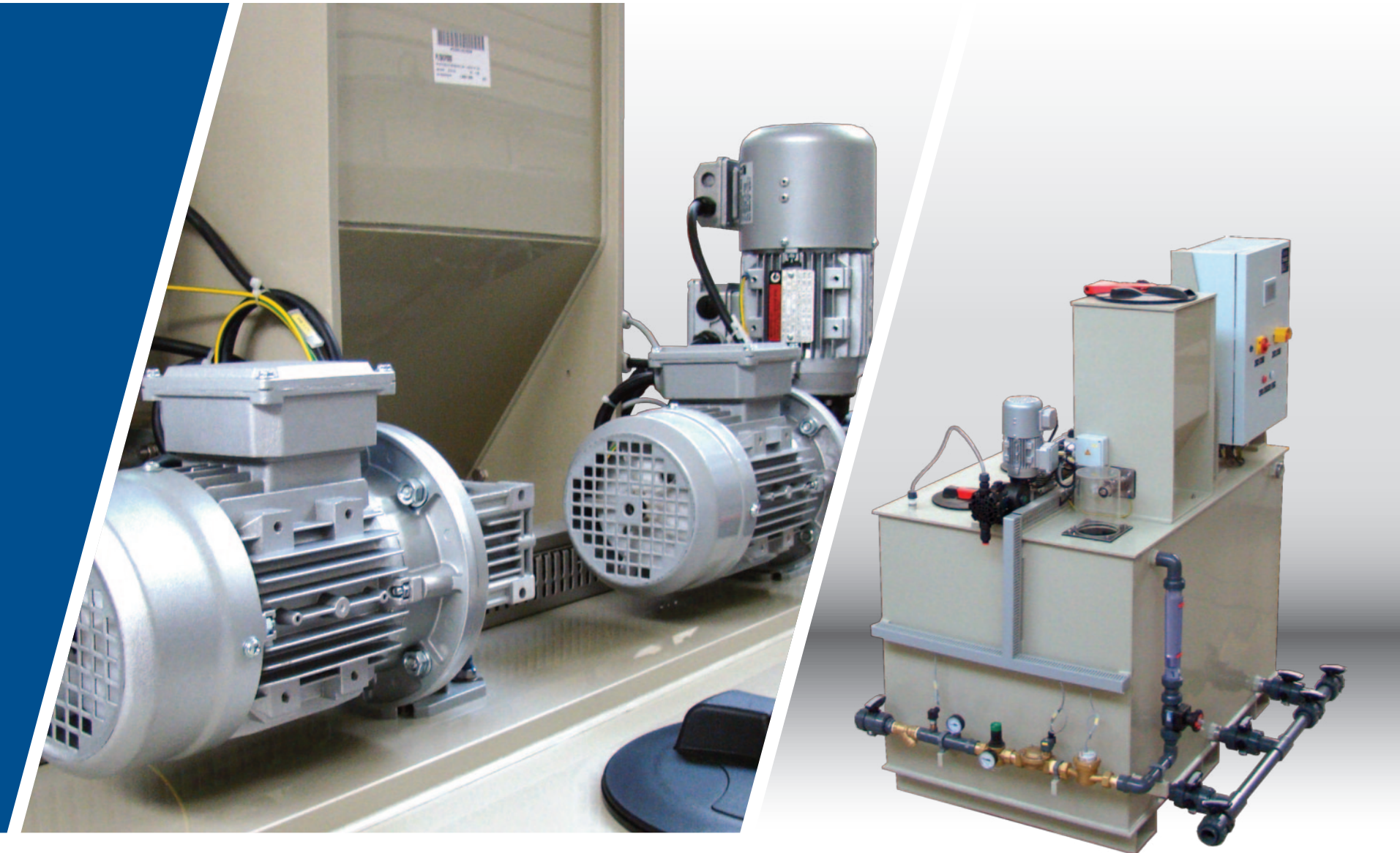
Whether it's for our reknown flexibility, our attention to detail, the high-quality products, or just the way we do business, we understand that it's Your Choice to do business with us. It is Our Commitment to fulfill your needs wherever you, our Customers are.



For more information about our portfolio, worldwide locations, approvals, certifications, and local representatives, please visit www.seko.com

As part of a process of on-going product development, SEKO reserves the right to amend and change specifications without prior notice. Published data may be subject to change.

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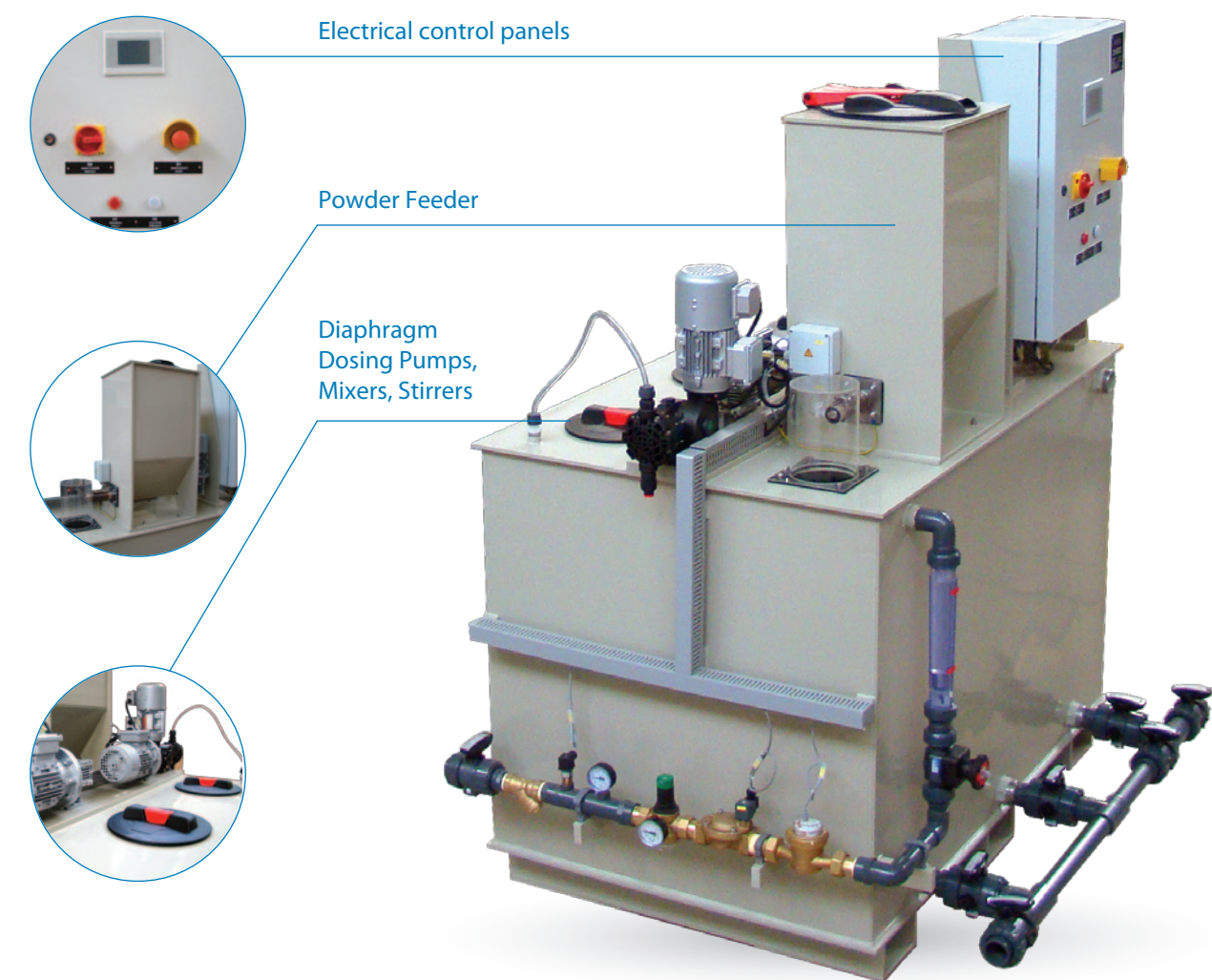
Your Choice, Our Commitment

PolyCendos

Effective polymer metering

Triple continuous flow system is designed as a batch flocculation aid for the preparation of polymer solutions featuring a storage tank subdivided into three chambers. **6 models to choose from to fit every application need.**

- Processing of **liquid polymer (0.05–1.0 %)** and **powdered polymers (0.05–0.5 %)**
- Minimal product carry-over
- Extraction of the polymer solution and drainage of the chambers via the front of the storage tank
- User-guided input of the solvent concentration as well as calibration of the powder metering unit and liquid concentrate pump
- Optional PIC Programmable logic
- Controller with **PROFIBUS module**
- Version with terminal box available on request
- **Extraction rate up to 8000 l/h**



SEKO's PolyCendos Series has been specifically designed to provide effective solutions to the needs of Water Treatment Customers.

The **PolyCendos family offers a complete range** of polymer preparation systems. Covering all the most common application needs where polymer solution preparation is required, focused on being easy to install and maintain, with features designed to optimize costs throughout the process.

A complete range of polymer batching and metering systems.

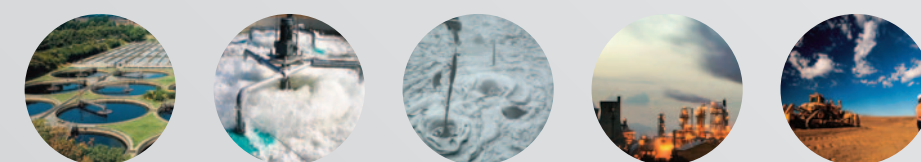
The polymer preparation unit automatically prepares polymer solutions which are used as coagulants for the eventual removal of suspended particles in the water treatment processes of a number of applications from swimming pool maintenance through to the various stages of wastewater treatment, as well as oil recovery, colour removal, paper production and mineral processing.

The PolyCendos family comprises 6 models offering up to 16000 l/h of polymer solution. The range also comes with a variety of electrical control panels, mixers, diaphragm pumps and tank sizes to offer an optimum solution for every application. Its design also means that PolyCendos offers flexible and compact footprint solutions to fit even confined spaces.

Applications

Using polymers and flocculants considerably facilitates the processes of removing particles and solids suspended in liquid in the following applications:

- Treating potable and industrial processing water
- Purifying waste water
- Treating sludge, in order to improve the performance of centrifuges and filter presses
- Processes for the paper, chemical, petrochemical, mineral processing, canning industries



Construction characteristics

The following are the key elements used in the construction of the PolyCendos range.

- An automatic water supply system comprising a shut-off valve, filter, safety pressure switch, pressure gauge, pressure reducer valve, solenoid valve, water meter with pulses, control valve, flow meter (with flow switch for minimum level flow rate) and special dispensing nozzle (for units that work with powder polymers).
- Tanks made entirely in PPH, with inspection covers and emptying valves for each chamber.
- Customized mixers, optimized to ensure a homogeneous mixture, are made of stainless steel.
- Batching screw made entirely of stainless steel, with batching adjustment managed using a precise speed regulator.
- Electrical protection and control panel, with built-in buttons and controls or touchscreen panel, designed for manual/automatic operation and equipped with emergency stop and wiring to all system components.
- Conductivity level probes for high, low and very low levels with emergency light warning.
- Separate safety level switch for overflow levels (General Fault alarm warning).

Optional equipment

- Automatic powder hopper loading.
- Minimum level probe in the powder hopper.
- Stirrer in the batching tank.
- Vibrator for hopper.
- Prefabricated post-dilution systems.



Function

The polymer preparation tank is divided into three chambers: dissolving (V1), maturing (V2) and storage (V3), interconnected by siphons that form a perfect flow between the chambers necessary for the formation of high quality solution.

The dosed polyelectrolyte comes into contact with water. The water/polyelectrolyte mixture then drops into the tank below where the dissolving phase begins. In this first chamber V1, a slow agitator keeps the contents of the tank moving ensuring thorough homogenization of the solution. The siphon transfers the solution to the maturing chamber, V2, where another slow agitator keeps the solution uniform until maturing is complete. Then the solution is transferred to storage chamber V3 from where it can be transferred for use.

The level switches installed in this final chamber control the automatic functions:

Max and normal level: when the solution reaches the maximum level, this switch stops the powder dosing unit / liquid polymer dosing pump and closes the water inlet solenoid valve. Whilst level is normal, the switch enables the dosing unit to function and opens the water solenoid valve.

Minimum level: when the solution falls to minimum levels and below, this switch stops the dosing pump and sets off an alarm indicator on the electrical control panel.

Overflow level: when the solution reaches the overflow point, this switch stops the powder dosing unit/ liquid polymer dosing pump and closes the water inlet solenoid valve preventing delivery of mixed polymer solution to the drain.