

ACAT TECHNOLOGY

„Dosage Equipment is our Success“

Our operating site in Scheibbs is primarily an internal service centre. Its tasks are the production of Ecosorb and Skyvell, the construction and assembly of dissolving and dosing stations on behalf of the respective divisions, and the servicing of the equipment and machines we are supplying.



FOTOS: CHRISTINE NESTLER-KENZIAN

In the years 1998 to 2000, ACAT was looking for a location to integrate the existing logistics, into the company, which were completely outsourced. From there service and installations on site should be supported by the technicians. In 2000, the time had come: a former printing plant was acquired in Scheibbs, Lower Austria, and adapted to our requirements. In the past 22 years, an extension followed to create office space and in

2021 the factory premises was extended by a further warehouse and production hall. Polymer dissolving stations, bentonite make up units, pump stations and various dosing stations are manufactured in the technical and production centre in Scheibbs. Also the associated control systems and switch cabinets are planned, built and programmed in-house. The experience of our field staff in the application of our products flows into the con-

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tinuous further development. Powder polymer systems are basically differentiated by the wetting technology used: the jet-wet and the disperser technology. Both types have been optimised to achieve perfect wetting and an optimal dissolving result. The control system currently used for the latest systems is a Siemens PLC (S7-1200). The units can also be supplied without a control system for the integration into a PCS system. The difference between the two systems of powder polymer units is the wetting technology of the powder polymer. In the disperser technology, the powder is conveyed directly into the disperser via a screw and wetted with water. The solution is then dissolved in the tank with a stirrer. This technology is often used in municipal wastewater treatment plants.

In recent years, however, Jet-Wet technology has taken the lead also in the field of wastewater treatment. In the Jet-Wet technology, the powder polymer is fed into a venturi with a screw (volumetric quantity measurement) and the powder is blown into the Jet-Wet head with a fan. The fine distribution of the powder and the special arrangement of the nozzles ensure even a better and more effective wetting of the powder with water. The necessary maturation takes place in a storage tank. Then the polyelectrolyte solution is pumped from the solution tank into the storage tank with a transfer pump. We also offer a system for liquid polymers. It is based on a high-energy mixing unit in which the liquid polymer is activated with water.



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After overflowing into the storage tank, the solution can be added in the final process by the means of dosing pumps. On request, this system can also be integrated into powder polymer systems and operated as a combination system. A maximum concentration of the polymer solution of approx. 1.0% must be observed for all systems. The polymer feed can be selected in different variants, with big bags or sacks. Special dosing systems can also be added to the preparation units to enable the dilution to the desired polymer concentration and a good dosing.

Depending on the application, pump stations of all types and designs are available. Our competent team consists of very experienced technicians, some of whom have been working with these systems for 25 years, and young engineers who bring in new ideas for further innovations. The strength of this team lies in the individual development and adaptation of the units to customer requirements. Our sales and plant engineers are always at your disposal for more detailed information.