

# POLISOL

**Automatic**

## **Polymer preparation Plant**

***30 year-experience in the water treatment  
and paper industries***

***Continuous technical improvements brought  
by a close collaboration with the world's  
leading chemical suppliers***



# POLISOL

## Automatic plants for continuous preparation and dosing of dry polymer

- Sizes range from 450 to 10.000 litres/hour, with either two or three compartment systems
- Mimic control panels to make it easier start up and control
- Forced dilution via a dilution funnel with built-in venturi system
- Combined plants ( for dry and liquid polymer) on demand
- Local manual pneumatic filling system

### **L** AISI 304 Tank and Hopper



VERSION	TANK VOL.	TANKS NO.	WATER PRESSURE	STIRRERS NO.	MAX CONC. %	TANK MATERIAL
PLA	450	2	1,5	1	0,3	AISI 304
PLA	850	2	1,5	1	0,3	AISI 304
PLA	1700	2	1,5	1	0,3	AISI 304
PLB	450	2	1,5	2	0,3	AISI 304
PLB	850	2	1,5	2	0,3	AISI 304
PLB	1700	2	1,5	2	0,3	AISI 304
PLF	850	3	1,5	2	0,3	AISI 304
PLF	1700	3	1,5	2	0,3	AISI 304
PLF	2800	3	1,5	2	0,3	AISI 304
PLF	4000	3	1,5	2	0,3	AISI 304
PLF	5500	3	1,5	2	0,3	AISI 304
PLT	850	3	1,5	3	0,3	AISI 304
PLT	1700	3	1,5	3	0,3	AISI 304
PLT	2800	3	1,5	3	0,3	AISI 304
PLT	4000	3	1,5	3	0,3	AISI 304
PLT	5500	3	1,5	3	0,3	AISI 304
PLC	850	3	2,5	2	0,5	AISI 304
PLC	1700	3	2,5	2	0,5	AISI 304
PLC	2800	3	2,5	2	0,5	AISI 304
PLC	4000	3	2,5	2	0,5	AISI 304
PLC	5500	3	2,5	2	0,5	AISI 304
PLR	850	3	2,5	3	0,5	AISI 304
PLR	1700	3	2,5	3	0,5	AISI 304
PLR	2800	3	2,5	3	0,5	AISI 304
PLR	4000	3	2,5	3	0,5	AISI 304
PLR	5500	3	2,5	3	0,5	AISI 304
PLR	7500	3	2,5	3	0,5	AISI 304
PLR	10000	3	2,5	3	0,5	AISI 304

### **K** PP Tank AISI 304 Hopper



VERSION	TANK VOL.	TANKS NO.	WATER PRESSURE	STIRRERS NO.	MAX CONC. %	TANK MATERIAL
PKA	450	2	1,5	1	0,3	PP
PKA	850	2	1,5	1	0,3	PP
PKA	1700	2	1,5	1	0,3	PP
PKB	450	2	1,5	2	0,3	PP
PKB	850	2	1,5	2	0,3	PP
PKB	1700	2	1,5	2	0,3	PP
PKF	850	3	1,5	2	0,3	PP
PKF	1700	3	1,5	2	0,3	PP
PKF	2800	3	1,5	2	0,3	PP
PKF	4000	3	1,5	2	0,3	PP
PKT	850	3	1,5	3	0,3	PP
PKT	1700	3	1,5	3	0,3	PP
PKT	2800	3	1,5	3	0,3	PP
PKT	4000	3	1,5	3	0,3	PP
PKC	850	3	2,5	2	0,5	PP
PKC	1700	3	2,5	2	0,5	PP
PKC	2800	3	2,5	2	0,5	PP
PKC	4000	3	2,5	2	0,5	PP
PKR	850	3	2,5	3	0,5	PP
PKR	1700	3	2,5	3	0,5	PP
PKR	2800	3	2,5	3	0,5	PP
PKR	4000	3	2,5	3	0,5	PP



# EMULSOL

## Automatic plants for continuous preparation and dosing of liquid polymers

- Sizes range from 450 to 5.500 litres/hour, with either two or three compartment systems
- Mimic control panels to make it easier start up and control
- Metering pump suitable for high-viscosity media (up to 55.000 cP)
- Tanks in either HDPP(High Density Polypropylene) or AISI 304

### EL-EK



### COMPACT



#### EMULSOL COMPACT

The functions and reliability of EMULSOL without the cost of the complete plant

- Compact automatic plant for the continuous dilution of liquid polymers
- Production up to 2.500 l/h
- Dilution ratio up to 1:100

VERSION	TANK VOL.	TANKS NO.	WATER PRESSURE	STIRRERS NO.	MAX CONC. %	TANK MATERIAL
ELA	850	2	1,5	1	0,1÷1%	AISI 304
ELA	1700	2	1,5	1	0,1÷1%	AISI 304
ELB	850	2	1,5	2	0,1÷1%	AISI 304
ELB	1700	2	1,5	2	0,1÷1%	AISI 304
ELC	850	3	1,5	2	0,1÷1%	AISI 304
ELC	1700	3	1,5	2	0,1÷1%	AISI 304
ELC	2800	3	1,5	2	0,1÷1%	AISI 304
ELC	4000	3	1,5	2	0,1÷1%	AISI 304
ELC	5500	3	1,5	2	0,1÷1%	AISI 304
EKA	850	2	1,5	1	0,1÷1%	PP
EKA	1700	2	1,5	1	0,1÷1%	PP
EKB	850	2	1,5	2	0,1÷1%	PP
EKB	1700	2	1,5	2	0,1÷1%	PP
EKC	850	3	1,5	2	0,1÷1%	PP
EKC	1700	3	1,5	2	0,1÷1%	PP
EKC	2800	3	1,5	2	0,1÷1%	PP
EKC	4000	3	1,5	2	0,1÷1%	PP

EMULSOL COMPACT	METERING PUMPS	FLOW RATE Lt/h	OUTPUT PER HOUR Lt
3000.2	RBC10HV36	2	1500
3000.3	RBC10HV50	3	1500
3000.4	RBC16HV36	4	1500
3000.6	RBC16HV50	6	1500
3000.12	RBC25HV36	12	1500
3000.16	RBC25HV50	16	1500
3000.18	RBC30HV36	18	2500
3000.25	RBC30HV50	25	2500

All plants are electrically and water-tight tested -Plants comply with European machinery directive CE 98/37/CE, low tension 72/23/CE and electromagnetic compatibility



# MIMIC CONTROL PANEL



**Standard MIMIC CONTROL PANELS.**  
**On demand the following can be supplied:**

- High-high level solution
- 485 serial port
- Control of up to 3 metering pumps
- General overload trip (in addition to the 5 STD SPDT contact available)
- IP 65 double transparent door (Polyester / metallic / AISI 304)
- Non-Standard voltages and frequencies
- Magnetic-thermal contacts for each mot

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