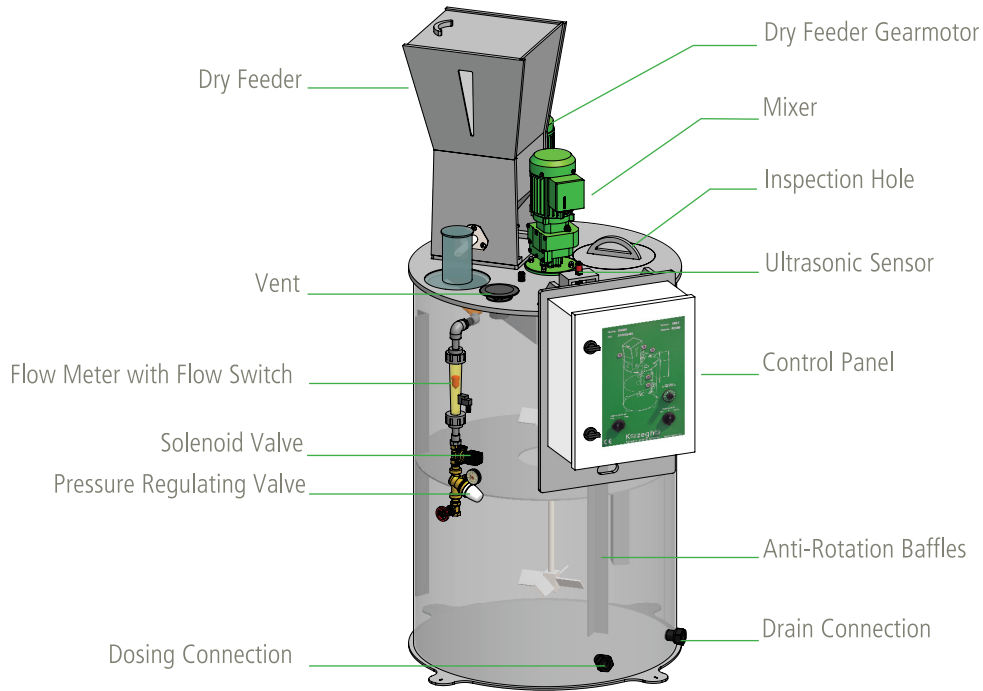


DATASHEET

Automatic Diluter



BS MODELS

BS models are complete systems to dilute powder chemicals with water in batch mode if dosing with standard dry feeder and compatible with HDPE and stainless steel, in adjustable variable concentrations ratio 1:5. Built as skid principles where all components are connected and tested make it easy electrical and hydraulic installation saving time and money. Easy maintenance and operation procedures make them ideal systems used to prepare carbon and lime suspensions, soda ash or even polyelectrolyte solutions that require batch preparation process. Main structure built in HDPE with cylindrical geometry optionally in double deck design. The level of available solution is controlled by an ultrasonic level probe

that indicates the level by the measurement of the distance to the liquid, at its low level it initiates the reset process by opening the solenoid valve and at the high level it stops the dilution water entering. The batch preparation volume can thus be controlled by the cycle start height adjustment. Whenever water enters, the powder dispenser will run simultaneously to return the solution to the concentration set by the operator. Optionally is possible include heater resistance in extractor tube, level sensor in hopper and bridge breaker. Standard models cover most part of process needs but our engineering department can study with customers different options to improve present configurations to any situation.

ELECTRICAL PANEL

"All Siemens inside" with synoptic board, main parts signalization by bicolor led.

DRY FEEDER

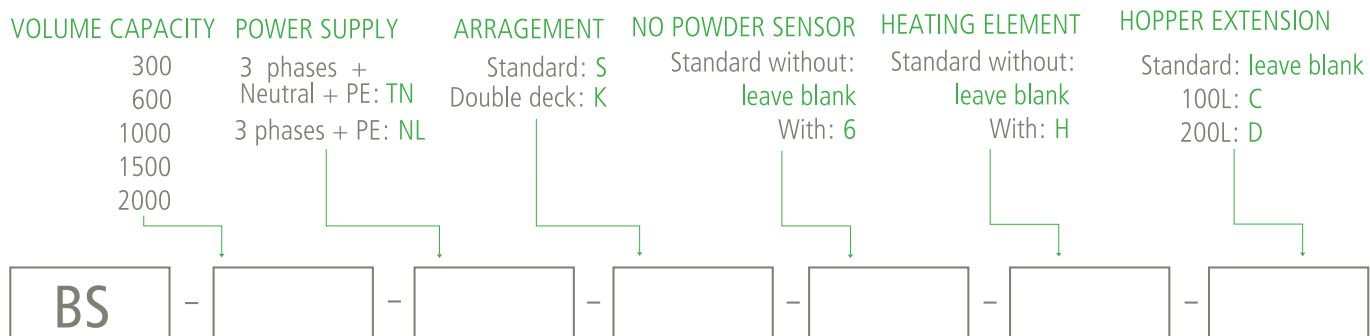
With extraction solid center screw and compact hooper built in HDPE. Hopper with intuitive powder level window.

MIXERS

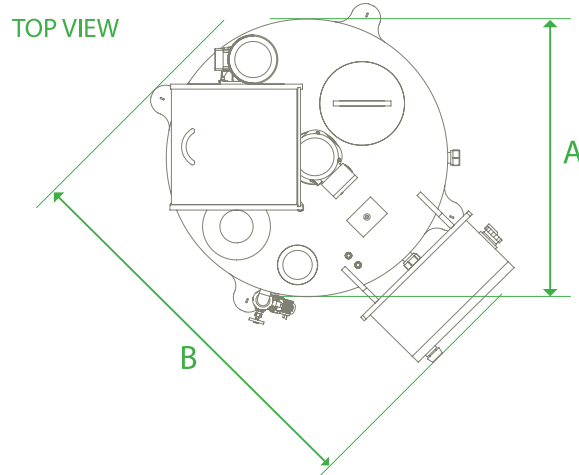
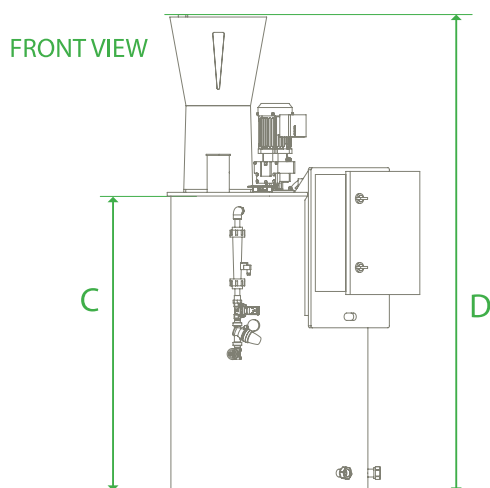
With fast removable coupling system, shaft and 45° plain tetra-blade propellers build in 316 SS. Two propellers in double deck versions.

Configuration Chart

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



Technical Drawings



Technical Specifications

	BS 300	BS 600	BS 1000	BS 1500	BS 2000
Total volume L	300	600	1000	1500	2000
Diameter as A mm	670	830	992	1190	1310
Width as B mm	990	1050	1330	1520	1630
Tank height as C mm	1000	1200	1500	1500	1500
Total height as D mm	1730	1940	2270	2270	2270
Water connection DN	15	15	15	20	20
Max. water flow L/h	500	500	1000	1000	1500
Dosing connection DN	25	25	25	32	32
Total rate kW	0.8	0.8	1	1	1.5
Power supply	3pH + N	3pH + N	3pH + N	3pH + N	3pH + N
Voltage V	400	400	400	400	400
Dry feeder rate kW	0.37	0.37	0.37	0.37	0.37
Hopper volume L	40	40	60	60	60
Mixers motor kW	0.37	0.37	0.55	0.55	1.1
Speed rpm	160	160	134	134	144
Propeller diameter mm	200	200	350	350	500