WATER TREATMENT EQUIPMENT

AFGU Fresh Water Generator

ISO9001 Supplier

Class Certificate

Export Supply

Product Description AFGU series fresh water generator is a marine fresh water generator which is tube type by vacuum vapor evaporating. The unit installed on board can product the drinking water for bo...



Key Highlights

Category	Water Treatment Equipment
Standard	EN
Material	Steel
Weight / Size	Technical Data Type AFGU E1.5 E7 E15 S15 E25 S25 E36 S36 S50 Capacity m3...
Certificate	CCS BV ABS GL

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Water Treatment Equipment	**Model / SKU**	AFGU-Fresh-Water-Generator
Standard	EN	**Material**	Steel
Weight / Size	Technical Data Type AFGU E1.5 E7 E15 S15 E25 S25 E36 S36 S50 Capacity m3/h 1.5/1 7/5 15/12 15/12 25/20 25/20 36/30 36/30 50/40 Heat consunmption kw 45/30 205/150 430/354 430/354 720/570 720/570 1030/860 1030/860 1430/1140 Heat Exchanger Flow m3/h 6/2 28/12 58/31 58/31 87/48 87/48 131/78 131/78 160/90 Temp.differencet℃ 6.5/13 6.5/11 6.5/10 6.5/10 7/10 7/10 6.5/9.5 6.5/9.5 7.5/11.5 Pressure Loss Bar 0.07/0.01 0.19/0.03 0.38/0.14 0.38/0.14 0.39/0.14 0.39/0.14 0.37/0.15 0.37/0.15 0.45/0.15 condenser Flow m3/h 4 16 35 35 44 44 77 77 100 Temp.differencet℃ 9/6 10.5/7.5 10/8 10/8 13.5/10 13.5/10 11/6 11/6 12/9.5 Pressure Loss Bar 0.29 0.39 0.32 0.32 0.35 0.35 0.28 0.28 0.31 AFGU(mm) 1E 1S(E) 1.5 7 15 25 36 50 L 750 1085 1450 1690 2130 2148 B 600 835 1079 1230 1455 1527 H 1150 1390 1678 1895 1960 2063 H/L/W 1600*1250 *950 1580*1250 *1170 1680*1250 *1970 1880*1450 *2170 2280*1650 *2270 2280*1650 *2270 Pull out cond(C) 700 1400 1700 1900 2300 2500 Pull out cond(A) - - 1110 1450 1705 1800 Net weight(kg) 480 530 675 1250 1410 1850 Weight(kg) 600 750 920 1500 1680 2130 Weight with full water(kg) 290 930 1600 2100 2760 4000 Weight work.water(kg) 250 600 900 1500 1700 2500 Dimensions 32 65 80 100 140 150 Cooling water conn.	**Certificate**	CCS BV ABS GL
Warranty	12 Months unless specified otherwise	**Origin**	China

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Product Description

AFGU series fresh water generator is a marine fresh water generator which is tube type by vacuum vapor evaporating.

The unit installed on board can product the drinking water for boiler and water for other purpose. After the unit is used on board, the fresh water storage on board can be reduced and carrying capacity of the cargo is highly increased.

The fresh water generator is suitable for passenger ships, ocean vessels offshore platforms and various diesel vessels.

Technical Features

As the unit uses the waste of the jacket cooling water, it is no energy consumption. It is about 7KWH power consumption for making 1 m3fresh water.

As the separator is used in the vapor evaporation chamber, the fresh water produced is of a high purity tubes and the jacket cooling water passes though the outside of the heating tubes. In this case the staying time of the sea water and brine in the heating exchanger are reduced and partial

Concentration of brine is reduced simultaneously.

The high vacuum in the vapor evaporation chamber is kept by the water ejector, therefore, the evaporation is carried out under low temperature. There is a little scale formation in the heating tubes. The production capacity of the fresh water can be reached without removing the scale in a long time.

The fresh water generator unit is of a small vertical structure. The additional condensate pump and all fittings are assembled on a common base plate. It takes a small space for installation. Both existing ships and new built ships can easily install such unit.

Technical Data

Type AFGU		E1.5	E7	E15	S15	E25	S25	E36	S36	S50
Capacity m3/h		1.5/1	7/5	15/12	15/12	25/20	25/20	36/30	36/30	50/40
Heat consunmption kw		45/30	205/150	430/354	430/354	720/570	720/570	1030/860	1030/860	1430/1140
Heat Exchanger	Flow m3/h	6/2	28/12	58/31	58/31	87/48	87/48	131/78	131/78	160/90
	Temp.differencet ℃	6.5/13	6.5/11	6.5/10	6.5/10	7/10	7/10	6.5/9.5	6.5/9.5	7.5/11.5
	Pressure Loss Bar	0.07/0.01	0.19/0.03	0.38/0.14	0.38/0.14	0.39/0.14	0.39/0.14	0.37/0.15	0.37/0.15	0.45/0.15
condenser	Flow m3/h	4	16	35	35	44	44	77	77	100
	Temp.differencet ℃	9/6	10.5/7.5	10/8	10/8	13.5/10	13.5/10	11/6	11/6	12/9.5
	Pressure Loss Bar	0.29	0.39	0.32	0.32	0.35	0.35	0.28	0.28	0.31

AFGU(mm)	1E		1S(E)			
	1.5	7	15	25	36	50
L	750	1085	1450	1690	2130	2148
B	600	835	1079	1230	1455	1527
H	1150	1390	1678	1895	1960	2063
H/L/W	1600*1250 *950	1580*1250 *1170	1680*1250 *1970	1880*1450 *2170	2280*1650 *2270	2280*1650 *2270
Pull out cond(C)	700	1400	1700	1900	2300	2500
Pull out cond(A)	-	-	1110	1450	1705	1800
Net weight(kg)	480	530	675	1250	1410	1850
Weight(kg)	600	750	920	1500	1680	2130
Weight with full water(kg)	290	930	1600	2100	2760	4000
Weight work.water(kg)	250	600	900	1500	1700	2500
Dimensions	32	65	80	100	140	150
Cooling water conn.	32	50	65	100	100	125
Sea water inlet	32	50	50/65	65/100	65/100	100
Fresh water outlet	15	15	15	15	25	25
Emptying heat exchanger	15	15	20	25	25	25
Supply power	6.25	6.25	6.6/8.6	16.1/16.1	19.6	23.1