

Automatic Polymer Station



Catalogue
sheet

MIVALT



ASP Automatic Polymer Stations



Product description

Automatic polymer station is used for preparing polymer solution for subsequent dosing to dewatering machines MP-DW series. Station consists of storage and mixing chamber. Storage chamber is source of polymer solution for use in dewatering, upper (mixing) chamber is used for preparing solution.

Both chambers are equipped with level probes. Once polymer in storage chamber drops below certain level, new preparation cycle is triggered.

After starting new preparation cycle, bypass valve between both chambers is closed, clean water valve (solenoid valve) is open. After mixing chamber is filled with clean water, dosing device of polymer (pump for liquid concentrate or powder dispenser) switches on, as well as mixing motor. After mixing of content of chamber is finished (time defined), content of chamber is transferred to storage chamber by opening the bypass valve. Solution concentration is defined by duration of operation of dosing device.

ASP (Automatic polymer station) is equipped with control box with HMI (touch screen panel) to operate the machine, set-up operation times and alarms debugging.

ASP is either equipped with with liquid polymer concentrate or screw powder dispenser.. If powder polymer version is used, hopper of powder dispenser is equipped with heating cables to avoid wetting of polymer powder and solenoid for knocking-off the hopper.





Parameters

Model	Material	Platform Shape	Mixing Tank [l]	Storage Tank [l]	Polymer Type	Max. Production [l/h]	Power [kW]	Weight [kg]
ASP220/110-SS-C	(AISI304)	Rectangle	110	220	Liquid	300	1	150
ASP220/110-SS-P	(AISI304)	Rectangle	110	220	Powder	80	1.1	170
ASP250/150-PP-C	polypropylene	Circle	150	250	Liquid	430	1	120
ASP250/150-PP-P	polypropylene	Circle	150	250	Powder	130	1.1	140
ASP700/450-PP-C	polypropylene	Circle	450	700	Liquid	1200	1	200
ASP700/450-PP-P	polypropylene	Circle	450	700	Powder	400	1.1	220
ASP1500/1450-SS-C	(AISI304)	Rectangle	1400	1550	Liquid	4200	1	500

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