

Automatic stainless steel and polypropylene **continuous** **flow polyelectrolyte** solution preparer



Description

The preparer is a device designed for automatic continuous flow preparation of a polyelectrolyte solution, starting from the polyelectrolyte in powder form and water.

The polyelectrolyte powder is extracted from the storage hopper using a batching screw with variable speed, moving to the mixer nozzle water cone.

Because of gravity, the mixture obtained falls into the first preparation tank and then passes through the traps into the maturing and batching tanks.

These preparation and maturing tanks are equipped with stirrers, also present as a possible optional in the batching tanks.

The volume of the deposits and the continuous action of the stirrers ensures that a homogenous mixture is obtained and that the retention time is suitable for perfect dilution.

The electrical control panel ensures total system automation, guaranteeing correct preparation and the right batching.



Applications



The use of polymers and flocculants considerably facilitates the processes of distinguishing between solid – liquid phases in the following example applications:

- Treating drinking and industrial processing water.
- Purifying waste water, in particular within physicochemical treatments.
- Treating sludge, in order to improve the performance of centrifuges and filter presses.
- Processes for the paper, chemical, petrochemical, mineral processing, canning industries etc.

Benefits

The use of automatic polyelectrolyte solution preparers gives the following results:

- Considerable savings in terms of the polymers and running costs.
- Precision in the preparation and batching stages, optimising the processes.
- Space savings and system centralisation.



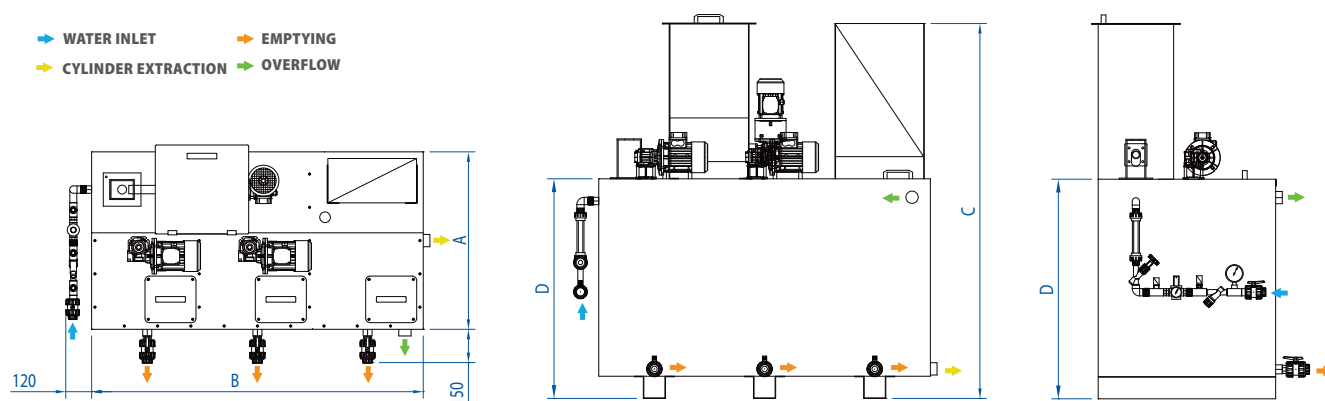
Construction characteristics of a standard system

- Automatic water supply system formed by a shut-off valve, filter, safety pressure switch, pressure gauge, pressure reducer, solenoid valve, control valve, flow meter and special dispensing nozzle.
- Deposits made entirely of stainless steel and PPH, with inspection covers and emptying valves for each compartment.
- Customised propellers, optimised to obtain a homogeneous mixture, made of stainless steel.
- Batching screw made entirely of stainless steel with batching adjustment using the precise speed variator.
- Electric protection and control panel, with built-in or touchscreen synoptic panel, designed for manual/automatic operation, equipped with emergency stop and wiring to all system components.
- Conductive level probes for high, low and very low levels with audible warning.

Optionals

- Automatic powder hopper loading.
- Minimum level probe in the powder hopper.
- Stirrer in the batching tank.
- Overflow probe.
- Prefabricated post-dilution systems. Heating resistor in the powder exhaust pipe.

Dimensions and characteristics of standard systems



Model	Capacity	A	B	C	D	Water inlet	Cylinder extraction	Emptying	Overflow
	Lts.	mm.	mm.	mm.	mm.				
PL5	550	800	1.000	1.690	990	3/4"	1 1/2"	1"	1 1/2"
PL8	850	800	1.500	1.690	990	3/4"	1 1/2"	1"	1 1/2"
PL11	1.100	800	2.000	1.690	990	3/4"	1 1/2"	1"	1 1/2"
PL15	1.500	800	2.500	1.690	990	3/4"	1 1/2"	1"	1 1/2"
PL20	2.000	1.150	2.000	1.800	1.100	1"	2"	1"	2"
PL30	3.000	1.150	3.000	1.800	1.100	1"	2"	1"	2"

All systems are equipped with three compartments except no. 5, which only has two compartments. For higher or non-standard capacities, contact our technical department. The company reserves the right to make the necessary technical and production changes without prior notice. The images do not imply any contractual relationship.

A Worldwide Group at your service

seko has been a significant manufacturer of metering pumps and dosing systems for over 40 years. This long activity allowed seko to acquire a vast experience in diversified applications and to confirm its international success in many industrial fields through the supply of reliable solutions for the dosing, injection and transfer of liquids

Today **seko** is an International Group, developing, manufacturing and delivering its products in more than 50 countries, through its 16 subsidiaries and an extended network of distributors, agents and authorized dealers



BRAZIL

■ Seko do Brasil Comercio de Sistemas de Dosagem Limitada

03170-050 São Paulo (SP)
Phone: +55 11 2606 9878
Fax: +55 11 2606 9878
sekobrasil@sekobrasil.com.br
www.sekobrasil.com.br

CHINA

■ Seko China Ltd

072750 Hebei
Phone: +86 312 552 0904
Fax: +86 312 552 0901
china@seko.com
www.sekochina.com

DENMARK

■ Seko Denmark

DK-4930 Maribo
Phone: +45 5475 7545
Fax: +45 5474 7545
info@seko.com

FRANCE

■ Seko Lefranc-Bosi S.A.

77435 - Marne La Vallée Cedex 2
Phone: +33 1 6005 9060
Fax: +33 1 6480 4104
lefrancbosi@lefrancbosi.com
service.commercial@seko.fr
www.lefrancbosi.com

GERMANY

■ Seko Deutschland GmbH

55252 Mainz - Kastel
Phone: +49 6134 2858 10
Fax: +49 6134 2858 29
info@seko-messtechnik.de
www.seko-germany.com

ITALY

■ Seko Spa

Via Salaria Km. 92,200
02010 S.Rufina - Rieti
Phone: +39 0746 605801
Fax: +39 0746 607072
sales@seko.com

ITALY

■ Seko Spa [Process & Sytems]

Via Di Vittorio, 25
20068 Peschiera Borromeo - Milano
Phone: +39 02 97372411
Fax: +39 02 55301744
info.psd@seko.com
info@seko.com

ROMANIA

■ Seko Sieta S.r.l.

400393 Cluj-Napoca
Phone: +40 264 415 251
Fax: +40 264 415 622
info.dpro@seko.com

RUSSIA

■ OOO Seko

129347 - Moscow
Phone: +74 99 182 52 36
Fax: +74 99 182 52 36
sekorussia@seko.com
www.sekorussia.ru

SINGAPORE

■ Seko Dosing Systems

Asia Pacific Pte Ltd

608838 Singapore
Phone: +65 6515 6996
Fax: +65 6515 5079
asiapacific@seko.com

SOUTH AFRICA

■ Seko Southern Africa (PTY) Ltd

Kyasand - Johannesburg - Gauteng
Phone: +27 11 704 6589
Fax: +27 11 704 6588
sales@sekosa.co.za

SPAIN

■ Seko Ibérica Sistemas de Dosificación S.A.

08960 Sant Just Desvern - Barcelona
Phone: +34 93 4802 570
Fax: +34 93 4802 571
sekoiberica@sekoiberica.com

SWEDEN

■ Seko Sweden

26123 Landskrona
Phone: +46 418 448 482
Fax: +46 418 448 483
info@seko.com

TURKEY

■ Seko Endüstriyel Pompalar ve Proses Sistemleri San. ve Tic. Ltd. Şti.

Kartal Istanbul
Phone: +90 216 353 2542
Fax: +90 216 353 1450
info@seko.com.tr
www.seko.com.tr

UNITED ARAB EMIRATES

■ Seko Middle East FZE

P.O. Box 42090 - Hamriyah Free Zone,
Sharjah
Phone: +971 65264982
Fax: +971 65264983
info@sekome.ae
sales@sekome.ae

UNITED KINGDOM

■ Seko UK

Chemical Controls Ltd

Harlow, Essex - CM19 5JH
Phone: +44 1279 423550
Fax: +44 1279 423993
seko.uk@seko.com
www.sekouk.com

USA

■ Seko Dosing Systems Corporation

Tullytown - PA 19007
Phone: +1 215 945 01 25
Fax: +1 215 945 09 37
sales@sekousa.com
www.sekousa.com

For more information
www.seko.com

