



Design configuration, example 1: Dosing unit for polyaluminium chloride (PAC) with robust piston diaphragm dosing pumps model FKM, built-in a protective cabinet, with weather protection roof.



Design configuration, example 2: Dosing skid for floor mounting, suitable for the installation of progressive cavity pumps, for dosing of polyelectrolyte solution. Completely pre-assembled with control cabinet for operation and monitoring.

DOSING STATIONS

Tailor-made solution. Accurate Dosing. Customised dosing units.

- **Dosing of flocculation agents, polymer or polyaluminium chloride for the removal of suspended solids** | Design configuration, examples 1 and 2

The dosing stations are equipped with the robust and proven piston-diaphragm metering pumps model FKM. The required dosing output is selectable and adapted to the process requirements. The dosing capacity is controlled by one or two external 4-20mA signals or via the programmable dosing output control system PROCON V3.

Your benefit: Alltech attaches particular importance to a long product lifecycle as well as to the exchangeability of individual system components when needed.

- **Dosing units for the dosing of acid and caustic for neutralisation (for example sodium hydroxide solution or hydrochloric acid)** | Design configuration, example 3

For the dosing stations for acids and caustic the required dosing capacities can be selected to correspond to the specific process requirements. The control of the output capacity is achieved by

- manual stroke length adjustment
- adjustment via actuator 250V/50-60Hz or via stroke-length positioning system type SERVASET, 0/4-20mA
- frequency adjustment via 0/4-20mA or both
- adjustment via pulse length by the proportional controller TRIGGOMAT C2



Design configuration, example 3: Dosing unit for sulfuric acid, built-in a chemical-resistant enclosure (splash protection, transparent sliding doors).



Design configuration, example 4: Dosing unit for ferric chloride built in a walkable protective cabinet made of PE, for outdoor installation.

DOSING STATIONS

- **Dosing unit for precipitants for phosphate elimination (for example ferric chloride or aluminium sulphate) | Design configuration, example 4**

The dosing station with the robust piston-diaphragm metering pumps FKM is installed in a PE protection cabinet for outdoor installation, with static calculation for wind and snow load. The protective cabinet is walkable, equipped with lighting, ventilation, heating and automatic suction. This makes the operation of the system very comfortable. In addition, not only the dosing line, including the control and vacuum pump, but also the operating personnel is well protected against weather influences.

The automatic suction device facilitates the easy operation. The long-lasting vacuum pump is also located in the protection cabinet.

Optimised chemical consumption with the PROCON dosing output control system

With PROCON the chemical consumption can be reduced even without an online phosphate measurement. The dosing output control system has been developed for the optimised control of dosing pumps through an external analogue signal or by means of trendlining. Core of the PROCON is an easy-to-use touch screen.

We will work out in individual consultations, which solution fits to your needs.

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