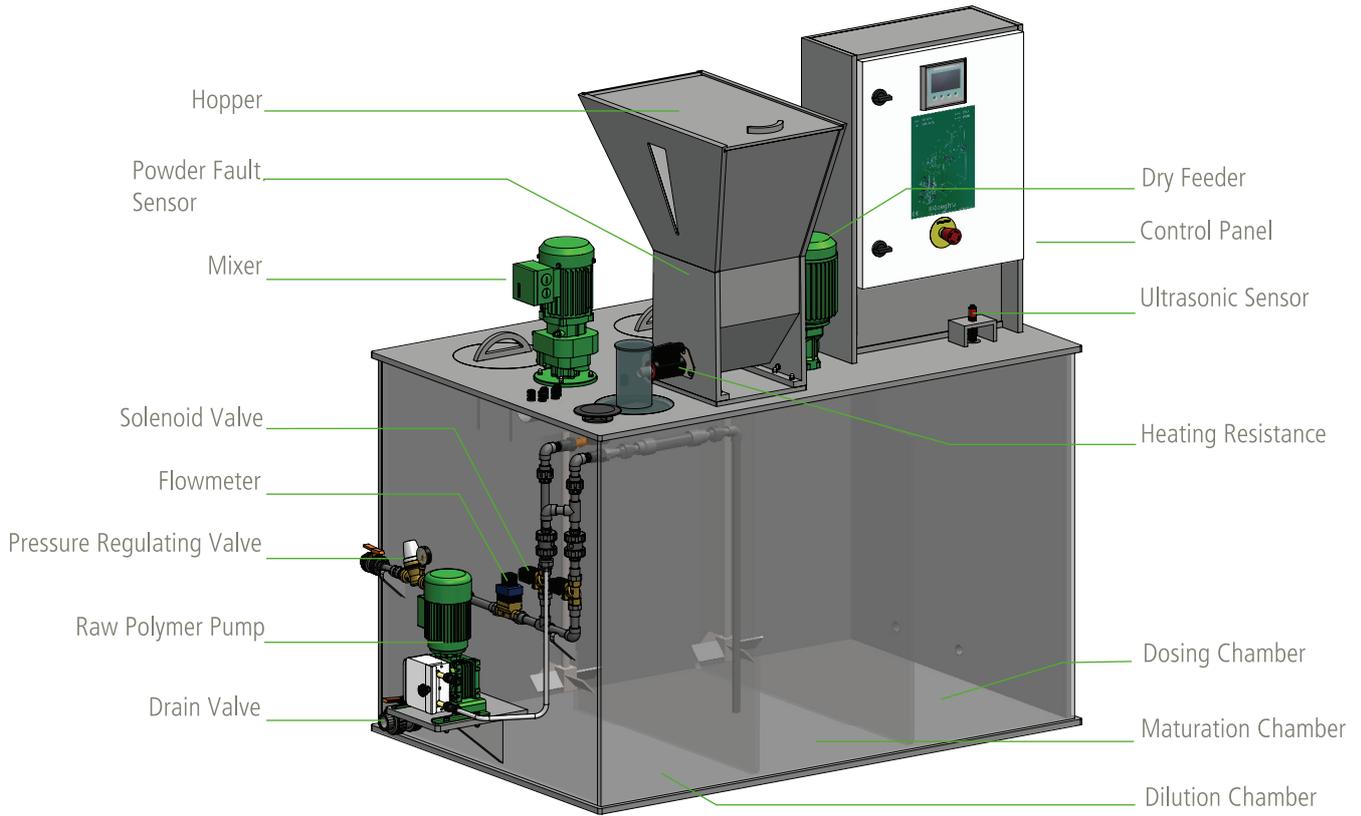


DATASHEET

Polymer Preparation System



CSL MODELS

Complete bivalent systems to dilute powder or emulsion polyelectrolyte's with water in continues allows easy switch between powder or emulsion polymer resource that make it management mode to reach concentration solution between 0.05 % and 0.5 %. This high versatility models easier with all possible exploration options. Built as skid principles where all components are connected and tested, make it easy electrical and hydraulic installation saving time and money. A friendly configuration, maintenance and operation make them ideal systems used in flocculation process as dewatering, pre-filtration, paper industry. The extraction capacities for this models just depends on the dosing flow rate and for that recommendable understand the indicated volume as a hourly capacity assuming 60 minutes maturation time that is the standard for most polyelectrolyte manufacturers. Main structure built in HDPE with classic three chambers parallelepiped geometry connected by overflow channels

permitting distinct solution volumes for dilution, maturation and dosing. The duty cycle is controlled by ultrasonic continues level measuring sensor, installed in the dosing chamber, that start the refilling process automatically, opening the solenoid valve and adjusting the dry feeder or dosing pump speed to reach always the selected concentration even with water flow variations. Configurable process alarms with informative or impeditive action. Mechanical and process fault alarms with independent contact free current signals. Standard models cover most part of process needs but our engineering department can study with costumers different options to improve present configurations to any situation. "All Siemens inside" with synoptic board and main components signalization by bicolor led, emergency button, PLC S7-1200 for command and control with 4" color display user interface. Standard in dilution and maturation chambers with fast removable coupling system, shaft and 45° plain tetra-blade propellers build in 316 SS.

DOSING PUMP

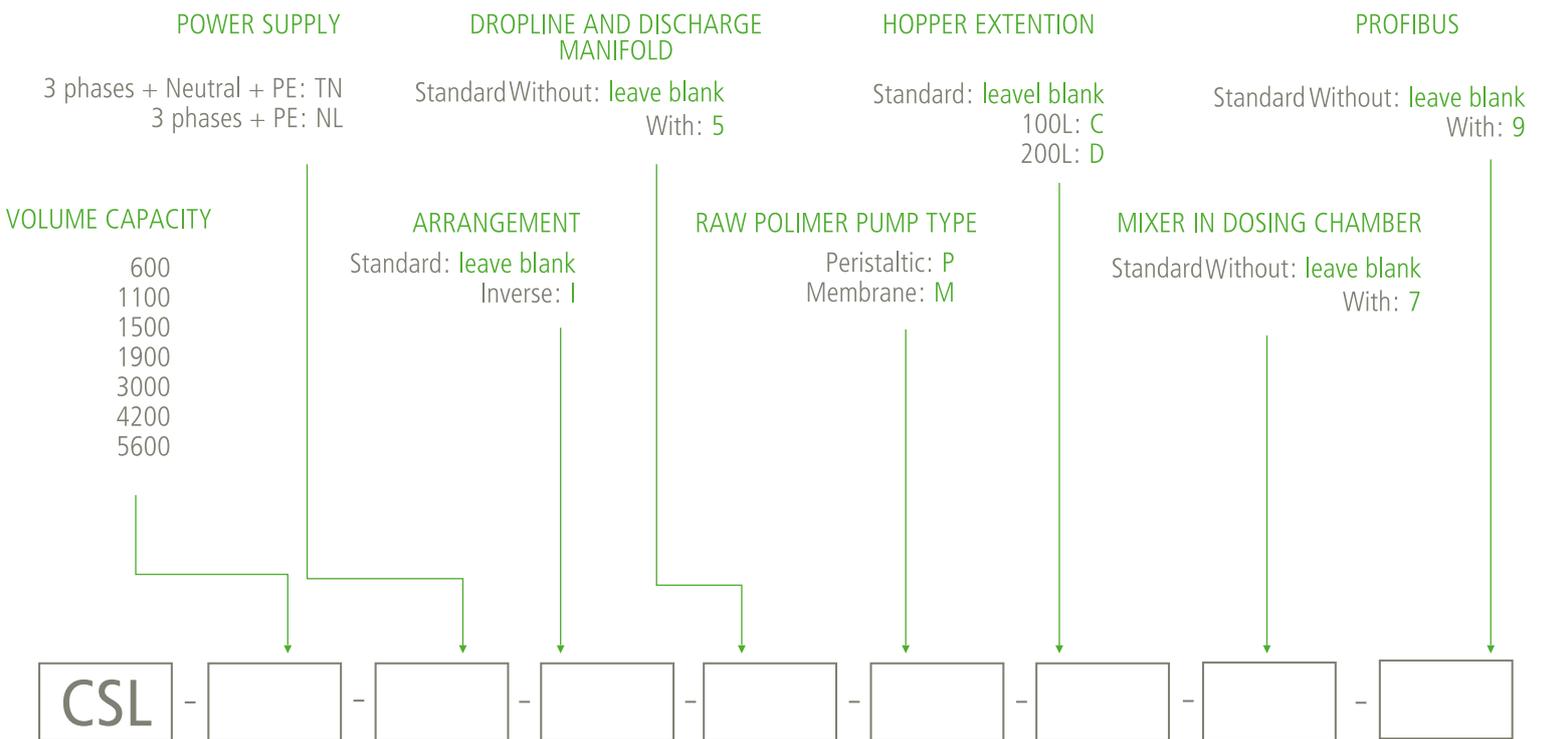
Peristaltic with head suction capacity suitable for standard or viscous liquids, driven by motor and controlled by speed inverter.

DRY FEEDER

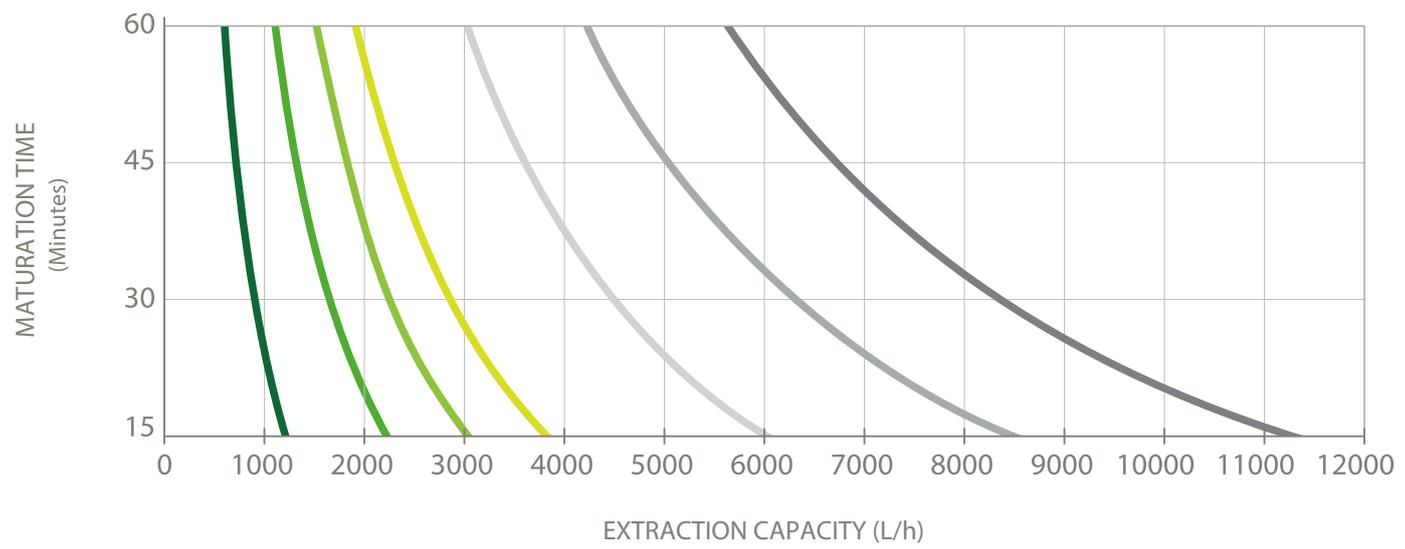
With extraction solid center screw and compact hopper built in HDPE. All systems include heater resistance in extractor tube, intuitive level window and level sensor in hopper.

Configuration Chart

Please select the option that best suits your needs and fill the following chart with the green references:



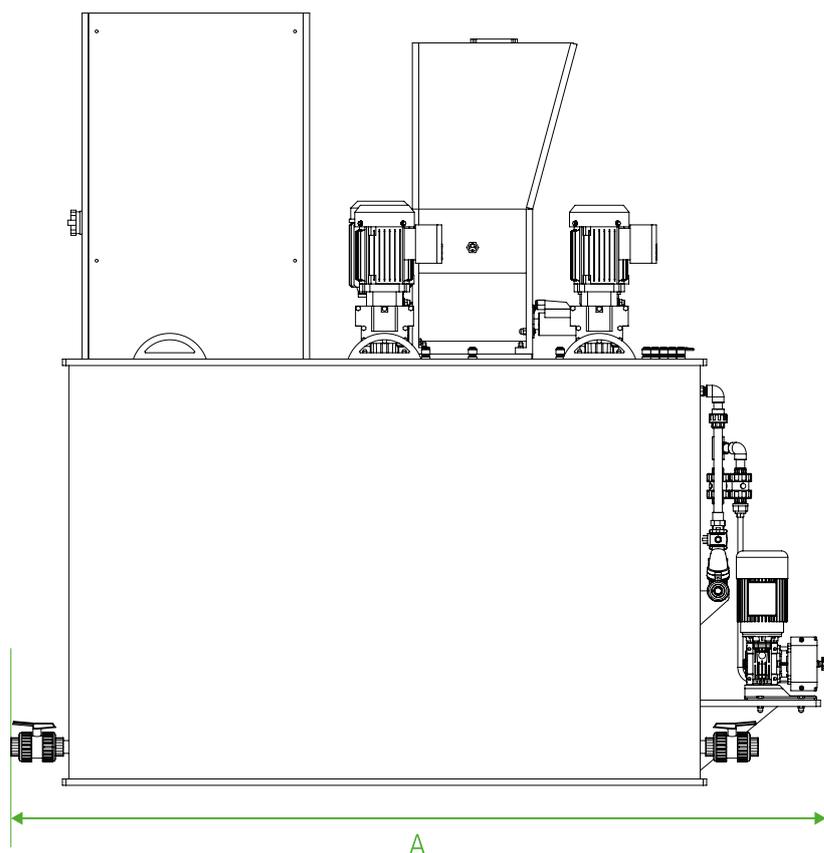
Extraction Capacity as a Function of Aging Time



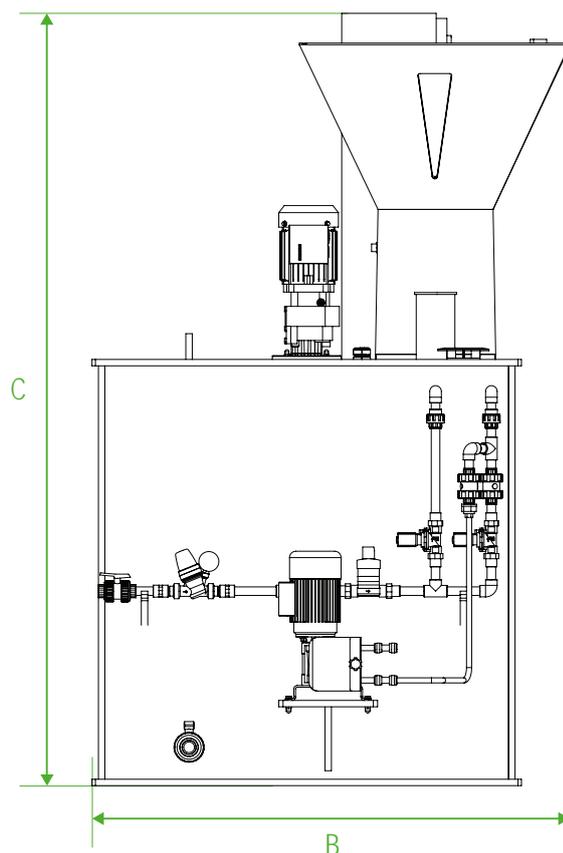
CSL 600 CSL 1100 CSL 1500 CSL 1900 CSL 3000 CSL 4200 CSL 5600

PolySys_CSL-150608_5_GB

BACK VIEW



LEFT SIDE VIEW



Technical Specifications

	CSL 600	CSL 1100	CSL 1500	CSL 1900	CSL 3000	CSL 4200	CSL 5600
Total volume L	600	1100	1500	1900	3000	4200	5600
Total length as A mm	1650	1900	2370	2880	3195	3260	3740
Total with as B mm	815	1000	1110	1100	1280	1560	1560
Total height as C mm	1700	1800	1830	1830	1995	2085	2275
30 minutes capacity L/h	1200	2200	3000	3800	6000	8400	11200
60 minutes capacity L/h	600	1100	1500	1900	3000	4200	5600
Water connection DN	15	15	20	20	25	40	40
Max. water flow L/h	1400	2600	3600	4500	7200	11000	13400
Dosing connection DN	25	25	25	32	32	40	40
Total rate kW	1.1	1.1	1.3	1.3	1.7	1.8	2.8
Power supply	3Ph+N	3Ph+N	3Ph+N	3Ph+N	3Ph+N	3Ph+N	3Ph+N
Voltage V	400	400	400	400	400	400	400
Raw polymer pump power kW	0.18	0.18	0.18	0.18	0.18	0.25	0.25
Dry feeder rate kW	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Hopper volume L	40	60	60	60	60	60	60
Mixers motor kW	0.25	0.25	0.37	0.37	0.75	0.75	1.1
Speed rpm	172	172	160	160	153	153	144
Propeller diameter mm	200	200	350	350	500	500	550