

## NOTES

- Sleeve joint shall be used for sounding pipe passing through decks.
- Air pipes shall be fitted at the highest part of the tank and self drained under normal trim condition.
- Two(2) sounding tapes with plumb shall be furnished as deck inventory.
- The sea chest for water ballast/cargo pumps shall have air venting through holes on the shell plate instead of venting pipe, but air vent pipe shall be provided for sea chest of em'cy fire pump up to open deck.
- Air vent heads for water ballast tanks (No.1~No.5 W.B.TK, F.P.TK) and void adjacent to cargo tank shall be fitted with fire proof screen.
- Float disc type air vent head which have the following flow capacity under 2500mm WC hyd.resistant pressure shall be applied for the ballast tanks.

SIZE	65A	80A	100A	125A	150A	200A	250A	300A	350A	400A
FLOW CAPACITY (m <sup>3</sup> /H)	37	53	94	109	171	302	496	607	970	1265

TABLE OF AIR PIPE AND FILLING PIPE

TANK NAME	AIR ESCAPE PIPE			FILLING PIPE			PUMP CAPACITY FOR FILLING PURPOSE (MP/H)	RATIO (A/B)
	N.D	THICKNESS	IN AREA A (cm <sup>2</sup> )	N.D	THICKNESS	IN AREA B (cm <sup>2</sup> )		
F.P. TK	350A X 3	12.7T	2569	450A	16T	1420	3000	1.8
NO.1,2,3,4,5 W.B. TK (P/S)	350A X 3	12.7T	2569	450A 200A	16T 12.7T	1706.2	3000	1.5
A.P. TK	250A X 1 200A X 1	12.7T 12.7T	746	250A	12.7T	460	600	1.62

- No air and sounding pipes shall be provided for the compartment of echo sounder/speed log. But the drain plug shall be provided for confirming the compartment is not flooded.

No	MAT'L No	DESCRIPTION	Q'TY	TYPE	MAKER	REMARK
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## EQUIPMENT LIST

## SPECIFICATION OF PIPING SYSTEM

SERVICE	FLUID(DESIGN)		NOM. DIA.	PIPE		VALVE			PIPE CONN.				HYD. TEST P (Kg/CM <sup>2</sup> )		REM- ARKS
	PRESS (Kg/CM <sup>2</sup> )	TEMP (°C)		MAT'L	TREAT- MENT	MATERIAL		TYPE	TYPE	GASKET	BOLT /NUT	SHOP	SHIP		
						BODY	DISC								
AIR VENTING	ATM.	AMB.	80 - 200	STPG370 SMLS SCH.80	GALV.	—	—	—	JIS5K FLANG E OR SLEEVE	NON- ASBES.	HEX. S45C GALV.  (SEE GENERAL NOTE 9)	N/A	N/A		
			250 - 400	STPG370 SMLS 12.7T											
SOUNDING	ATM.	NOR.	40 - 50	STPG370 SMLS SCH.80	GALV.	—	—	—	SLEEVE	—	—	—	—		

PROJECT

5268

TITLE

P/D OF AIR AND SOUNDING SYSTEM