


The Alltech logo is displayed in a blue, stylized font with horizontal lines through the letters.

Dosieranlagen
mit Know-how



PREPADOS – Preparation Dosing System

Dissolving- and dosing stations of the PREPADOS V5 series

A small, close-up photograph of a green leaf with visible veins, positioned on the left side of the page.

The systems are designed according to the modular principle and are used to prepare **solutions and suspensions from water and bulk materials** (powder and granulate).

Some of the products for these systems are aluminium sulphate, bentonite (alumina), urea, hydrated lime, diatomaceous earth, soda, sugar molasses, etc.

Consistent solution concentration (typically 5 % to 10 %) through proportional addition of the dry material to the dilution water.

The bulk material can be fed directly into the storage hopper of the dry material feeder manually or via an automatic feeding system (screw conveyor, pneumatic conveyor or silo).

The control panel is installed and wired directly on the system.

Standardised systems are available with an output of 1000 l/h, 2000 l/h and 5000 l/h.

Various options are available to allow optimum customisation to the product and application.

The P & ID shows the general components of the system with the possible options.

CONNECTED LOADS:

Control voltage: 24 V DC and 230 V/50 Hz

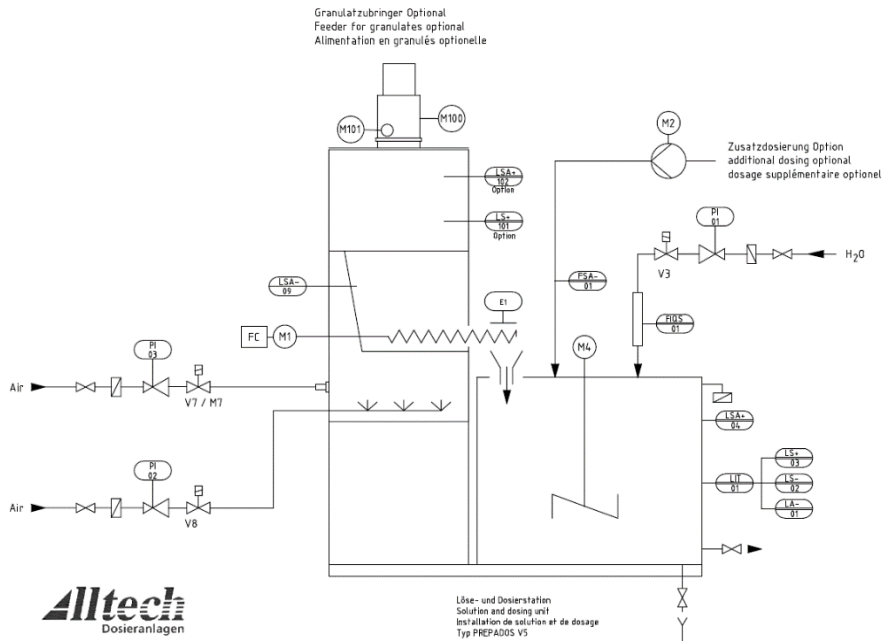
Mains connection: 400 V/50 Hz

Protection class: IP 55, insulation class F

Connected load: max. 5 kVA,

Operating water: min. 3 bar

Compressed air: 6 bar



Prepados type	1000	2000	5000
Q _{max} / l	1000	2000	5000
H ₂ O-Connection	3/4"	3/4"	1 1/4"
mass / kg (befüllt)	500	500	1500
Height / m	2	2	2,4
Width / m	2	2	2,3
Depth / m	1,2	1,2	2,3

The system allows a mainly **dust-free** operation and consist of:

- Solution tank with electric agitator made of stainless steel and analogue level measurement with set points for min, max, dry run and overflow.
- Water supply system with isolation valve and inductive flowmeter.
- Special disperser with quick-release clamp for dissolving powder and granulate.
- Dry material feeder with storage funnel for powder and granulate (with loosening device) and frequency-controlled drive for capacity adjustment of the dosing screw and thermal protection zone on the mouthpiece.
- Control cabinet made of GRP with S7-1200 RLC. Display and operation with robust, high-resolution colour touch panel.
- Piped and tested in accordance with the relevant CE, VDE and DIN regulations.
- Other types and options on request.

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