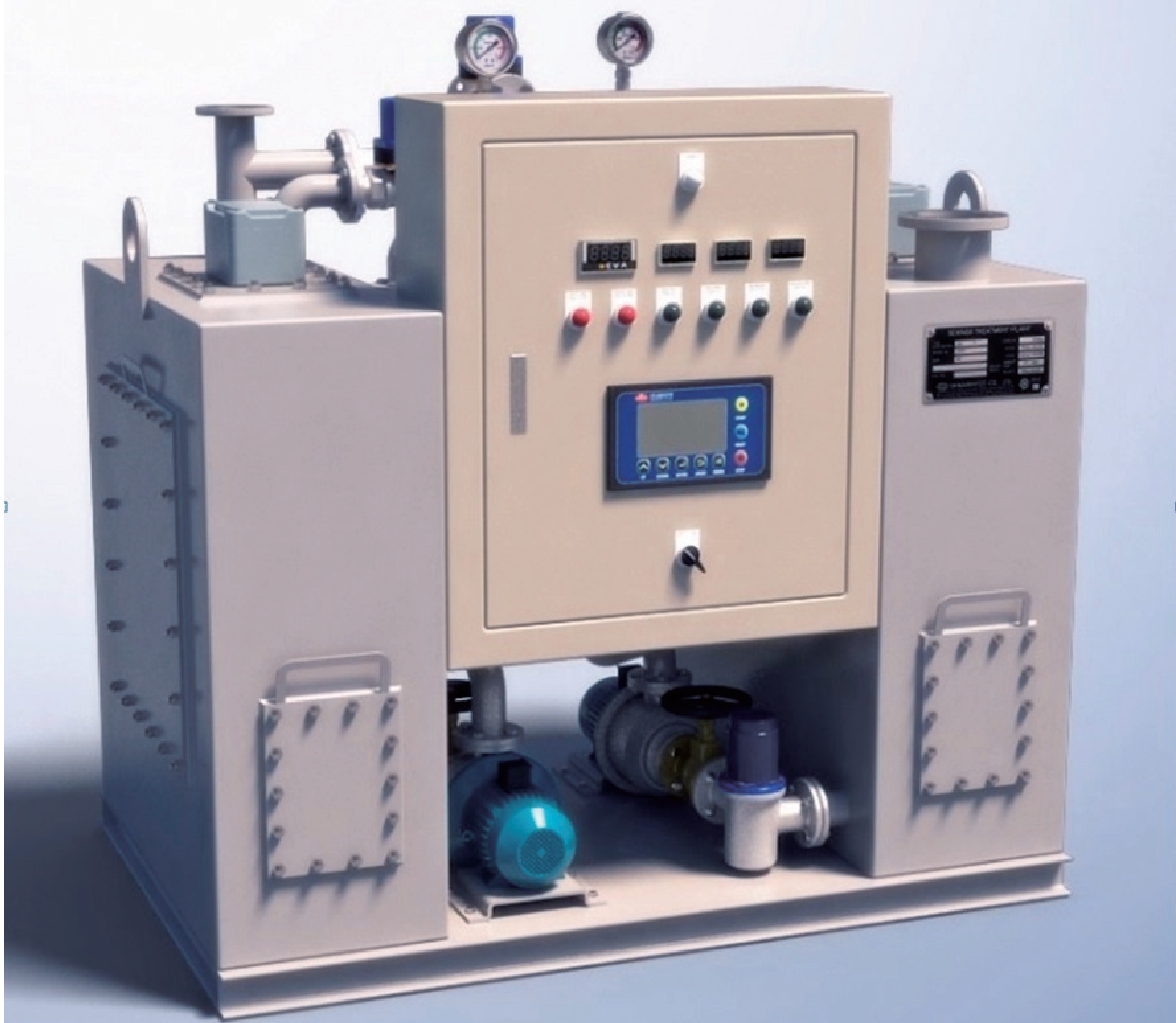


SEWAGE TREATMENT PLANT



MEPC.227(64) Discharge limits	
Description	MEPC.227(64)
Faecal-Thermotolerant Coliforms	100/100 ml
Suspended Solids	35mg/l
BOD5	25 mg/l
COD	125 mg/l
Chlorine	0.5 mg/l
T-N	20 mg/l
T-P	1.0 mg/l

1. EASY INSTALLATION

Disassembly and assembly method that can quickly remove and install old or defective products installed on existing ships

2. EASY OPERATION

Easy operation and management by adopting an intuitive OS with a touch screen method

3. EASY MAINTENANCE

There is no sludge with a separate powerful pulverizing motor, and the patented automatic electrode cleaning (Auto Back Flusing) method Convenient maintenance without pipe clogging

Feature

1. Convenient operation

As digital system by electro control, (when the plug in) this plant operates itself automatically(No need Back-flushing process by hand).

2. Outstanding efficiencies

This plant is suitable for black water with fast Sewage Treatment (10~15min/cycle).

3. Saving costs

This plant saves a lot of costs comparing to other STP like biological method and has other benefits like compact, emulsion treatment, etc.

4. Powerful sterilizing action

By Electrolysis Method.
- Our plant is fully satisfied with tightened IMO regulations of MPEC 227(64) recently.

5. Convenient management

Using by knock-down system for easier installation.

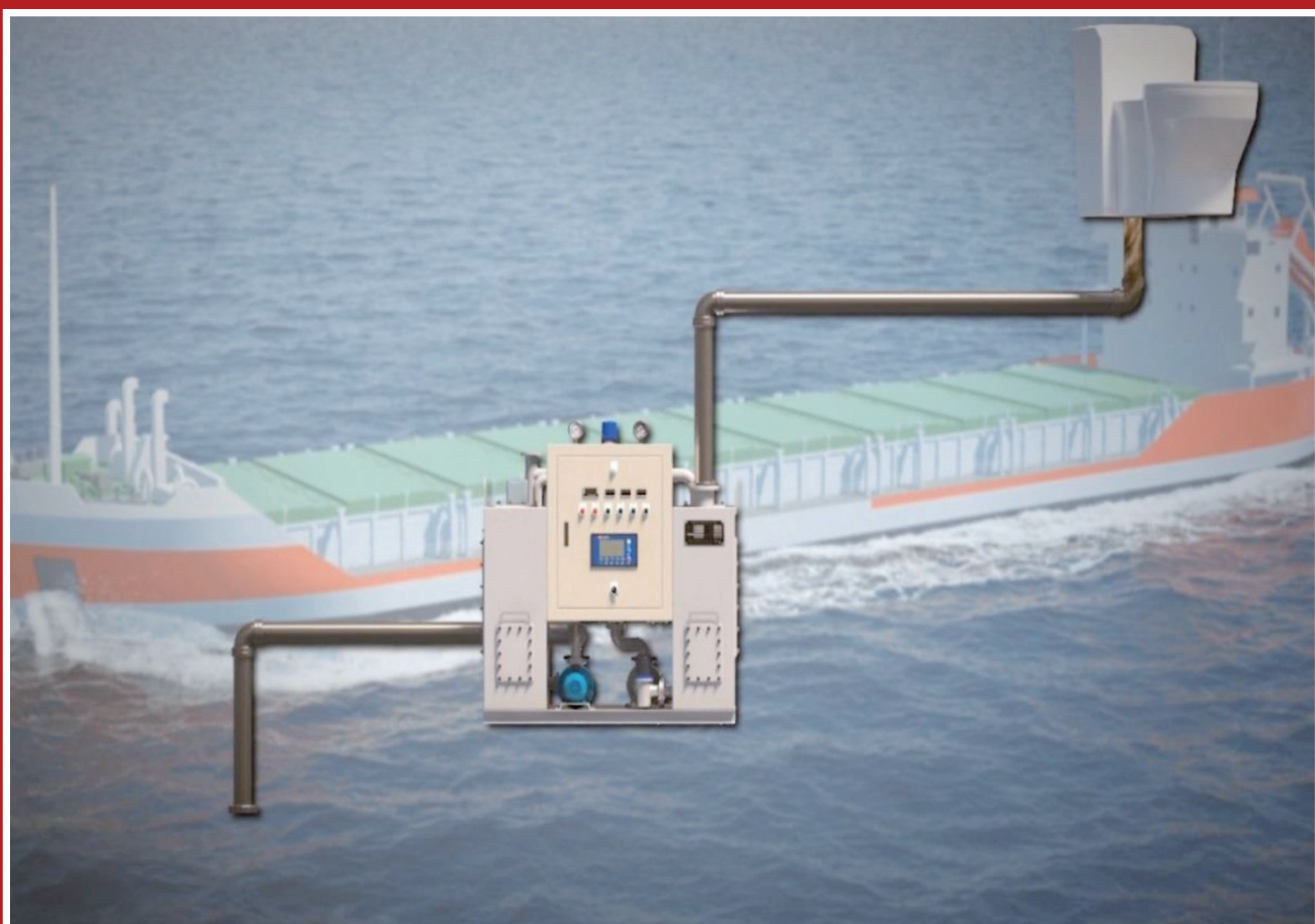
☑ PRODUCT VIEW(SM-P SERIES)



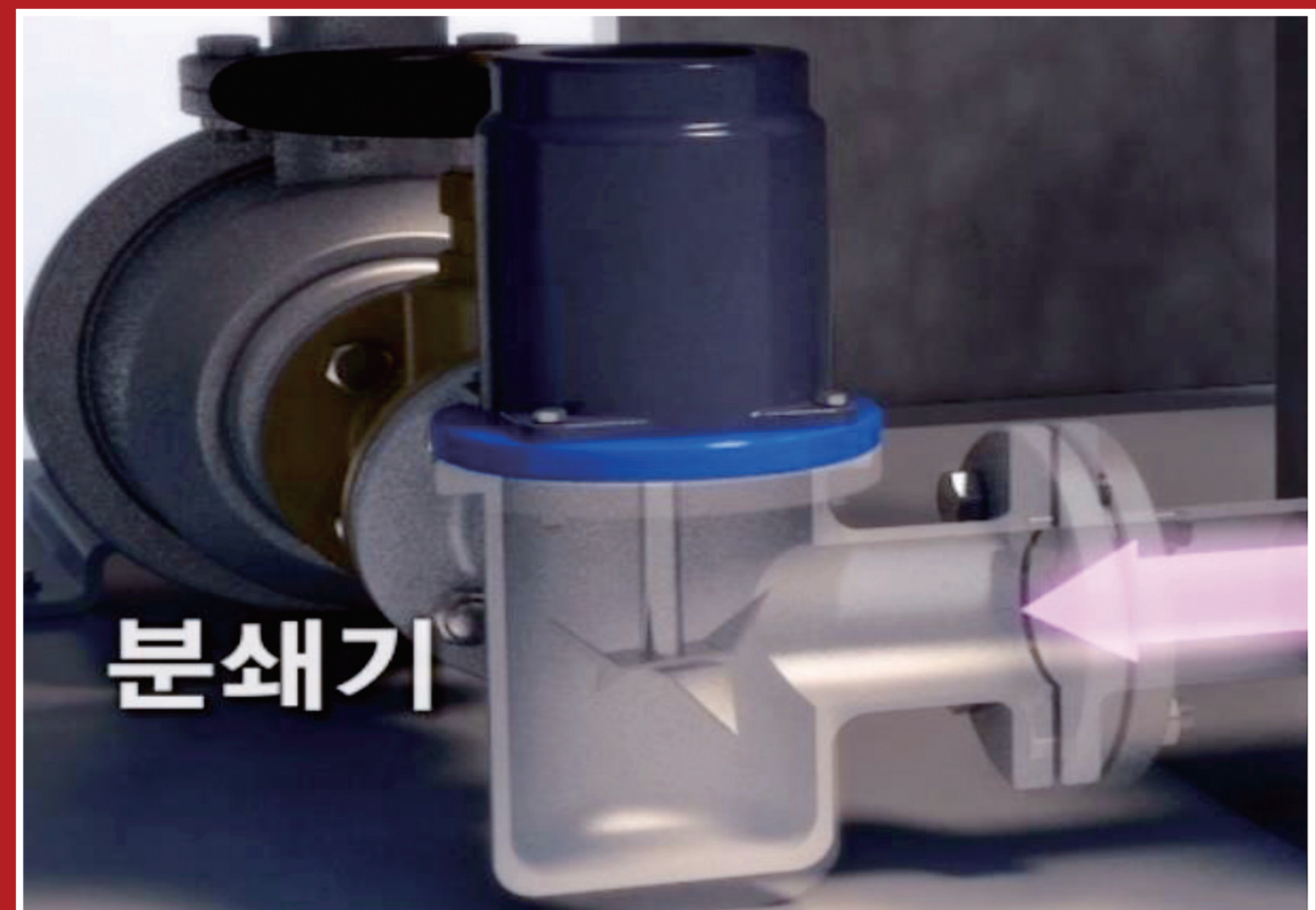
- Disassembly-



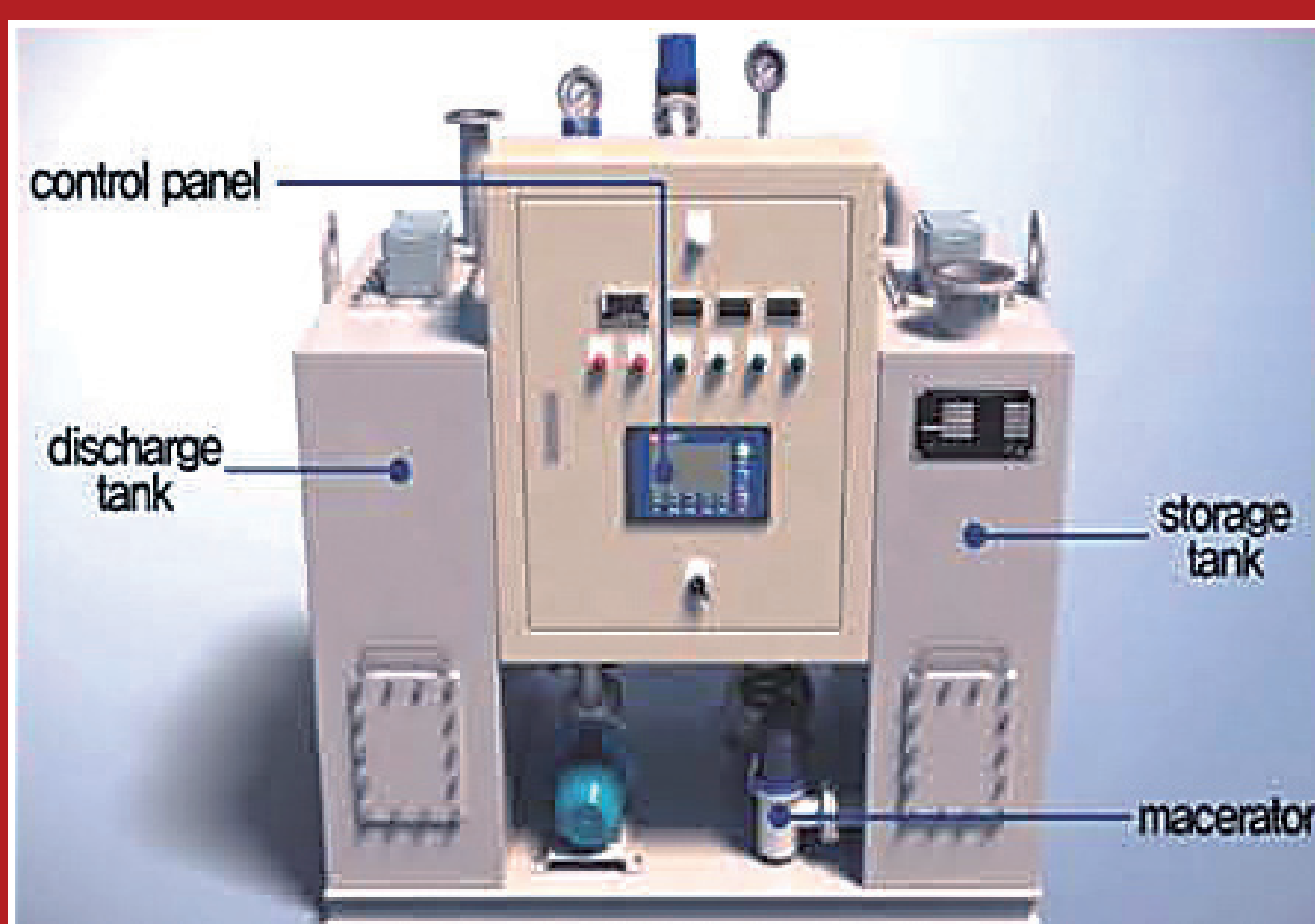
- Reassembly after moving-



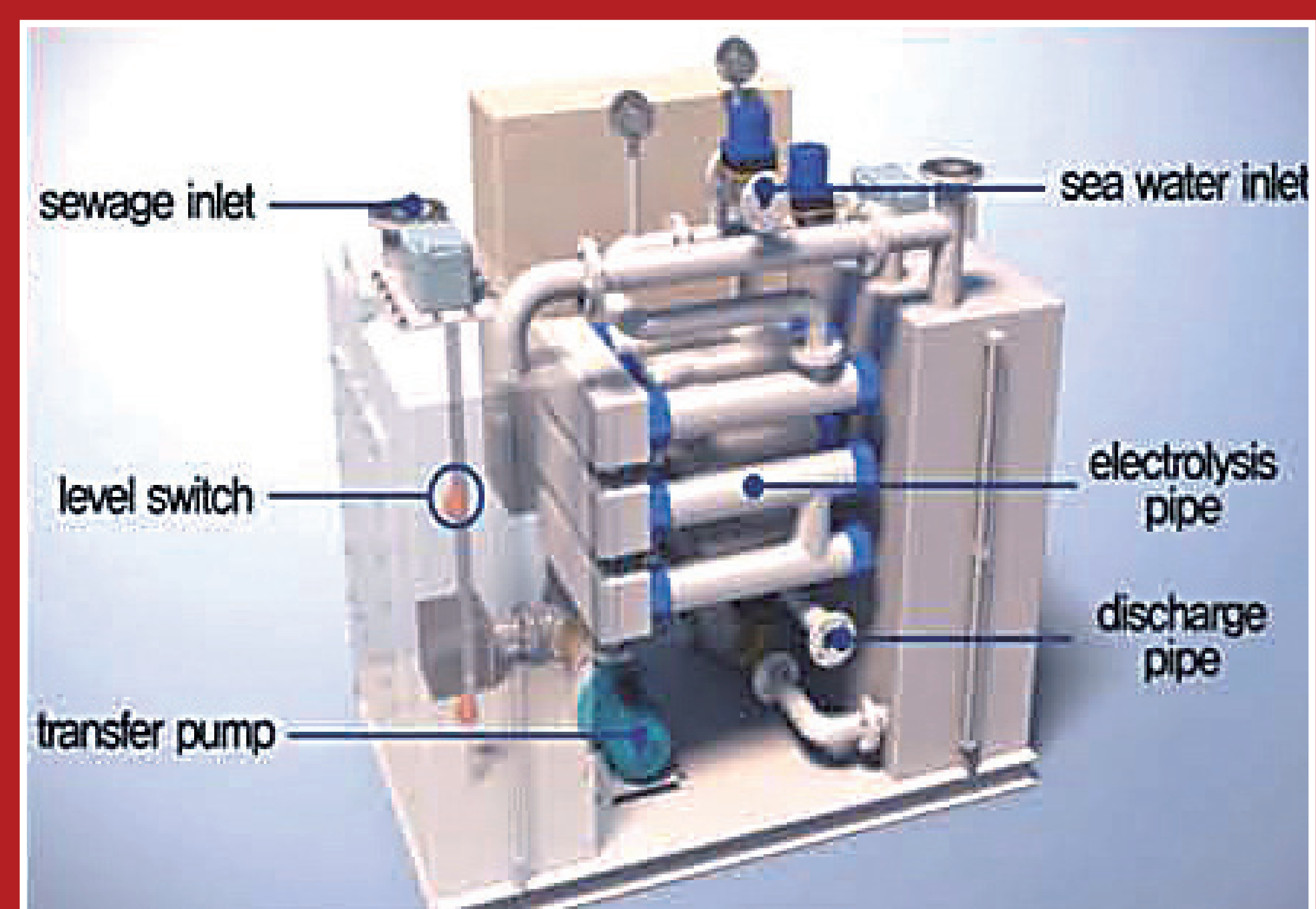
- Powerful macerator -



- Installation completed-

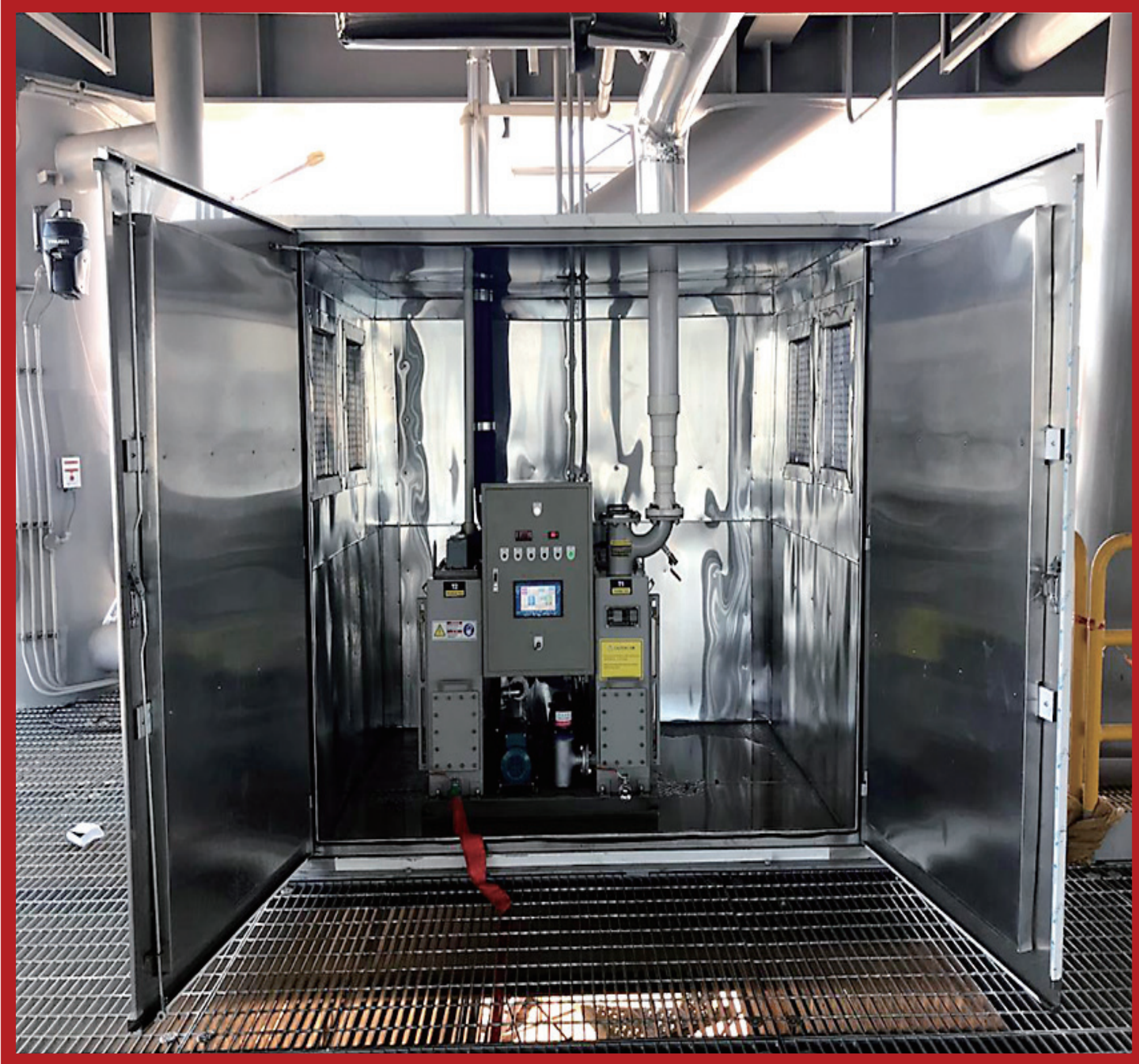


- Front View -



- Rear View -

☑ CASE OF INSTALLATION



- KEPCO offshore substation -



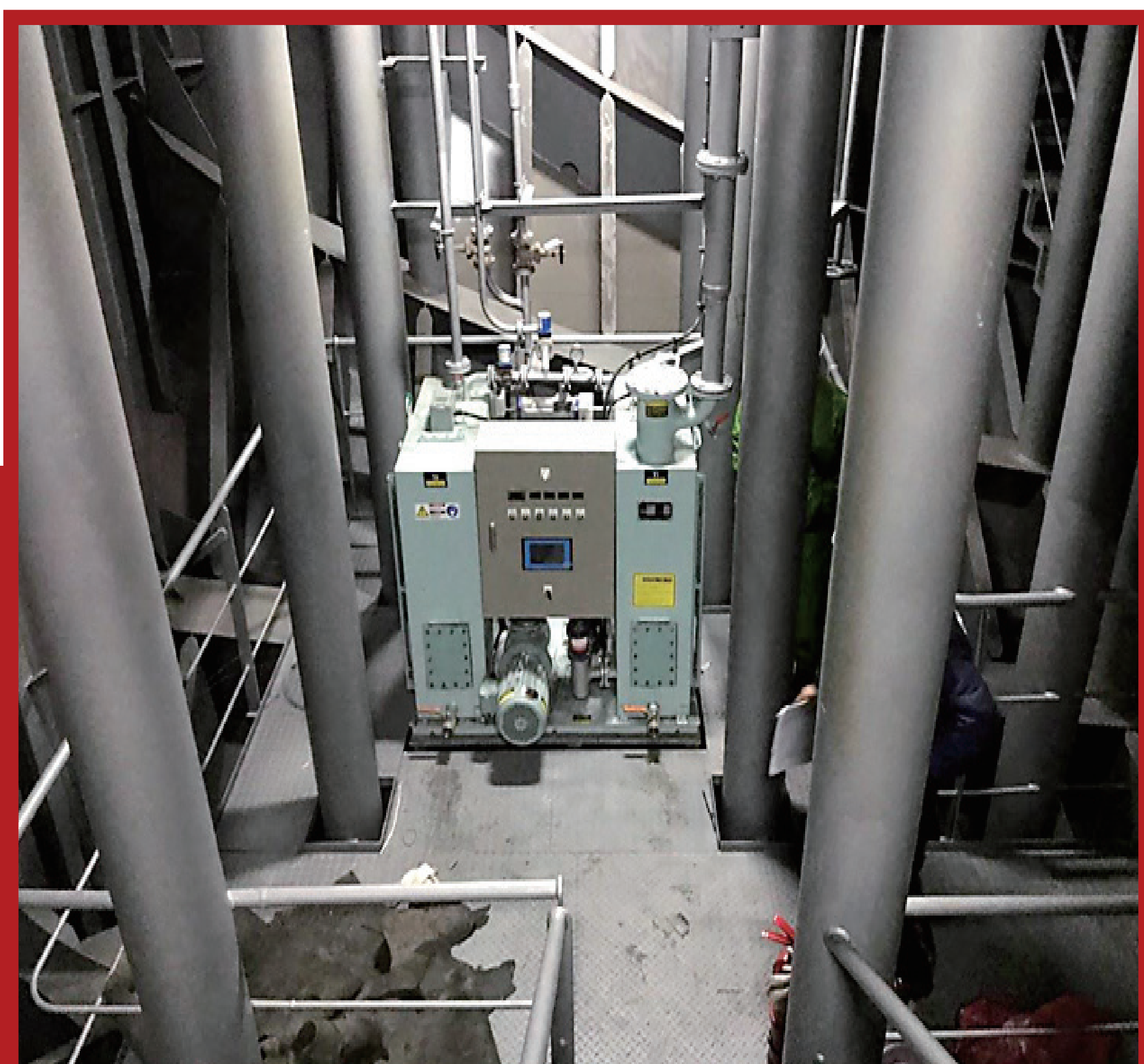
- Korea Coast Guard Vessel -



- Korea Coast Guard Pollution Control Vessel -



- Ministry of Oceans and Fisheries
route marker -



- Korea National Oil Corporation
drilling ship -



- Jeju Carferry -



- Government Fishery Guidance
Line Vessel Vacuum System -



- Korea Institute of Ocean Science and
Technology research vessel -



- Nigeria Patrol Vessel sewage
comminuting & disinfecting equipment -

TECHNICAL DATA

Type	Number of Persons	Hydraulic Load [m³/d]	Organic Load [kg BOD5/d]	Length [mm]	Width [mm]	Height [mm]	Dry Weight [kg]	Wet Weight [kg]
SM-16P	16	1.3	0.86	1,100	770	1,230	430	555
SM-25P	25	2.0	1.35	1,200	770	1,230	463	603
SM-35P	35	2.8	1.89	1,300	770	1,300	496	666
SM-45P	45	3.6	2.44	1,300	870	1,300	528	724
SM-60P	60	4.8	3.25	1,300	870	1,400	561	779
SM-80P	80	6.4	4.33	1,400	870	1,400	594	849
SM-100P	100	8.	5.42	1,400	970	1,500	627	945
SM-150P	150	12	8.13	1,600	970	1,600	640	1,039
SM-300P	300	24	16.27	2,400	970	1,800	973	1,948
SM-450P	450	36	24.40	3,200	970	1,800	1,100	2,560
POWER	220V, 380V, 415V, 440V / 50Hz, 60Hz / 3Ø							

SM-P SERIES ADVANTAGE

Small and light Knock-Down method, automatic Back-Flushing function by digital board method.
Fuel efficiency saving costs, short establishing time and no back- flushing by 100% automatic operation.

Disinfection and resolution during sewage treatment in the pipe without any separate electrolysis (patent registration article 10-1245310).
No need to worry about any leakage under even high pressure and heat.

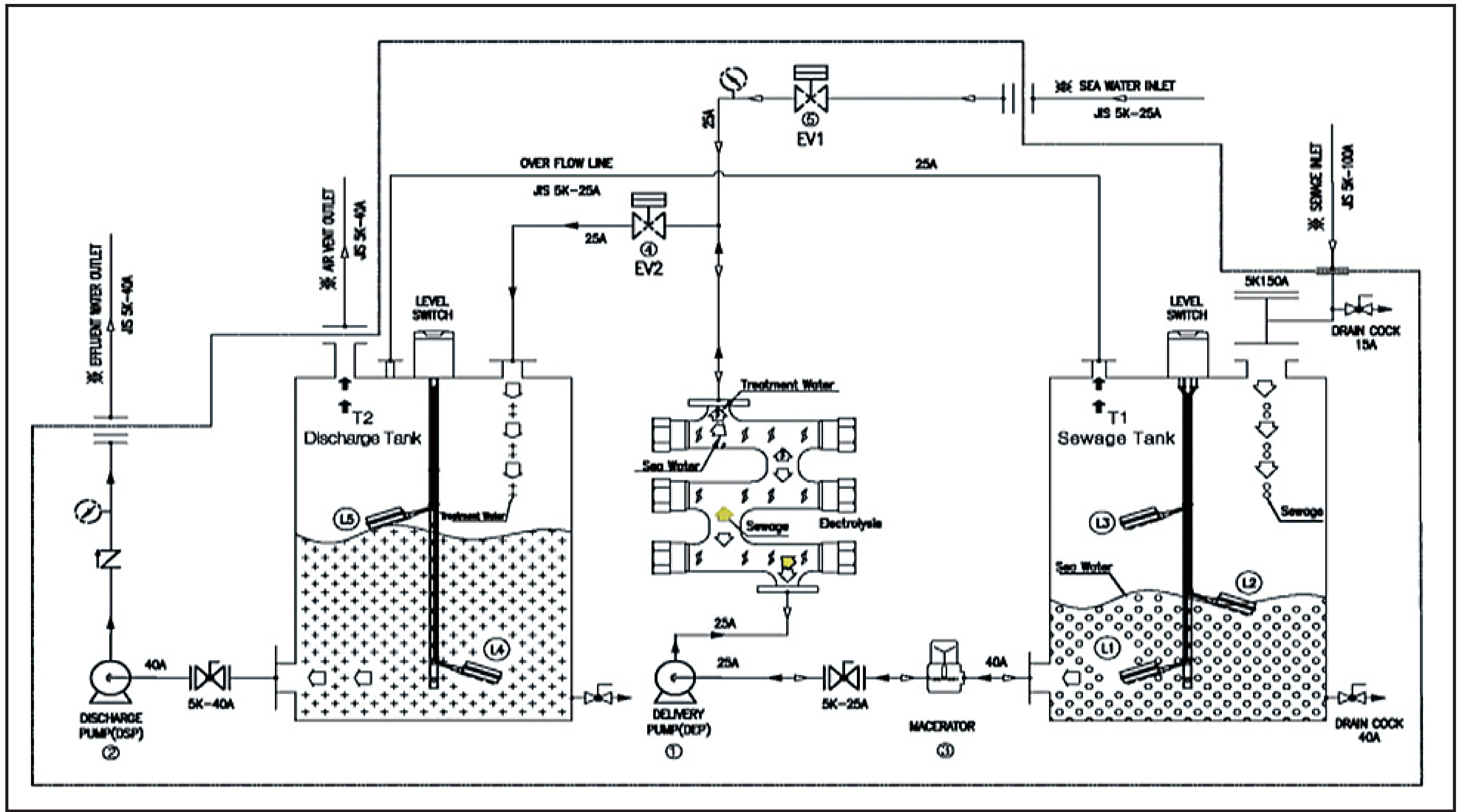
Approved sewage treatment test to meet more consolidated performance criteria according to IMO MEPC.
Satisfy the domestic and international performance criteria-IMO-Resolution MEPC. 227(64)

Approved sewage treatment test to meet CE standard by the design considering the safety.
Safety assurance adopting the advanced explosion proof types against the key components.

Saving chemical costs, etc.
Automatic generation of hypo-chlorous (Hocl) acid eliminating coliforms bacillus and bad smell.

Free of charge for Main Parts for 2 years.
Electrolysis Tubular pipe and main board are served free of charge for 2 years and perfect After Service.

FLOW DIAGRAM(AUTO BACK-FLUSHING)



PATENT AND CERTIFICATES



ISO9001



Excellent Performance Cert



Green Technology Cert.



Green Product Cert.



MED Cert.



KST Type Approval



CCS Type Approval



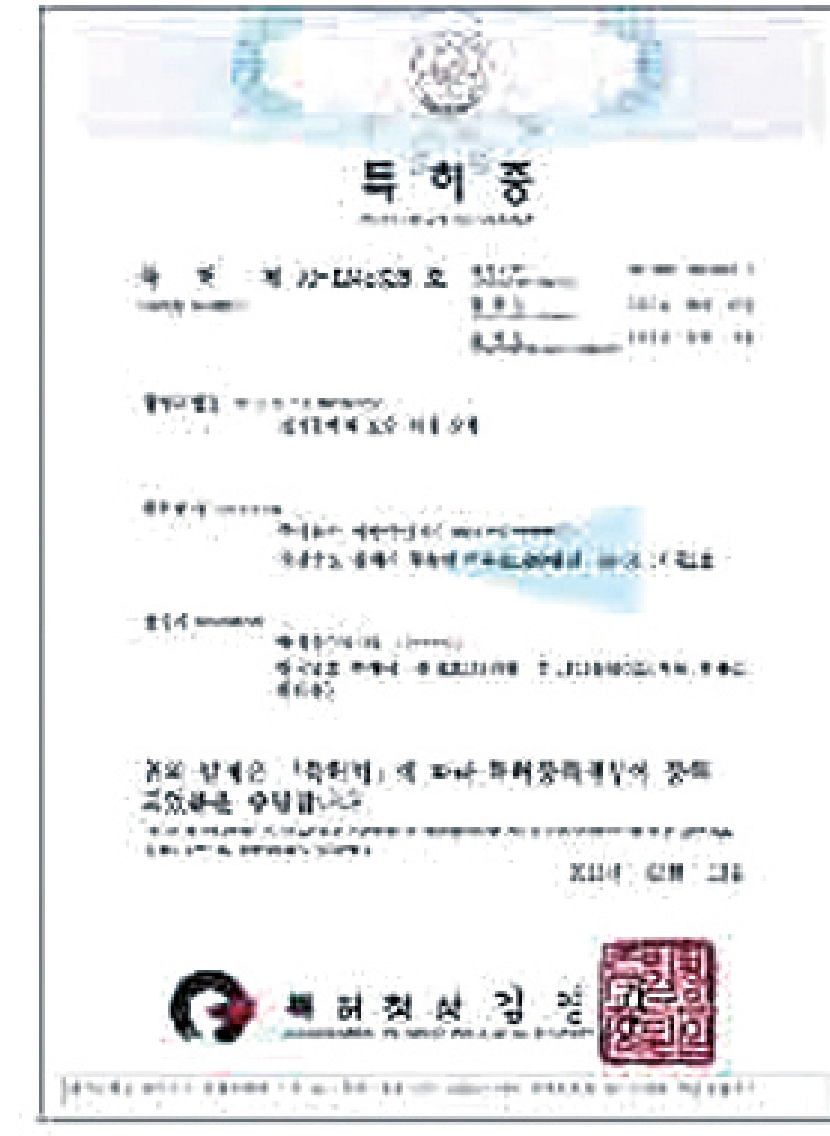
RINA Type Approval



CR Type Approval



WPS-RINA



Patent 1



Patent 2