

POLISOL

Automatic polymer preparation plant

35 years-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 for 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 304L Tank and Hopper



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

K PP Tank AISI 304L Hopper



VERSION	TANK VOL.	TANKS NO.	WATER PRESSURE	STIRRERS NO.	DILUTION RATIO	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
PKM	450	2	2,5	1	0,5%	PP
PKM	850	2	2,5	1	0,5%	PP
PKM	1700	2	2,5	1	0,5%	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
PKN	450	2	2,5	2	0,5%	PP
PKN	850	2	2,5	2	0,5%	PP
PKN	1700	2	2,5	2	0,5%	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 for 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 304L

EL AISI 304L



PP EK

COMPACT



VERSION	TANK VOL.	TANKS NO.	WATER PRESSURE	STIRRERS NO.	DILUTION RATIO	TANK MATERIAL
ELA	450	2	1,5	1	0,1÷1%	AISI 304L
ELA	850	2	1,5	1	0,1÷1%	AISI 304L
ELA	1700	2	1,5	1	0,1÷1%	AISI 304L
ELB	450	2	1,5	2	0,1÷1%	AISI 304L
ELB	850	2	1,5	2	0,1÷1%	AISI 304L
ELB	1700	2	1,5	2	0,1÷1%	AISI 304L
ELC	850	3	1,5	2	0,1÷1%	AISI 304L
ELC	1700	3	1,5	2	0,1÷1%	AISI 304L
ELC	2800	3	1,5	2	0,1÷1%	AISI 304L
ELC	4000	3	1,5	2	0,1÷1%	AISI 304L
ELC	5500	3	1,5	2	0,1÷1%	AISI 304L
PP						
EKA	450	2	1,5	1	0,1÷1%	PP
EKA	850	2	1,5	1	0,1÷1%	PP
EKA	1700	2	1,5	1	0,1÷1%	PP
EKB	450	2	1,5	2	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

The functions and reliability of EMULSOL without the cost of a 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

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

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 motor
- Low level powder indication

References

Year	End user / Contractor / Customer	Plant type	Country
1990	EGAT	PL750SP, effluent WWT	Thailand
2000	Tenaga Tiub Sdn Bhd	PLC4000SL, industrial water treatment	Malaysia
2002	Thai Paper Factory	PLA850.- Pulp&Paper	Thailand
2002	Belgian refining corporation	ELB1700, effluent WWT	Belgium
2003	Vivendi China/US Filter China	PLC1700Q Municipal WWT	China
2005	WATERLAU	EKB850E, Municipal WWT	Belgium
2006	DRAGADOS	PLF2800Q – PLF850Q effluent WWT	Spain
2007	PIERALISI	PLR850Q effluent WWT	Spain
2008	SOGETRAMA	PKF1700Q – PKF2800Q s	Morocco
2009	Votorantim Metais, Refineria de Cajamarquilla	PKF400Q – PKF 850Q mining application	Peru
2009	VEOLIA	PLB450Q industrial WWT	Spain
2010	OTV RHONE ALPES	PLF5500Q effluent WWT	France
2010	NALCO	PLF2800QSL effluent WWT	Spain
2010	OTV SUD EST	PKF2800QE – PK1700Q effluent WWT	France
2010	Cia. Minera Santa Cruz	PKF1700Q – EKB850Q Mining application	Argentina
2010	GE WATER	EKA850E	Spain
2011	CERVECERIA REGIONAL CAGUA	PLC850QSL effluent WWT	Venezuela
2011	Ashland Industries	EKB850E Pulp&Paper	Spain

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