

1 Automatic Solution Unit for Polymer Coagulation Solvent

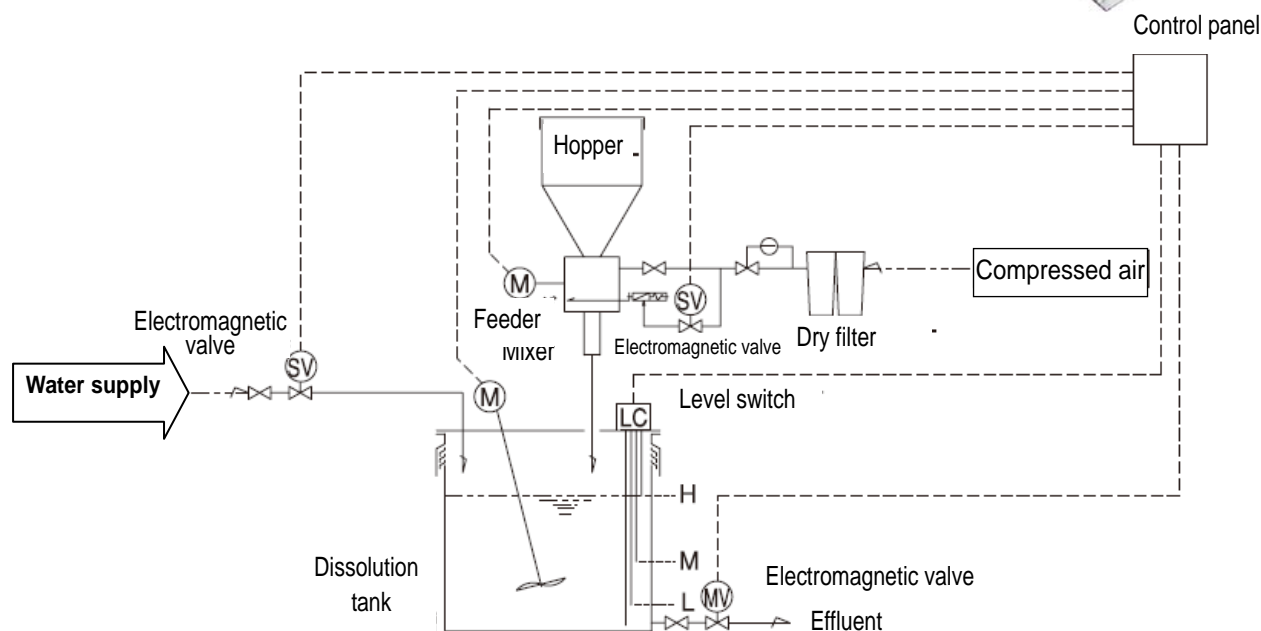
1-1. Elepon E.C.A.P. Corporation - Automatic Solution Unit for Polymer Coagulation Solvent -

I. Batch type -----

■ Features

- No relation with neglected action : Solvent injection pump without clogging.
Easy maintenance for pump Labor saving without manual dissolution operation Every time clean inside dissolution tank and pipe.
- Electric power saving and space saving : No need for big mixer in case of mass consumption of solvent Flexible correspondence for installation place Production of around 500L-solvent/day with standard type.

■ Overview



Flow diagram of treatment system

■ Performance/Specifications

- Specifications of EKP series EKP-100

item	Specifications
Dissolution capacity	100L/batch as average (500L/day as 90min./batch × 5batch/day)
Hopper	Material: transparent vinyl chloride Valid volume: 20L
Dissolution tank	Material: SUS-304 Valid volume: 100L
Operation board	Material: PP Power source: 200V 200W, 100V 170W built - in sequencer
Water supply contact caliber	Rc 1/2(15A)
Air contact caliber	Rc 1/4(8A)
Liquor effluent caliber	Rc 1(25A)
Installation place	Indoor or place where is with countermeasures against rainwater
Reference	Specifications of hopper, dissolution tank and mixer can be changed

- Option products: compressor and its motor circuit, discharge pump of dissolution solvent and its motor circuit, powder, level sensor

■ Applications/Experience

- Solvent supply of polymer coagulation powder such as anion, cation, nonion

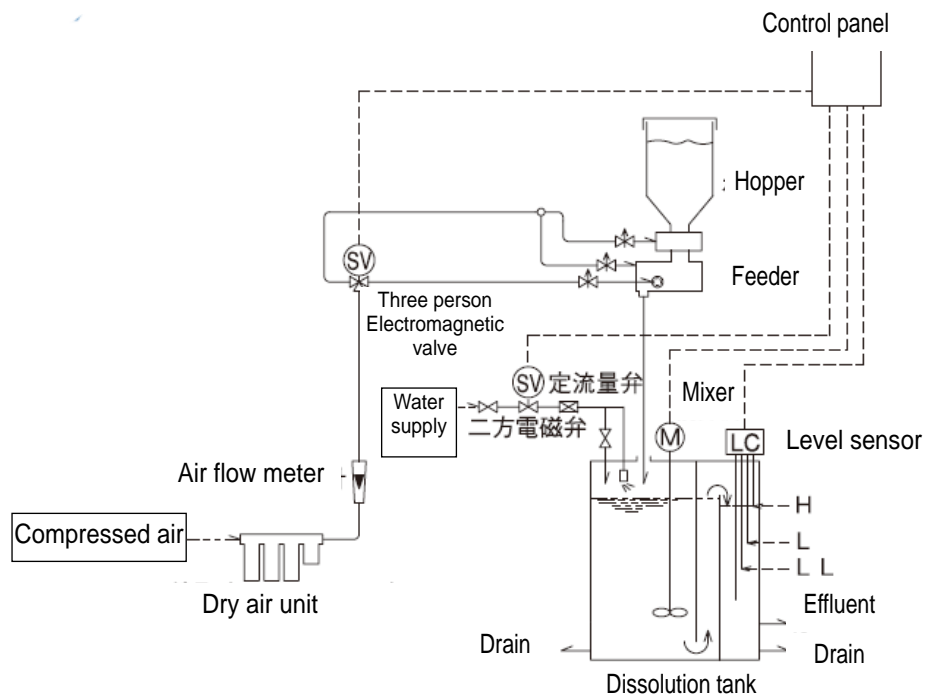
II. Continuous type -----

■ Features

- Operation is easy because polymer coagulation powder can be put on upper of hopper.
- Fully automatic and continuous dissolution of polymer coagulation powder for stable supply
- Stable supply of fixed concentration, satisfactory dissolution solvent and reduction of neglected action
- High efficiency by dry air method
- Light weight and compact design
- Dissolution tank with volume of 2,000L, 3,000L can be produced.



■ Overview



Flow diagram of treatment system

■ Performance/Specifications

- Specifications of EPD series

Item	EPD-250P	EPD-500P	EPD-1000P
Max. dissolution volume (L/hr)	100	200	400
Hopper volume (L)	10	20	30
Dissolution tank volume (L)	250	500	1,000
Water supply contact caliber	Rc 3/4(20A)	Rc 3/4(20A)	Rc 3/4(20A)
Air contact caliber	Rc 1/4(8A)	Rc 1/4(8A)	Rc 1/4(8A)
Liquor effluent caliber (10K flange)	20A	20A	25A
Installation place	Indoor or place where is with countermeasures against rainwater		

- Dry air with 5 - 50L/min(03 - 0.85Mpa) as air supply AC200V/50/60Hz with three-phase as power source:

■ Applications/Experience

- Solvent supply of polymer coagulation powder such as anion, cation, nonion

■ Reference

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