Brx 3/3

TAIKO \_\_\_

MESSRS.

HIGAKI SHIPBUILDING CO.,LTD.

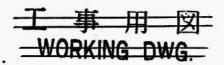
WORK No.

S.No. 552



SEWAGE TREATMENT UNIT

TYPE: SBT-25



完成 図 FINISHED DWG.

# 大晃楼植工業株式会村\* DEC.1 7. 2002 \* ENGINEERING DEPT. D

APPROVED BY Y. Yamada

CHECKED BY T. Miura

DESIGNED BY K. Takeuchi

DRAWN BY H. Miyamoto

ORDER No.

S8-1418

DATE OF DWG.

2002/9/3

DATE OF ISSUE DWG. No.

TAIKO KIKAI INDUSTRIES CO.,LTD.

YAMAGUCHI JAPAN

TEL(0820)52·3117 FAX (0820)53·1002

MM-100!

# TAIKO SHIP-CLEAN SEWAGE TREATMENT UNIT SPECIFICATION

Ship Owner	Section 20					-110-2	
Shipyard	HIGAKI SHIPBUILDING CO.,LTD.			Ship No.	552		
Work No.	S8-1418		Type	SBT-25	SBT-25 Quantity 1 set / s		
Source	AC440V×6	AC440V×60Hz×3φ					
Name Plate	English	English Caution plate English & Japanese				1ese	
Outside	Anti-corrosive paint 2 coats & Finish paint 1 coat.						
Painting	Color Munsell No. 2.5G7/2						
Discharge Me	thod						
Rate Numb	er of Person	s		Maximum 25 persons / day			
Sewage BOD Volume				13.5 g / person ⋅ day			
Sewage Vol	ume	5:	5	60 L / person · day			
Biochemica	l Oxygen De	mand (BOD)		Maximum 50 ppm			
Suspended	Solid (SS)	CONTRACTOR CONTRACTOR		Maximum 50 ppm			
Coliform				Maximum 200 / 100 mL			
Treatment Ta	nk	<del></del>					
Main Materials Mild Steel, Steel Pipe, S			e, Stainless	Stainless Steel Pipe, Vinyl Pipe			
Inside Surface Tar-epoxy coating							
Hydraulic Test Press. 2.5 m water head from		m the tank	top				
Discharge Pu	mp					And a subject to	
Туре	CR-50S		Quan	tity	1 set / unit		
Capacity	4 m <sup>8</sup> / h × 20 m		Bore		50A × 40	)A	
Motor	1.5 kW × 2 P		Quant	Quantity 1 set / unit		nit	
MOTOL	Maker supply						
Aeration Blow	/er						
Туре	TSS-	32	Quant	Quantity		1 set / unit	
Capacity	370 L	, / min × 0.02 MPa	Bore		32A		
Motor	$0.4 \text{ kW} \times 4 \text{ P}$		Quant	tity	1 set / unit		
	Maker supply						
Accessories		Ref	er to the Pa	rts List			
Spares		Refe	er to the Pa	rts List			
Remarks							

Commandant United States Coast Guard 2100 Second Street, S. W. Washington, DC 20593-0001 Staff Symbol: G-MSE-3 Phone: (202) 267-2206 FAX: (202) 267-4816

16714/159.015/Takai Kikai April 1, 1999

Taiko Kikai Industries Co., Ltd. 209 Shimotabuse, Tabuse-cho, Kumage-gun, Yamaguchi Pref. JAPAN 742-1598

### Gentlemen:

We have reviewed your letter of March 29, 1999, requesting recertification of your Marine Sanitation Device (MSD) test device's. Given no modifications have been made, the MSD test devices continue to meet the requirements of Title 33, Code of Federal Regulations (CFR), Part 159 and in accordance with 33 CFR 159.16, are recertified.

Model	Capacity	Certification No.	Certified for
SBT-15	900 LPD	159.015/3228/0	Uninspected Vessels
SBT-25	1500 LPD	159.015/3229/0	Uninspected Vessels
SBT-40	2400 LPD	159.015/3230/0	Uninspected Vessels
SBT-65	3900 LPD	159.015/3231/0	Uninspected Vessels

This certification remains valid for five years from May 31, 1999, unless we suspend, withdraw, or terminate it. Only the manufacturer of the MSD test device may apply for this certification to be extended by writing to the Commandant (G-MSE-3) before it expires. If the MSD is no longer produced and thus terminated, the MSD test device continues to be considered certified based on the MSD test device date of manufacture, the vessel installation date, and a valid certification for that time period. You cannot transfer this certification to another manufacturer without written authorization from the Commandant (G-MSE-3). You must notify the Commandant in writing when you make any change in the design or construction of these devices or when you cease manufacturing these devices.

If you have any further questions, please do not hesitate to contact LT Manning at (202) 267-6640.

Sincerely,

P. A. RICHARDSON

Captain, U.S. Coast Guard

Chief, Systems Engineering Division

Office of Design and Engineering Standards

By direction of the Commandant



# **EC TYPE EXAMINATION CERTIFICATE**

# This is to certify that:

LLOYD'S REGISTER OF SHIPPING, designated as a "notified body" under Article 9 of Council Directive 96/98/EC on Marine Equipment, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Marine-pollution prevention requirements of the Marine Equipment Directive subject to any conditions in the Design Appraisal Document attached hereto.

Producer

Taiko Kikai Industries Co. Ltd

Address

09-1 Shimotabuse

Tabuse-cho Kumage-gun Yamaguchi-pref

Japan

**Product Description** 

SBT-25

**Product Type** 

SEWAGE TREATMENT PLANT

Specified Standard

MEPC.2(VI)

The attached Design Appraisal Document forms part of this certificate. This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue

1 January 1999

Issued by Lloyd's Register of Shipping, London

LR EC Distinguishing No. 0038

Expiry date

31 December 2003

Certificate No

MED 9950055

Signed

French

Sheet No

1 of 2

Name

G.J. Greensmith

# Note:

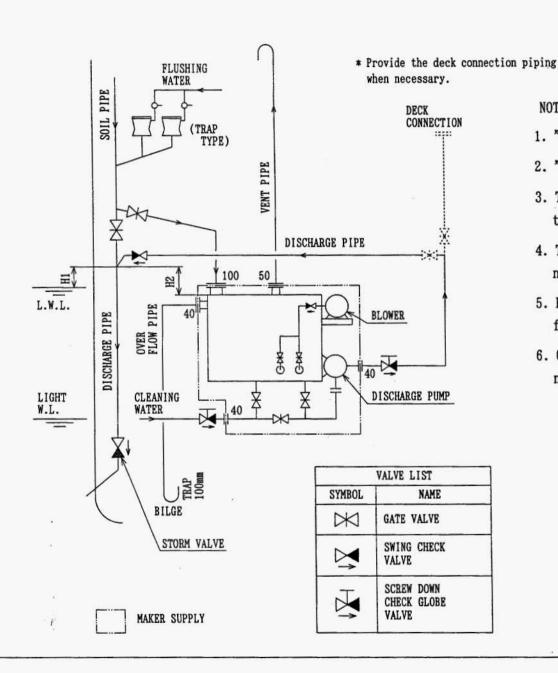
This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the nominated body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



This certificate is issued under the authority of the MCA.

Maritime and Coastguard Agency An Executive Agency of the Department of the Environment, Transport and the Regions

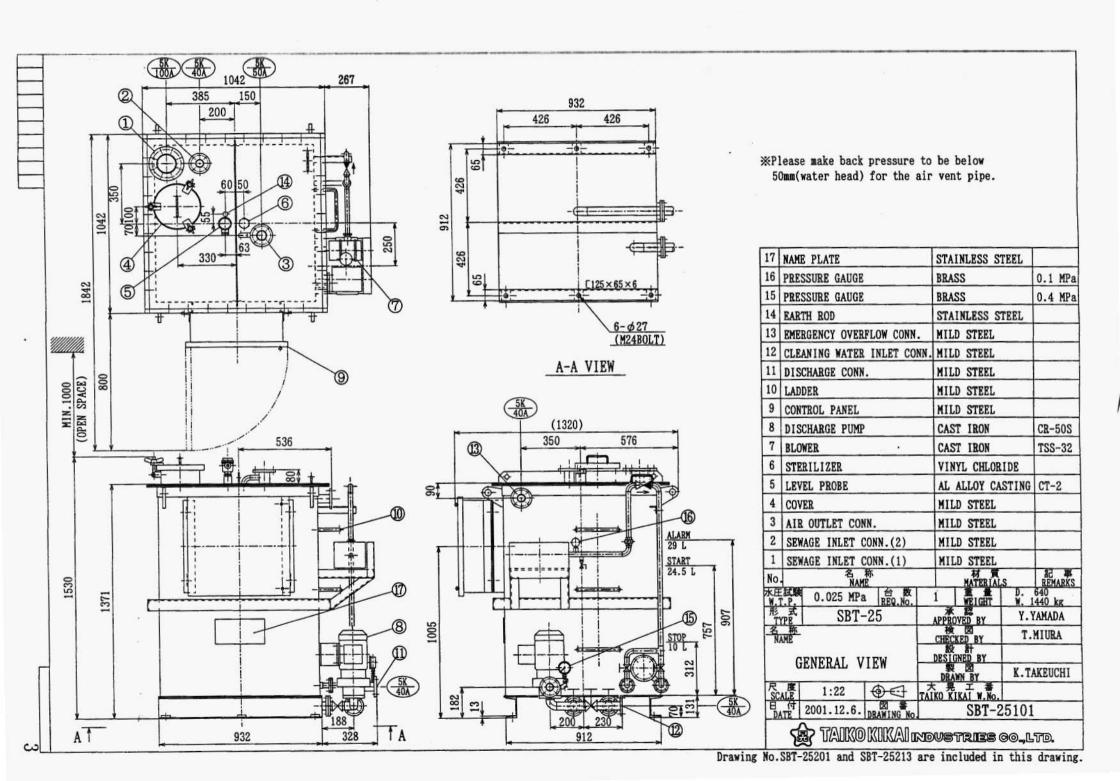


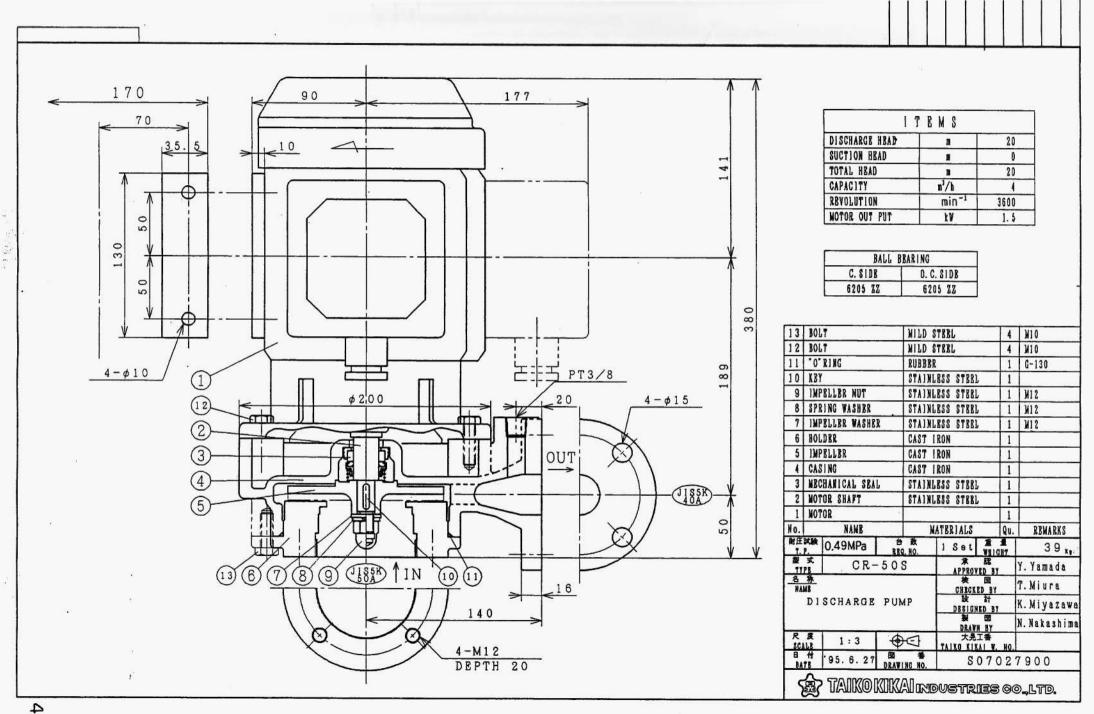


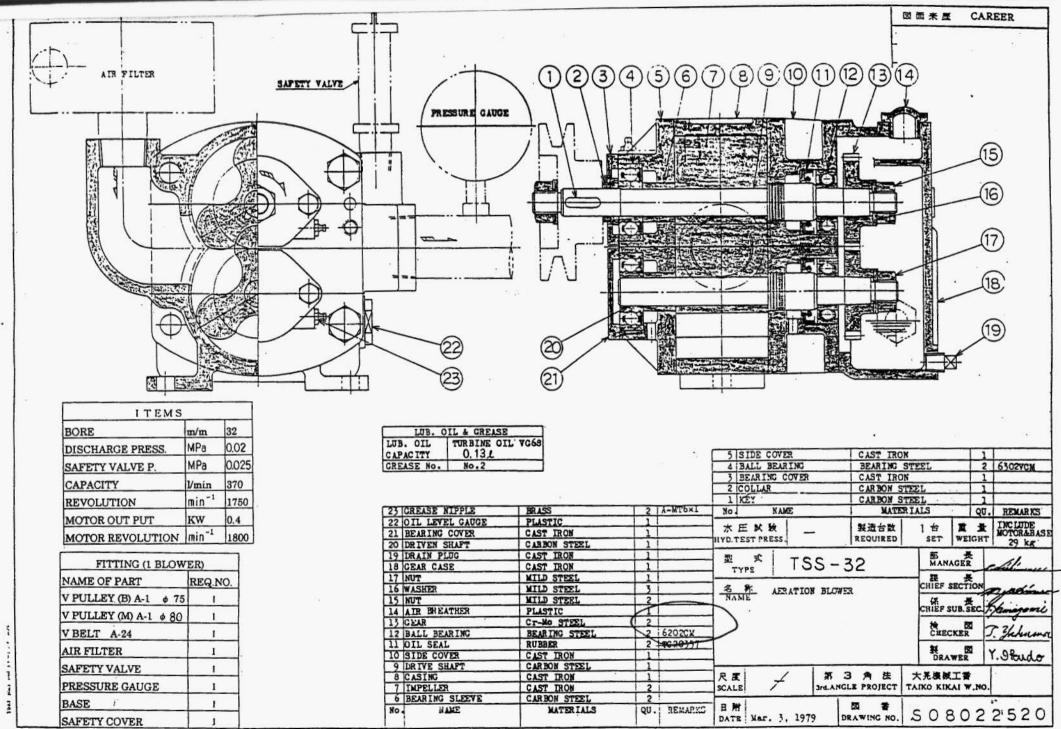
# NOTES

- 1. "H1" should be made higher than the L.W.L..
- 2. "H2" should be made higher than the top of the tank.
- 3. The vent pipe of the unit should be installed with a slope to avoid blocking the piping by the condensed water.
- 4. The vent pipe should be piped to a place where the air is not still, and the top of the pipe should be bent downward.
- 5. Pay attention to the piping so that water will not flow back from the sea into the tank.
- 6. Overflow pipe should be led to bilge or other tank. It must not discharge overboard where USCG regulations are adopted.

型 式 TYPE	SBT	T-25	承 認 APPROVED BY	Y.YAMADA	
名 称 NAME			検図 CHECKED BY	T.MIURA	
PIPING DIAGRAM			設計 DESIGNED BY		
			製 図 DRAWN BY	K.TAKEUCHI	
尺 度 SCALE		0	大 晃 工 番		
日 付 DATE	2001.12.14.	図 番 DRAWING No.	SBT-25001		
S	7 TAIKO	KOKADox	Dustries (	90 <u>.</u> LTD.	







CI

大晃提拔工業株式会社...

