

Powder Polyelectrolyte Preparation System



FL-POP/double

Full automatic polymer preparation system for continues preparation double-tank : dissolving/maturing/storage

The powder from the dosing unit is mixed with water tangentially in double angled wetting cone and realize important action of dispersion

The water/powder mixture then drops into the tank below where the dissolving phase begins. In dissolving sector a slow agitator keeps the contents of the tank in movement, thus favoring homogenization of the solution.

The powder/water solution goes to the maturing chamber where another slow agitator keeps it homogeneous until maturing is complete.

Then the solution is transferred to storage chamber from which it can be transferred for use.

Application:

- Industrial process water
- Drinking water plants
- DAF, Dissolved air Flotation
- Sludge treatment
- Industrial waste water treatment
- Petrochemical industry
- Metal processing
- Chemical industry
- Municipal waste water
- Textile industry

Advantages

- Variable capacity powder dosing with level indicator
- Powder worm screw with spring brake scraper
- The heating of powder screw output
- Compact and space-saving structure
- Easy to operate with minimal maintenance
- Water pressure reducer
- PLC programmable electrical control panel
- Pro bus-DP, Modbus, Ethernet: Flexible

FL-POP/CON is ideal for:

- New project
- Existing plant upgrades
- Replacement plants

Tank material

Stainless steel:

AISI 316

AISI 304

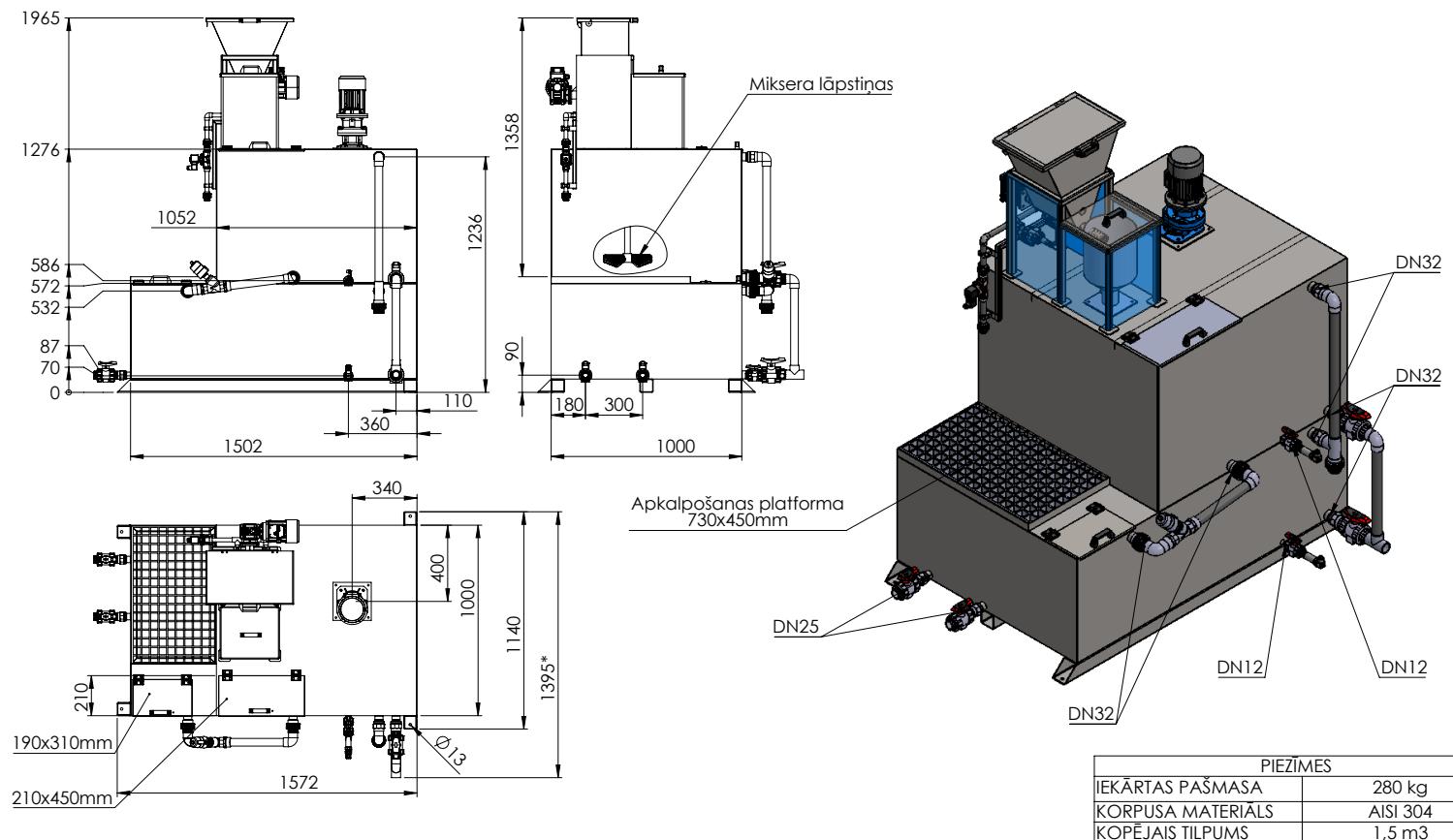


Plastic:

HPDE
PP

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Technical data



FL-POP/CON MODEL SPECIFICATION

Model	Max.Capacity (l/h) 30 min	Max.Capacity (l/h) 60 min
FL-POP/double - 500	800	500
FL-POP/double - 1000	1200	900
FL-POP/double - 1500	1800	1500
FL-POP/double - 2000	2500	2300
FL-POP/double - 3000	3450	3150
FL-POP/double - 4000	6200	4700
FL-POP/double - 10000	10000	7500

Standard Features:

- Factory tested
- Easy integrates with other Flotlife wastewater products
- Low speed mixers, which features a 316 stainless steel shaft and propeller
- Contactless ultrasonic sensor for continuous level control
- Powder dilution system: tangential double angled wetting cone for perfectly homogeneous dilution of polymer
- Water inlet with shut-off valve, solenoid valve, pressure-reducing valve and flowmeter
- Heating resistance at the dry feeder
- Hopper with powder level indicator
- PLC programmable electrical board

Optional :

- Explosion – proof design
- **Customer tailored solutions**
- Container solutions
- SCADA monitoring system
- Third agitator mixer in the storage chamber
- Vacuum powder loading

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