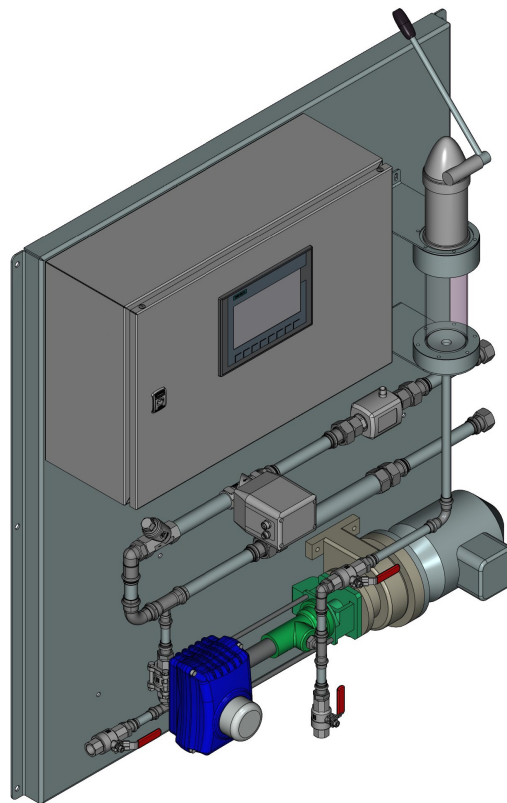


Polymer Inline System

„Liquid“, Type WID 2000



Features

- Automatic polymer preparation system for liquid polymers, regardless of the manufacturer
- Production of the Polymer in "inline" process
- Very compact structure, suitable for small rooms
- Accurate and consistent solution concentration
- Low maintenance with static mixer
- Fully automatic and manually operable
- **Extremely simple commissioning and operation**
- Various designs and many options

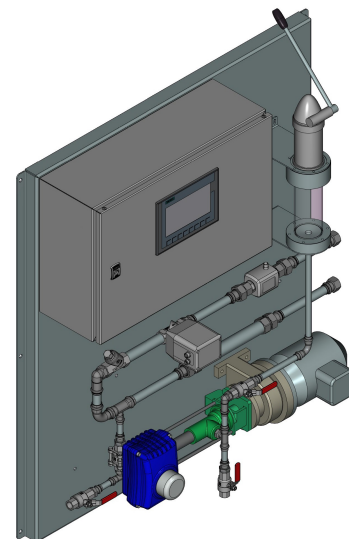
Technical description and process

The polymer inline system unit type **WID 2000** was developed to enable controlled preparation of liquid polyelectrolytes in water. The unit is suitable for all types of polymers and is therefore manufacturer-independent. The preparation concentration can be adjusted within a wide range. A wide range of concentrations can be run.

The liquid polymer is sucked out of the container by an infinitely variable eccentric screw pump and conveyed to the static mixer. The required amount of water is automatically controlled depending on the preparation concentration. In the static mixer, mixing then takes place in an inline process. The compound thus dissolved is then transferred to the optional receiver tank or to your existing receiver tank to achieve maturation and the associated 100% activation and efficiency.

The **WID 2000** polymer preparation plant is designed for fully automatic operation. Of course, it can also be operated manually. Due to the few mechanical components, the plant requires low maintenance. Long-term availability is guaranteed.

The basic version of the polymer preparation unit type **WID 2000** is built for wall mounting. The standard version is primarily intended for stationary operation.



Areas of application

The waterprocesstec polymer inline system unit **WID 2000** is used in waste water technology, in sludge dewatering, in the treatment of drinking and service water as well as process and circulating water. Many other areas of application in the chemical industry, in power plants or in the paper industry are possible. If you have any questions, we are at your disposal.

Technical Data

Electrical Connection

Supply Voltage 3 x 400VAC + N+ PE / 50Hz
Power Input 3 x 10A

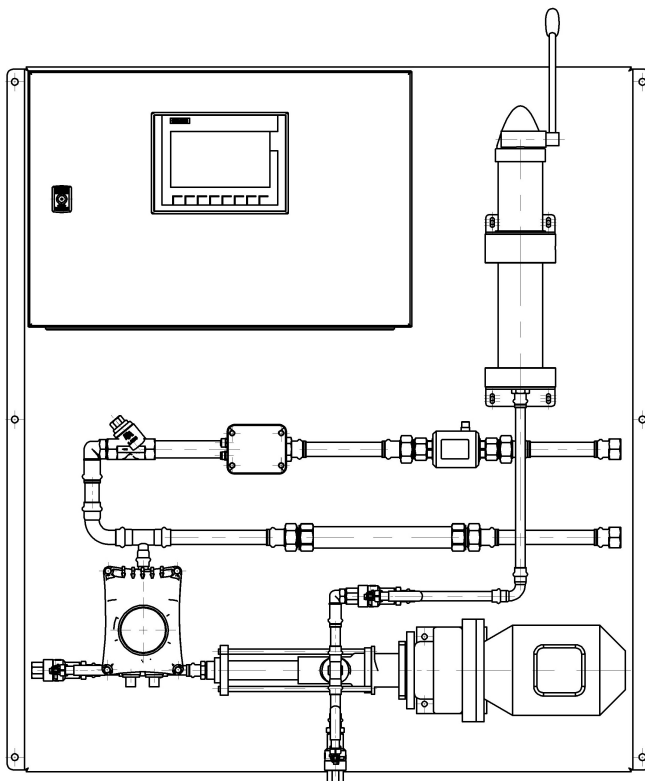
Electrical components

Siemens PLC S7
Siemens Touchpanel 7"
Siemens control cabinet components
Toshiba Frequency converter or similar
Bürkert regulation valve
Netzsch pump, design see order-code
END-Armaturen electrical ball valve
Endress & Hauser flow meter Picomag

Mechanical Connection

Design see Order-code

Technical drawing



Mechanical structure and arrangement of the components

Order-code WID 2000-...

Material Pipe

-1 Stainless Steel 1.4301

Diameter pipe and water connection

-A 1/2" Zoll
-B 3/4" Zoll

Design installation

-W Standarddesign Wallinstallation
-M with machine base frame for free standing
-H with ring eyes for hanging up on building sites o.ä.

Design Dosing pump

-1 Flow rate 0,2...2 l/h, only 1/2" pipe
-2 Flow rate 0,5...5 l/h, only 1/2" pipe
-3 Flow rate 2...20 l/h, only 3/4" pipe
-4 Flow rate 3...30 l/h, only 3/4" pipe

Options (Several possible)

-0 without more options
-A with flow sensor to monitoring the polymer
-B IBC receiving tank 1000 Litre
-C IBC receiving tank 1000 Litre incl. continius level measuring, visual on touchpanel

Important Info:

Of course, other configurations are also possible, such as larger or smaller systems, decentralised installation, stand mounting on a rack, etc.
Talk to us and together we will find the ideal system for you.