

SEWAGE TREATMENT PLANT

SWCM-20 Sewage Treatment Plant

Product Description: The SWCM type marine sewage treatment plant uses activated sludge, contact oxidizing and principle of biologic membrane to digest the organic pollutant, which can treat sewage effectively a...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Sewage Treatment Plant
Standard	GB
Weight / Size	3.Adopting the "MBR" technology, devices allow to the narrow size, and s...
Certificate	EC, GL, CCS, BV
We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.	

Technical Specifications

Category	Sewage Treatment Plant	Model / SKU	SWCM-20-Sewage-Treatment-Plant
Standard	GB	Weight / Size	3.Adopting the "MBR" technology, devices allow to the narrow size, and solve the conflict of small space of cabin, but big volume of device.
Surface	5.The device is adopting the principle of"air-lifting"to transfer the sludge from sediment tank and membrane tank to aeration tank, meantimes the"pump stops and air never stopped", so as the scale on the membrane surface comes down.	Certificate	EC, GL, CCS, BV
Warranty	12 Months unless specified otherwise	Origin	China

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■ Product Description:

■ Technical Feature:

■ Working Principle:

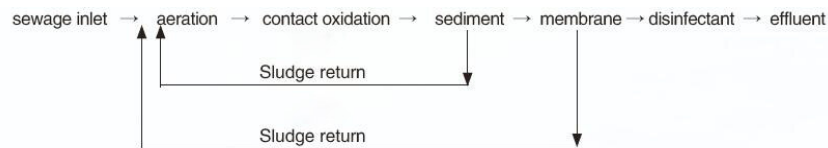
■ Technical Data:

Product Description:

The SWCM type marine sewage treatment plant uses activated sludge, contact oxidizing and principle of biologic membrane to digest the organic pollutant, which can treat sewage effectively and reach at the IMO MEPC. 227(64) new effluent standard or other stricter requirements.

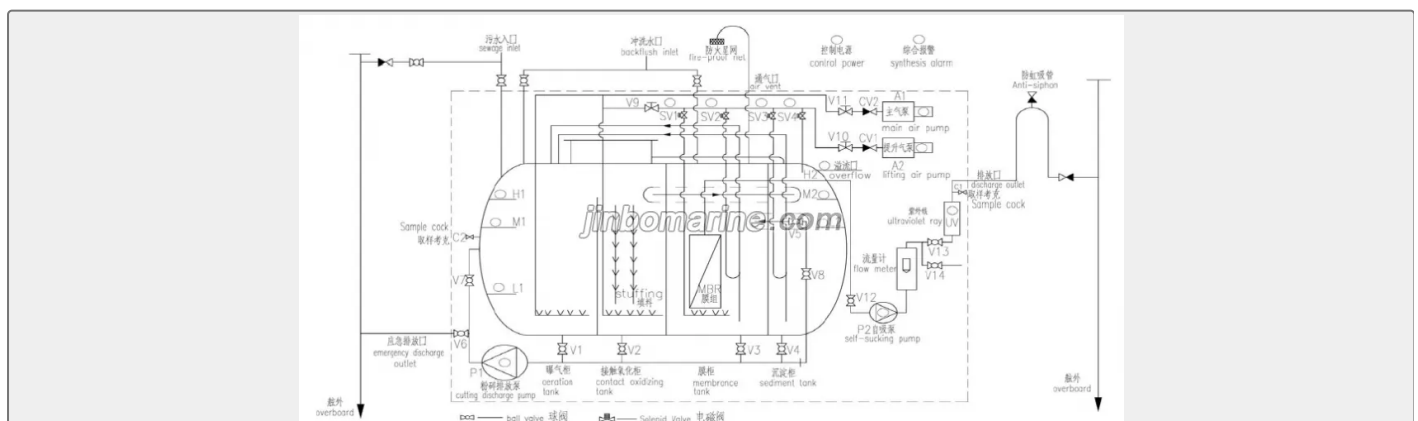
Working Principle:

The device adopts activated sludge, contact oxidizing and principle of biologic membrane to digest the organic pollutant, which can treat sewage effectively and meet the IMO new effluent standard or other stricter requirements.



Technical Feature:

1. Adopting horizontal circular design, ellipse closures on both ends, pressure resistance and compact structure.
2. The device is adopted auto-control, and compliance with the requirement of 24-hours unattended cabin.
3. Adopting the "MBR" technology, devices allow to the narrow size, and solve the conflict of small space of cabin, but big volume of device.
4. The intermittent aeration in bio-membrane tank and hollow fiber membrane tank, form the process of "aerobic - anoxic", and resolve the problem of "nitrogen and phosphorus removal".
5. The device is adopting the principle of "air-lifting" to transfer the sludge from sediment tank and membrane tank to aeration tank, meantime the "pump stops and air never stopped", so as the scale on the membrane surface comes down. Due to back flushing and clean the membrane "online" used technology patent.
6. "On-line" cleaning technology, making the dirt on membrane off automatically, recover membrane flux. It can be solved the problem of opening the cleaning or replacement of membrane difficultly caused by the small space in cabin.
7. The effluent after further treatment can be reached at the requirement of "water recovery".



Technical Data:

model		SWCM															
		10	15	20	25	30	40	50	60	80	100	120	150	200	250	300	400
Treat ed Load	Average load (L/d)	840	1190	1540	1890	2310	3080	3780	4480	6020	7700	9100	11200	14700	18200	23100	30800
	Peak load (L/h)	105	149	193	237	289	385	473	560	753	963	1138	1400	1838	2275	2888	3850
	Organic load (kgBOD5/d)	0.42	0.60	0.77	0.95	1.16	1.54	1.89	2.24	3.01	3.85	4.55	5.60	7.35	9.10	11.55	15.40
Rate capacity(P)		10	15	20	25	30	40	50	60	80	100	120	150	200	250	300	400
Max capacity(P)		12	17	22	27	33	44	54	64	86	100	130	160	210	260	330	440
Electricity		AC380V.50Hz.3Φ/AC440V.60Hz.3Φ															
Power(KW)		2.25	2.25	2.50	2.50	2.50	3.00	3.00	3.50	4.00	4.00	4.00	6.00	6.00	7.00	9.00	11.00
External dimennsions Length*width*height (mm)		1350	1850	1660	1890	1980	2270	2300	2650	2790	2706	3000	3080	3630	3880	4780	5980
		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		1200	1200	1400	1400	1500	1600	1700	1700	1900	2000	2000	2200	2200	2400	2400	2400
		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		1370	1400	1550	1560	1650	1700	1820	1830	2050	2200	2200	2300	2350	2570	2600	2600
Weig ht	Dry weight (kg)	900	1000	1000	1100	1200	1300	1450	1600	1850	2200	2300	2800	3000	3300	3700	4200
	Wet weight (kg)	1775	2283	2640	2740	3500	4400	5073	5270	6517	8268	9166	11340	13267	16538	20357	25417
Discharge standard		TSS>35mg/L . BOD>25mg/L . COD>125mg/L . Colichin>100/100ml . PH:6~8.5															