

# Automatic Polymer Stations

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## The advantages of the ClearFox® Automatic Polymer Stations

- Compact design
- Clear layout
- Easy to use
- Automatic operation



## Product description

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

Both chambers are equipped with level probes. Once the polymer in the storage chamber drops below a certain level, a 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 the mixing of the chamber's content is finished (for a defined time), 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 dedicated control box with HMI (touch screen panel) for controlling the device, setting up operation times and alarms debugging.

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

## Technical data

Model	Material	Platform Shape	Mixing tank (l)	Storage tank (l)	Polymer Type	Max. Solution Output (l/h)	Weight (kg)	Power (kW)
ASP220 / 110-PP-C	DIN1.4301 (AISI304)	Rectangle	110	220	Liquid	300	150	1.0
ASP220 / 110-PP-P	DIN1.4301 (AISI304)	Rectangle	110	220	Powder	80	170	1.1
ASP250 / 150-PP-C	PP - polypropylene	Circle	150	250	Liquid	430	120	1.0
ASP250 / 150-PP-P	PP - polypropylene	Circle	150	250	Powder	130	140	1.1
ASP700 / 450-PP-C	PP - polypropylene	Circle	450	700	Liquid	1200	200	1.0
ASP700 / 450-PP-P	PP - polypropylene	Circle	450	700	Powder	400	220	1.1
ASPI500 / 1450-SS-C	DIN1.4301 (AISI304)	Rectangle	1400	1550	Liquid	4200	500	1.0
ASPI500 / 1450-SS-P	DIN1.4301 (AISI304)	Rectangle	1400	1550	Powder	1300	500	1.1

