

S **AIW** **SUPER
ALKALI
ION
WATER**

PRODUCT

LINE **UP**

VERSION 1.3 DECEMBER 2020



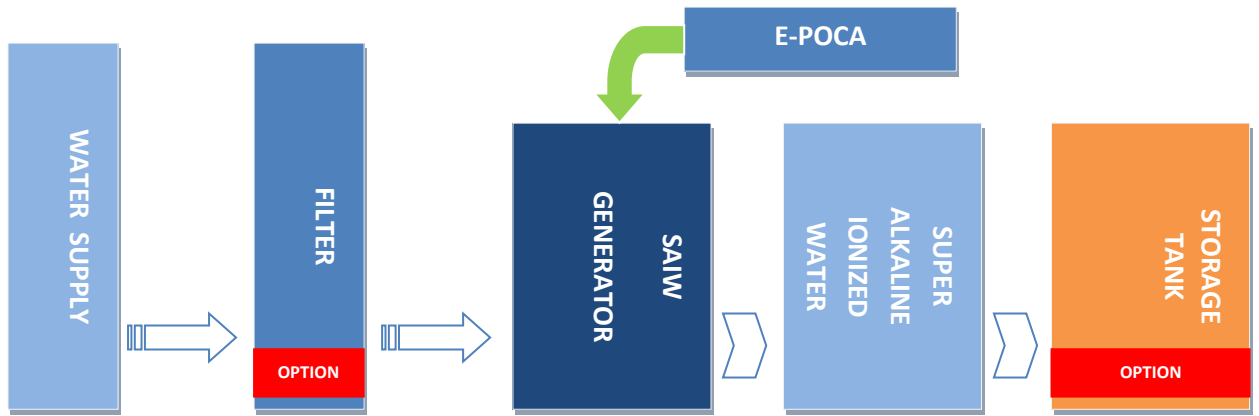
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GENERATOR OPTIONS AND FUNCTIONS



WATER SUPPLY Tap water, industrial water, ground water

FILTERS Remove impurities (calcium, etc.)
Select SO or RO filter type
**No filter required if soft water is available*

SAIW GENERATOR pH 11.5 , pH 12.5 or pH **13.1** strong alkaline electrolyzed water (super alkaline ion water) is generated without chlorine gas

E-POCA Food additive grade calcium carbonate

WATER SUPPLY Line up of storage tanks for SAIW from 100 L to 1 t. with full water stop function and pump

pH 12.5
GENERATOR

pH 13.2
GENERATOR

FILTER
OPTION

STORAGE
TANK
OPTIONAL

UF-15α

GENERATES 15 L./H. OF SAIW WITH pH 12.5



Power supply	<i>single phase 220 Volt 50/60 Hz.</i>
Power consumption	<i>350 W.</i>
Capacity	<i>15L. / h. / pH 12.5</i>
POCA throw/time	<i>E-POCA potassium carbonate flow</i>
E-POCA input / 90 gr.	<i>2 bags (approx. 60~80 L. of SAIW pH 12.5)</i>
Electrolysis cell	<i>needs to be changed after 3.000 hours of operation</i>
Machine dimensions	<i>260 (W) x 195 (D) x 600 (H) in mm.</i>
Weight of machine	<i>10 Kg.</i>
Filter type	<i>SO unit or RO unit (RO-15)</i>
Storage tank	<i>Optional</i>

pH 12.5

UF-15α-CU

GENERATES 15 L./H. OF SAIW WITH pH 12.5



Power supply	<i>single phase 220 Volt 50/60 Hz.</i>
Power consumption	<i>400 W.</i>
Capacity	<i>15 L. / h. / pH 12.5</i>
E-POCA throw/time	<i>E-POCA potassium carbonate flow</i>
E-POCA input/ 90 gr.	<i>2 bags (approx. 60~80 L. of SAIW pH 12.5)</i>
Electrolysis cell	<i>needs to be changed after 3.000 hours of operation</i>
Machine dimensions	<i>460 (W) x 610 (W) x 1650 (H) in mm.</i>
Weight of machine	<i>60 Kg.</i>
Filter type	<i>SO unit or RO unit (RO-15)</i>
Storage tank	<i>100 L. / full water stop with pump</i>

pH 12.5

UK-01

COMPACT GENERATOR, GENERATES 3 TYPES of pH WATER



Power supply	<i>single phase 220 Volt 50/60 Hz.</i>
Power consumption	<i>300 W.</i>
Capacity	<i>2 L. generation method per time</i>
E-POCA throw/time	<i>E-POCA potassium carbonate flow</i>
E-POCA input / 90 gr.	<i>1 bag (approx. 30~40 L. of SAIW pH 12.5)</i>
Electrolysis cell	<i>needs to be changed after 500 operation hrs.</i>
Machine dimensions	<i>270 (W) x 290 (D) x 590 (H)</i>
Weight of machine	<i>10 Kg.</i>
Filter type	<i>activated carbon, ion exchange filter (built-in-machine)</i>
Storage tank	<i>optional</i>
Usage guidelines	<i>production of small amount of SAIW</i>

pH 11.5 pH 12.5 pH 13.1

UF-30

GENERATES 30 L./H. OF SAIW WITH pH 12.5



Power supply	<i>single phase 220 Volt 50/60 Hz.</i>
Power consumption	<i>500 W.</i>
Capacity	<i>30 L./ h. / pH 12.5</i>
E-POCA throw/time	<i>E-POCA potassium carbonate flow</i>
E-POCA input / 540 gr.	<i>2 bags (approx. 180~240 L. of SAIW pH 12.5)</i>
Electrolyte cell	<i>installed 2 units to be changed after 3.000 hours of operation</i>
Machine dimensions	<i>980 (W) x 610 (D) x 1.600 (H) in mm. *with RO</i>
Weight of machine	<i>80 Kg.</i>
Filter type	<i>RO unit (RO-30)</i>
Storage tank	<i>Optional</i>

pH 12.5

UF-60

GENERATES 60 L./H. OF SAIW WITH pH 12.5



Power supply	<i>single phase 220 Volt 50/60 Hz.</i>
Power consumption	<i>1000 W.</i>
Capacity	<i>60 L./h./ pH 12.5</i>
E-POCA throw/time	<i>E-POCA potassium carbonate flow</i>
E-POCA input / 540 gr.	<i>4 bags (approx. 360~480 L. of SAIW pH 12.5)</i>
Electrolysis cell	<i>installed 4 units to be changed after 3.000 hours of operation</i>
Machine dimensions	<i>980(W) x 610(D) x 1.600(H) in mm.</i>
Weight of machine	<i>100 Kg.</i>
Filter type	<i>RO unit (RO-60)</i>
Storage tank	<i>optional</i>

pH 12.5

UB-113-L

GENERATES 4 L./H. OF SAIW WITH pH 13.1



Power supply	<i>single phase 220 Volt 50/60 Hz.</i>
Power consumption	<i>400 W.</i>
Capacity	<i>4 L. / 1.25h. / pH 13.2</i>
E-POCA throw/time	<i>E-POCA potassium carbonate flow</i>
E-POCA input / 540 gr.	<i>2 bag (approx. 96 L. of SAIW pH 13.2)</i>
Electrolysis cell	<i>installed 1 unit to be changed after 2.000hours of operation</i>
Machine dimensions	<i>800(W) x 560(D) x 1.490(H) in mm.</i>
Weight of machine	
Filter type	<i>SO filter unit (standard equipment)</i>
Storage tank	<i>optional</i>

pH 13.1

**RO FILTER UNIT
RO -15**

FILTER SUPPORTS GENERATION OF 15 L./h. TO PURE WATER



RECOMMENDED HARDNESS	40 mg. / L.
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**If the hardness of water more than 40 mg/L , it is necessary to change it frequently.*

Filter	1. 5 micron	Exchange with 8.000 L. generation
	2. activated carbon	Exchange with 8.000 L. generation
	3. 1 micron	Exchange with 8.000 L. generation
	4. reverse osmosis membrane	Exchange with 45.000 L. generation
Size	Full width (W)	370 mm.
	Depth (D)	190 mm.
	Overall height (H)	510 mm.
	Body only	10 Kg.
	When passing water	15 kg.
Material	Housing	White part: polypropylene / Transparent part: AS resin Membrane: polypropylene
	Cartridge	5 μ: polypropylene / 1 μ: polypropylene Activated carbon: block carbon Membrane: complex poly compound
Pump		Single phase 220 V. 50/60 Hz.
Tube Material	Material	Urethane
	Inner diameter / Outer diameter	4 mm. / 6 mm.
Upper and lower limits of supply water pressure		0.2~0.4Mpa



**SO FILTER UNIT
SO -15**

FILTER SUPPORTS GENERATION OF PURE WATER



This filter is the stand of the machine

UF15α

UK-01

RECOMMENDED HARDNESS	41 mg. / L.
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**If the hardness of water more than 40 mg/L , it is necessary to change it frequently .*

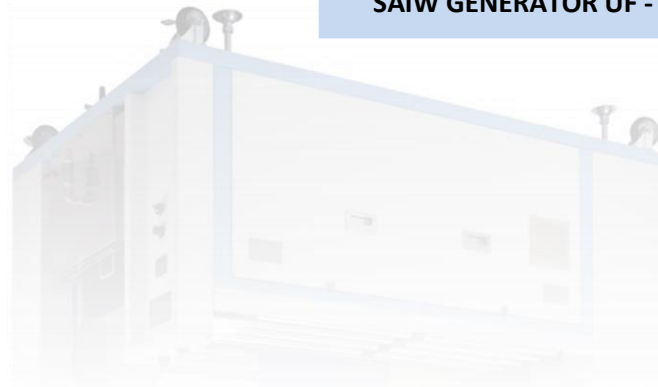
Filter	1. Activated carbon	Exchange with 1.600 L. generation
	2. Ion exchange resin	Exchange with 1.600 L. generation
Size	Full width (W)	260 mm.
	Depth (D)	210 mm.
	Overall height (H)	600 mm.
Weight	Body only	8 Kg.
	When passing water	10 Kg.
Material	Housing	Lower container: AS / Upper lid PP / Rubber part NBR Air bleed button: PP / Air bleed screw: SUS304
	Cartridge	Water softener / container PP / rubber EPDM
Upper and lower limits of supply water pressure		0.2~0.4Mpa

MSW - 1000

CLEANING, DEGREASING AND RUST PREVENTION OF METAL SHEETS WITH SAIW



SAIW GENERATOR UF - 19a - CU is included



Full width		1700 mm.
Depth		1000 mm.
Total height		1050 mm
Weight		420 Kg.
Washing target	<i>Passing height</i>	830 mm.
	<i>Maximum width</i>	1000 mm.
	<i>Maximum length</i>	150 mm.
Passing speed		0 ~ 2,8 m/s (50 Hz) , 0 ~ 3,4 m/s (60 Hz)
Water absorption roller		diameter 60 mm. x 1000 mm.
Power supply		3-phase, 220 Volt, 10 kW.



pH 11.5 SAIW mainly used for cleaning and washing purposes.

pH 12.5 SAIW mainly used for disinfection and sterilization.

pH 13.2 SAIW mainly used for industrial applications.

E-Plan Co. Ltd. is developer and producer of SAIW production machines and super alkaline ion water. (SAIW)

Mirai Lab. INC. is appointed as sales company of E-Plan

Axatron S.r.l. is official sales partner of E-Plan and Mirai Lab for European countries.

For industrial cleaning solutions please contact us.

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SUSTAINABLE DEVELOPMENT GOALS



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