Advanced Engineering Solutions

Dosing and Control Technology



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Company Profile

In 1997, P&P Dosiertechnik was founded by Ralf and Markus Peters with the aim of manufacturing systems for the make-up and dosage of flocculants for industrial and municipal applications. This idea developed rapidly and the company began to grow. In 2001 due to increasing demand and the requirement for enhanced manufacturing the company relocated to its present site in Alpen on the Lower Rhine.

Since then the company has continued to expand.

P&P is an innovative company. We use state-of-the-art technology in all process steps involving planning, engineering and manufacture. All of these process steps are conducted inhouse. Our team comprises highly qualified individuals with longstanding experience in their respective areas. They are essentially involved in the company's success.

Our reliable, innovative and customised products make P&P a medium-sized company with a world-wide field of operation. We are supported by well-known international partners in engineering and chemistry. Being compact and flexible, P&P is also an ideal partner for large companies.

We are proud of having been able to preserve our familiar values even through globalisation and modernisation. Our flat hierarchical structure is important for a smooth process and ensures simple communication inside the company. In this way, we guarantee the provision of target-oriented and optimum solutions to the tasks entrusted to us.

Right from the start, our company's philosophy was:

We are not satisfied until you are!



Development and Manufacture

Complete solutions thanks to a one-source policy:

We offer perfect solutions thanks to our in-house design process comprising:

- Development
- Manufacture
- Assembly
- Aftersales Service

- Engineering
- Sales
- Commissioning
- Repair & Maintenance Service

Experienced engineers and process specialists always deliver the right customised solutions.

P&P utilises up-to-date CAD systems with state-of-the-art and innovative manufacturing processes.

The complete monitoring and control technology is designed and implemented according to our customers' specifications.

Manufacture, assembly and factory acceptance test runs take place in our integrated workshop and testing facilities.

On-site commissioning and comprehensive training of the customer's personnel can also be included in our service.

We commit ourselves to offer complete and optimum solutions right from the beginning in order to develop solutions to support your ideas.

Benefit from our many years of expert knowledge!





Sustainability and Responsibility

Protection of the environment is a matter that concerns all of us. Being an innovative company, P&P assumes full responsibility for combining economy and environmental protection.

P&P's research and development department aims for the design of "intelligent" equipment, which automatically calculates the actually required amounts of polymers and optimises their use within the process.

This technology allows for the reduction of polymer consumption and the increase of solid particle separation efficiency. This saves money and protects the environmental resources.

"Green Logistics"

P&P has a local network of skilled and qualified suppliers. We always try hard to keep our supply chain as short as possible in order to minimise CO2 emissions.

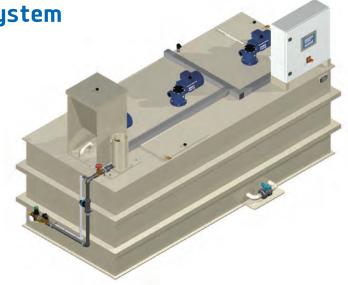


Three-chamber cross flow system

PD Series / horizontal design

Make-up unit for solid and liquid polymers Optimum maturing time with continuous provision of an accurately concentrated solution.

Standard units from PD 500 to PD 12000 with 1.0 - 60.0 kg active substance per hour





Two-chamber batch system

PC Series / horizontal design

Make-up unit for solid and liquid polymers Fully automated control of the make-up process Extraction of accurately concentrated solution from one chamber while solution is simultaneously being made up in the second chamber.

Standard units from PC 500 to PC 6500 with 1.0 - 32.5 kg active substance per hour

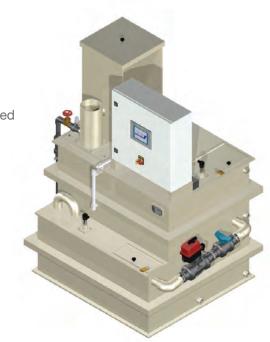


Two-chamber batch system

PCD Series / vertical design

Make-up unit for solid and liquid polymers with fully automated control. With the two chambers being arranged one on top of the other, the on-site space requirements are considerably reduced.

Standard units from PCD 250 to PCD 2000 with 1.25 - 10.0 kg active substance per hour





Single-chamber batch system

PowderMax Series

A specially developed make-up technology allows reduction of the maturing time of powder polymers to an absolute minimum. The innovative single-chamber technology reduces the space requirements of this unit.

Standard units from PowderMax 30 to PowderMax 60 with 30 - 60 kg active substance per hour



Three-chamber cross flow system

PDF Series / horizontal design

Make-up unit for liquid polymers Optimum maturing time with continuous provision of an accurately concentrated solution.

Standard units from PDF 500 to PDF 4000 with 5.0 - 40.0 kg active substance per hour





Two-chamber batch system

PCF Series / horizontal design

Make-up unit for liquid polymers
Fully automated control of the make-up process
Extraction of an accurately concentrated solution from
one chamber while solution is simultaneously being
made up in the second chamber.

Standard units from PCF 500 to PCF 4000 with 5.0 - 40.0 kg active substance per hour



Two-chamber batch system

PCFD Series / vertical design

Make-up unit for liquid polymers with fully automated control. With the two chambers being arranged one on top of the other, the on-site space requirements are considerably reduced.

Standard units from PCFD 500 to PCFD 2000 with 5.0 - 20.0 kg active substance per hour





Two-chamber cross flow system

FWA Series / horizontal design

Make-up unit for liquid polymers Small space and power requirements

Standard units from FWA 300 to FWA 12000 with 3.0 - 120.0 kg active substance per hour



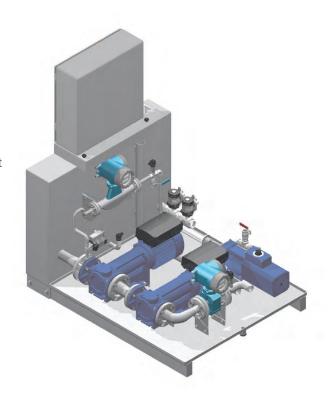
Inline unit for liquid polymers

PolyMix Series

Inline unit for liquid polymers with highly accurate product preparation and immediate dosage without the need of adhering to any maturing times. This unit does not require a separate tank.

Standard units from PolyMix 2000 to PolyMix 20000 with 2 - 200 kg active substance per hour





Make-up unit for liquid polymers

DynaMix Series

This unit design allows a space-saving installation. Optimum mixing of the polymer solution for storage in an external on-site tank.

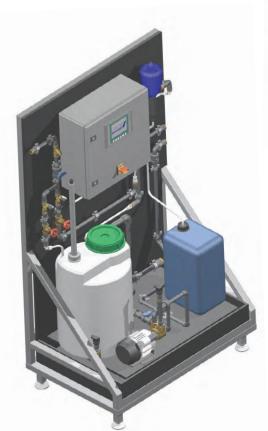
Standard units

from DynaMix 1000 to DynaMix 9000 with 10 - 90 kg active substance per hour

Plug & Play: Chemical dosing systems

Plug & Play series / Disinfection units

Plug & Play units for disinfection of process water with variably adjustable mixing ratio of various chemicals.





Plug & Play series / BIOS

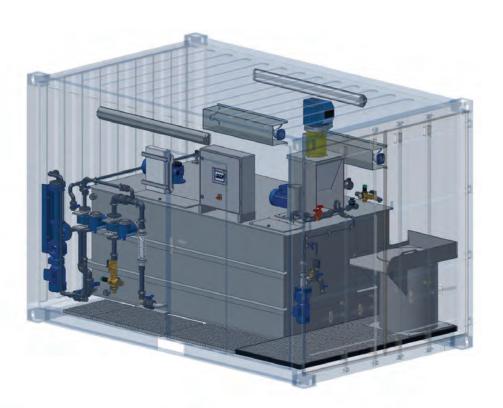
Biocide make-up unit for continuous production of a highly-efficient biocide solution inside a closed mixing system with online dosage.

Our special solutions: Containerised systems

Plug & Play series

All our units are also available as containerised systems allowing for a flexible and mobile use even under challenging conditions. Containerised units are equipped with all necessary pipework, controls, lighting and heating. Optionally insulated.

Standard units 10, 15, 20 and 40ft - container



15ft container

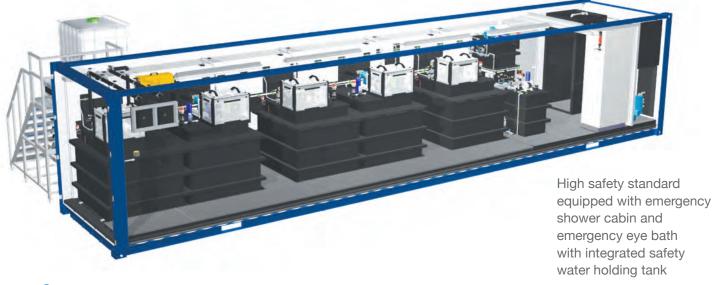
Combined powder and liquid polymer system PD 4000FC including powder handling, dosing pump, redilution system





20ft HC container

Combined powder and liquid system PC 2000FC insulated version



40ft container

Storage, dosing and handling of five different chemicals insulated version



Dosage of additives

Well suited for all industries

Compact units of modular design for dosage of additives The fully automated control and state-of-the-art measurement technology ensures that every point of application within the paper production process is provided with the precise quantity of additives.

Nanoparticle dosing unit

Continuous production of an accurately concentrated solution
The unit is equipped with diaphragm pumps, MIFs, static mixers, pressure-holding valves, and all other important components.

Control and operation are by PLC control and a touch display.



Unit for continuous dosage of a surface sizing agent

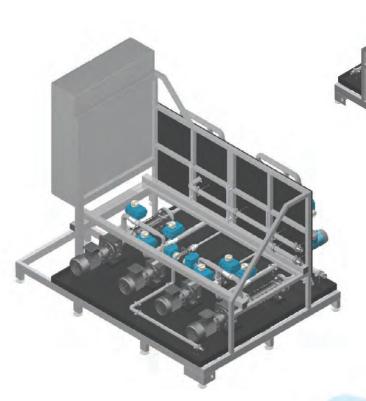
including diaphragm pumps, double filter, overflow valves fully-automated operation by PLC control with touch display

Dosing unit with two separate dosing lines for the dosage of additives

Each dosing line is equipped with two progressive cavity pumps with different flow rates. The dosing unit is completely controlled and operated by PLC control and touch display.

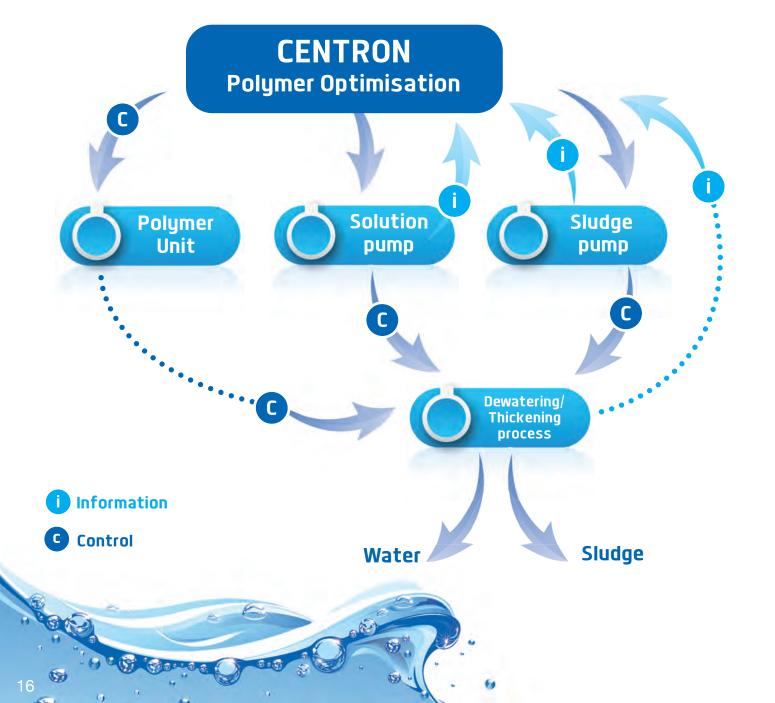
Determination of the flow rate of every pump via MIF All pumps are protected against running dry and overpressure.

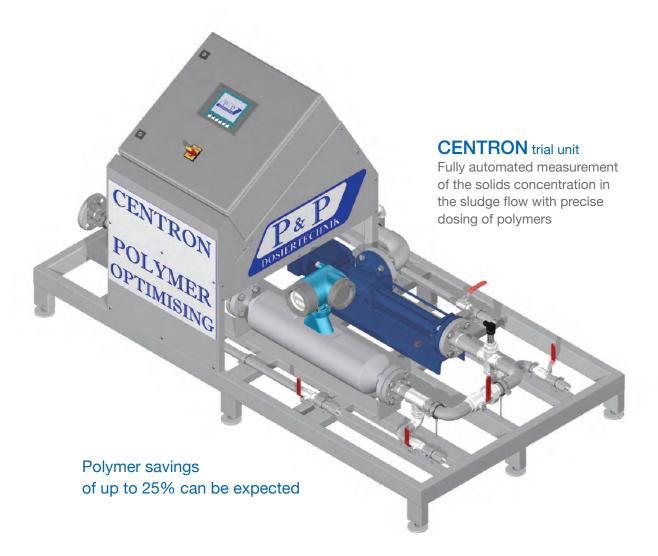
Every dosing line can be rinsed separately.





Fully automated dosing system for optimisation of the polymer consumption thanks to solids-proportional dosing.





Our service for you:

- Optimum solutions for your requirements
- Customised project planning and implementation
- Manufacture, assembly and final factory tests
- In-house programming of the PLC control
- Installation and maintenance by our specialist personnel
- Detailed documentation for every unit
- Reliable and long-term solutions
- Extensive customer service
- Storage of spare parts for short-term supply



We are your strong partner

Our highly motivated and competent team is fully committed to the realisation of your ideas. We develop the optimum system to satisfy your requirements, keeping both the goal and the quality in mind.

Prior to dispatch, every single unit is subject to an extensive factory test. This is one step in our in-house quality management that guarantees consistent high quality in our products!



We are not satisfied until you are!







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