

CHEMICAL DOSING UNITS

AUTOMATIC POLYMER PREPARATION UNIT



Polymer Dosing System is a compact unit that automatically feeds the process, as needed, using a regulated ultrasonic level switch.

Unit has three compartments. The first one is preparation compartment, the second one is ageing department and the last one is storage compartment. These three parts are separated from each other by welded plates.

Polymer Storage and feeding hopper is a steel small tank in which polyelectrolyte is stored. Polyelectrolyte in this hopper doses by the mounted feeding screw bottom of the hopper.

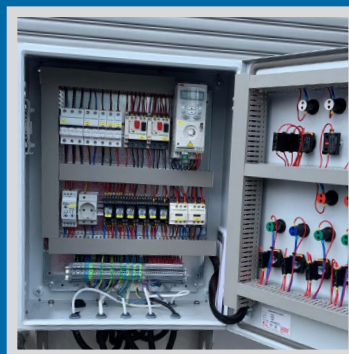
There are two mixers in the unit. In the first compartment, there is a rapid mixer used for polyelectrolyte preparation and in the second compartment, slow mixer for ageing.

Units can be manufactured in different capacities depending on the requirements.



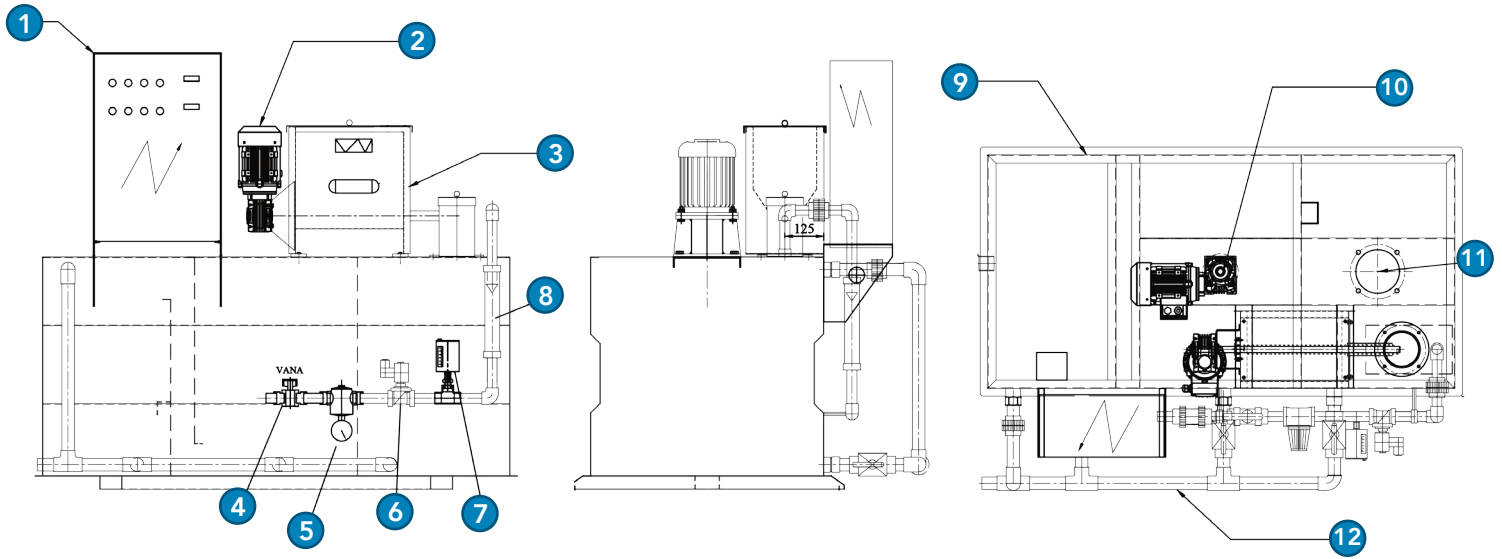
Application

- Biological Sludge
- Sugar Industry
- Marble Industry
- Oil Industry
- Mining Industry
- Beverage Industry
- Pulp & Paper Industry
- Leather Industry



Advantages :

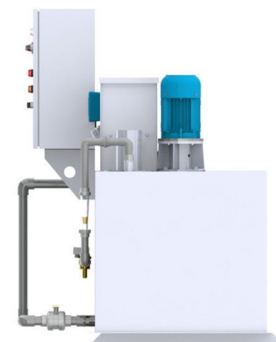
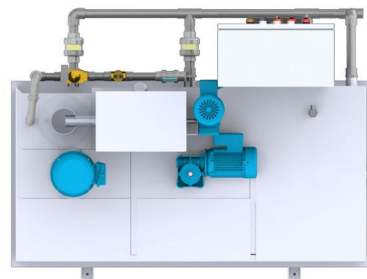
- Compact Design
- Available for Continuous Operation
- Easy Installation & Commissioning
- Low Initial Investment and Operating Cost
- Low Energy Consumption
- Easy Operation



- 1 Control Panel
- 2 Slow mixer drive unit
- 3 Dry polymer storage
- 4 Valve
- 5 Regulator
- 6 Solenoid Valve
- 7 Pressure Switch
- 8 Mechanic Flow Meter
- 9 Tank
- 10 Slow mixer drive unit
- 11 Rapid mixer shaft & fan
- 12 Discharge Line

MODEL	L (mm)	B (mm)	H (mm)	Discharge Pipe Diameter
Arsimak Polymer Unit 500	1600 mm	810 mm	1400 mm	1"
Arsimak Polymer Unit 1000	2000 mm	890 mm	1600 mm	1"
Arsimak Polymer Unit 2000	2000 mm	1290 mm	1675 mm	1"
Arsimak Polymer Unit 4000	2500 mm	1765 mm	2050 mm	1 1/4"
Arsimak Polymer Unit 8000	4000 mm	1540 mm	2500 mm	1 1/2"

• Dimensions are for information only. For specific projects, please refer to Arsimak for Polymer unit selection.



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