

TUBOLI, NAFTA-MANDATA FUEL OIL PIPING SYSTEM-DELIVERY

TUBOLI, NAFTA-ASPIRAZIONE FUEL OIL PIPING SYSTEM-SUCTION

DRENAGGI DRAIN

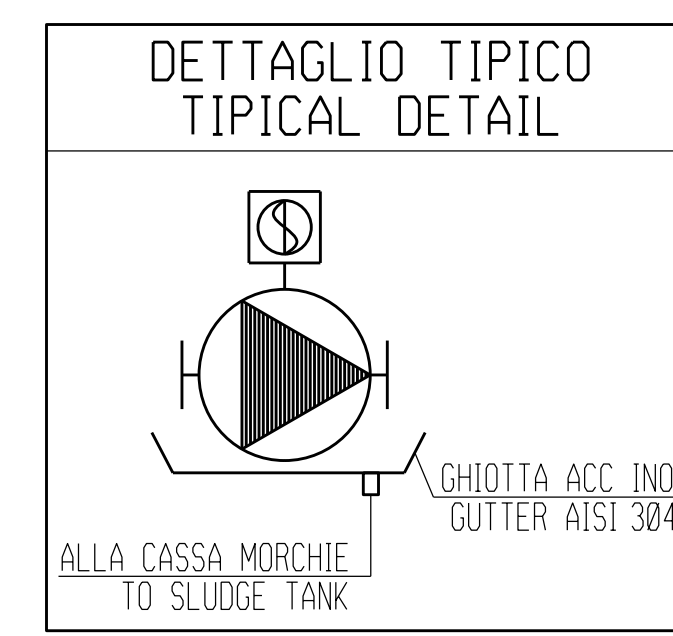
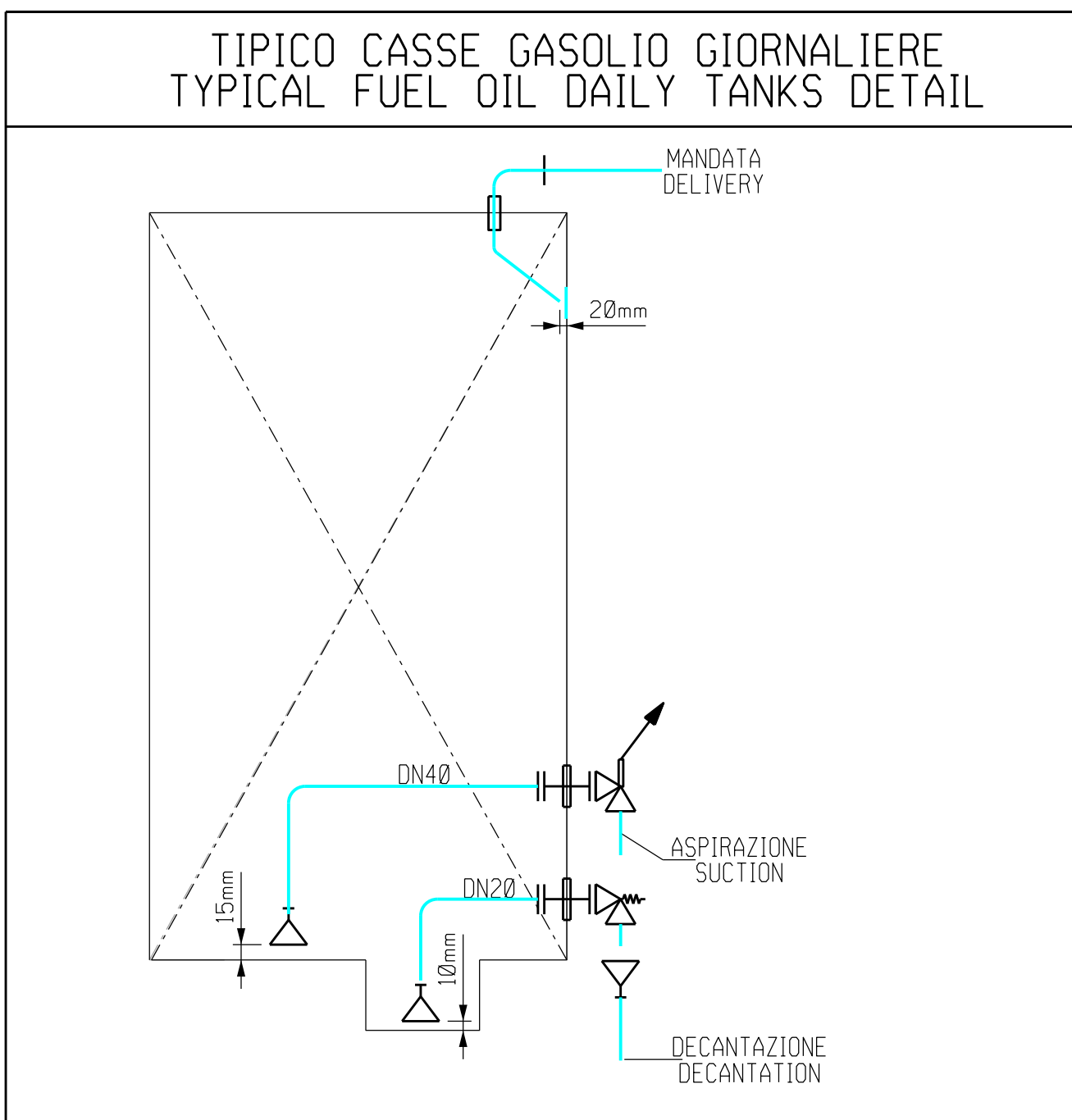
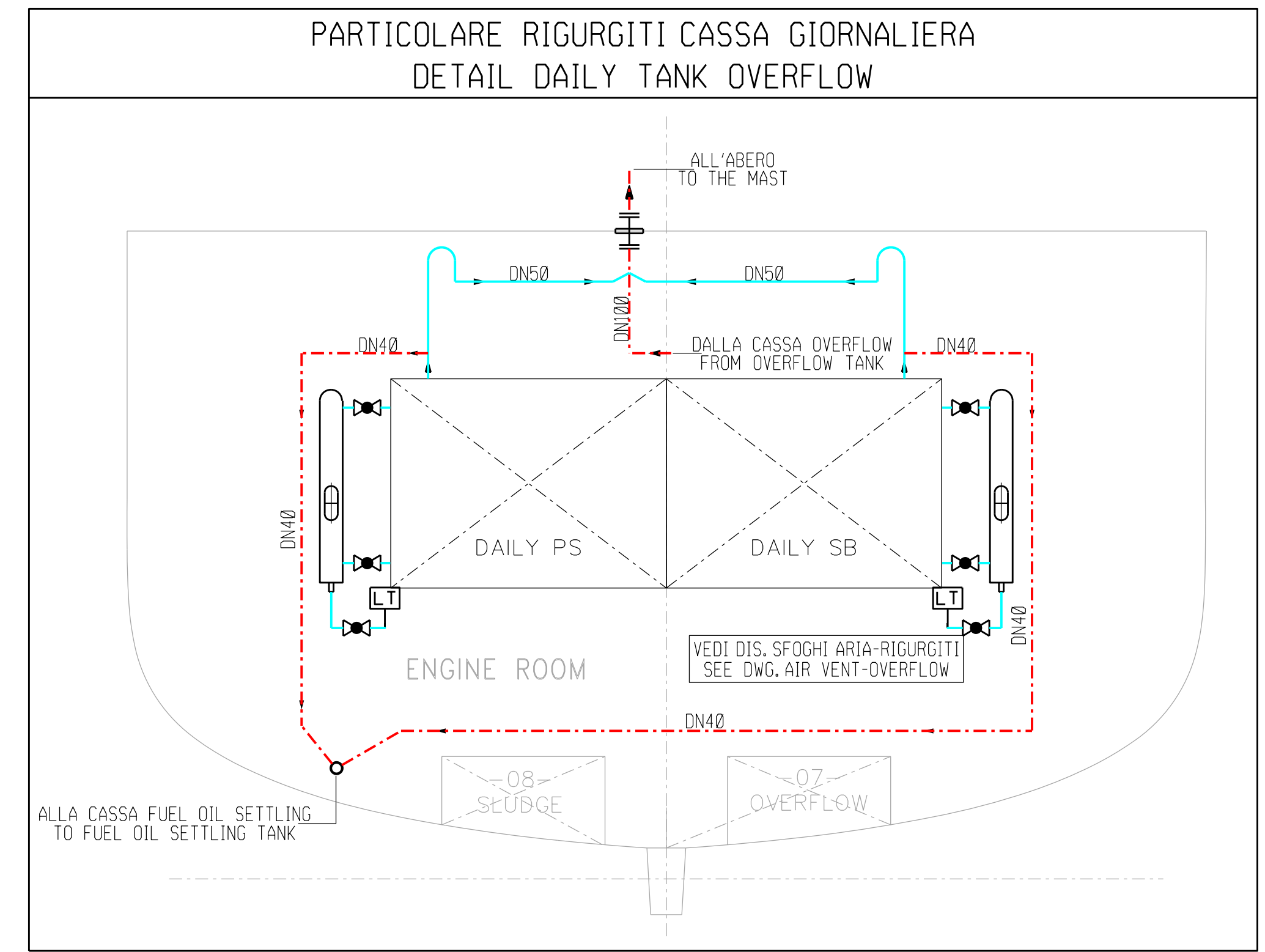
CONTROLO SISTEMA IDRAULICO VALVOLE A CHIUSURA RAPIDA HYDRAULIC CONTROLLED SYSTEM QUICK CLOSING VALVES

LINEA ELETTRICA ELECTRICAL SYSTEM

SIMBOLI - SYMBOLS

DESCRIZIONE DESCRIPTION	DESCRIZIONE DESCRIPTION
VALVOLA SFERA BALL VALVE	ASPIRAZIONE CASSE TANK SUCTION
VALVOLA NON RITORNO NO RETURN VALVE	PASSAGGIO STAGNO BULKHEAD CROSSING
VALVOLA A SFERA MOTORIZ. BALL VALVE MOTORISED	GIUNTO FLESSIBILE FLEX JOINT
VALVOLA DI DECAANTAZIONE AUTOMATICA DECAANTATION	RIDUZIONE REDUCTION
VALVOLA NR. SEMIAUTOMAT. N.R. VALVE SEMIAUTOMATIC	POMPA RIFORMAZIONE PUMP SUPPLY
VALVOLA A 3 VIE 3 WAY VALVE	SPIE DI CONTROLLO SINGH GLASSES
VALVOLA DI SICUREZZA SAFETY VALVE	CONTATORI COUNTER
GIUNTO ELASTICO FLEX JOINT	SPILLAGGIO SAMPLING
FILTRO "Y" "Y" STRAINER	TERMOMETRO TERMOMETER
MANOVUOTOMETRO VACUUM GAUGE	FILTRO A CESTELLO STRAINER
MANDATA CASSE TANK DELIVERY	PRESSOSTATICO PRESSURE SWITCH
MANOMETRO PRESSURE GAUGE	VALVOLA A SGANCIO QUICK RELEASE VALVE

PER MATERIALI TUBAZIONI, VALVOLE E ACCESSORI VEDI DISEGNO 0410 FOR PIPES, VALVES AND ACCESSORIES MATERIALS SEE DWG 0410



MAIN DIMENSIONS MOULDED

L.O.A.	70,00 m
L.W.L.	67,80 m
DEPTH	3,00 m
B.	10,60 m

ELENCO MACCHINARI - MACHINERY LIST

CODICI CODE	Q.TA. Q.T.Y.	MACCHINARIO/CASSE INDEPENDENTI MACHINERY/NOT STRUCTURAL TANK	CARATTERISTICHE TECHNICAL DATA	FORNITORE SUPPLIER
01A	1	MOTORE PRINCIPALE 3512C HD - SN MAIN ENGINE 3512C HD - PORT SIDE	1765 kW - 1800rpm	CATERPILLAR
01B	1	MOTORE PRINCIPALE 3512C HD - DN MAIN ENGINE 3512C HD - STBD SIDE	1765 kW - 1800rpm	CATERPILLAR
02A	1	RIDUTTORE - SN REDUCTION BOX - PORT SIDE	WAF 763 5,136el-1765kw-1800rpm	REINTJES
02B	1	RIDUTTORE - DN REDUCTION BOX - STBD SIDE	WAF 763 5,136el-1765kw-1800rpm	REINTJES
04A	1	GENERATORE DIESEL CAT. C7.1 - SN DIESEL GENERATOR CAT. C7.1 - PORT SIDE	150 ekW 0,8p.f. - 400V.	CATERPILLAR
04B	1	GENERATORE DIESEL CAT. C7.1 - DN AV DIESEL GENERATOR CAT. C7.1-STBD SIDE FWD	150 ekW 0,8p.f. - 400V.	CATERPILLAR
04C	1	GENERATORE DIESEL CAT. C7.1 - STBD SIDE AFT	150 ekW 0,8p.f. - 400V.	CATERPILLAR
06	1	GENERATORE D'EMERGENZA CAT. C4.4 EMERGENCY DIESEL GENERATOR CAT. C4.4	86 ekW 0,8p.f. - 400V.	CATERPILLAR
91A	1	E/P TRAVASO GASOLIO - ACM 401 BT FUEL OIL TRANSFER E/P - ACM 401 BT	6-12,6m/h 38-7 mt	GIANNESCHI
91B	1	E/P TRAVASO GASOLIO - ACM 401 BT FUEL OIL TRANSFER E/P - ACM 401 BT	6-12,6m/h 38-7 mt	GIANNESCHI
92	1	DEPURATORE GASOLIO - MMB304 FUEL OIL PURIFIER - MMB304	1,5 m/h	A. LAVAL
93	1	E/P DEPURATORE GASOLIO FUEL OIL PURIFIER E/P	1,5 m/h 15 mt	A. LAVAL
94	1	E/P MANDATA CASSE GEN. EMERGENZA ACB 80E EMERGENCY GEN. FILLING E/P - ACB 80E	0,3-2,4m/h 36-4 mt	GIANNESCHI
95	1	E/P RIFORMAZIONE TENDERO - TOROMINI ACB 80E TENDER REFUEL E/P - TOROMINI ACB 80E	0,3-2,4m/h 36-4 mt	GIANNESCHI
96	1	POMPA A MANO MAND. F.O.E.M. TANK - EXCELSIOR 2 HANDPUMP F.O.E.M. TANK DELIVERY - EXCELSIOR 2	0,9m/h 30mt	GIANNESCHI
97	1	POMPA A MANO ASPIR. F.O.E.M. TANK - EXCELSIOR 1 HANDPUMP F.O.E.M. TANK SUCTION - EXCELSIOR 1	0,9m/h 30mt	GIANNESCHI
98A	1	PREFILTRI GASOLIO M.P. - SN FUEL OIL PREFILTER M.P. - PORT SIDE	791000MAU - 1363 LPH	RACOR
98B	1	PREFILTRI GASOLIO M.P. - DN FUEL OIL PREFILTER M.P. - STBD SIDE	791000MAU - 1363 LPH	RACOR
99A	1	PREFILTRI GASOLIO GEN. DIESEL - SN FUEL OIL PREFILTER DIESEL GEN. - PORT SIDE	75500MAX - 227 LPH	RACOR
99B	1	PREFILTRI GASOLIO GEN. DIESEL - DN FUEL OIL PREFILTER DIESEL GEN. - STBD SIDE	75500MAX - 227 LPH	RACOR
99C	1	PREFILTRI GASOLIO GEN. DIESEL - DN FUEL OIL PREFILTER DIESEL GEN. - STBD SIDE	75500MAX - 227 LPH	RACOR
100	1	PREF. GASOLIO GEN. DIESEL D'EMERGENZA FUEL OIL PREF. EMER. DIESEL GENERATOR	230RMM - 114 LPH	RACOR

GENERAL LIST

1) TUTTE LE MACCHINE ROTANTI SARANNO MONTATE SU ANTIVIBRANTI E CONNESSE ELASTICAMENTE ALLA RELATIVA TUBAZIONE. ALL MACHINERY ARE TO BE ASSEMBLED ON VIBRATION DAMPPINGS AND CONNECTED WITH ELASTIC JOINTS TO RELATIVE PIPING.

2) LA CONTINUITA' ELETTRICA DOVRA' ESSERE MANTENUTA LUNGO TUTTA LA TUBAZIONE E TRA QUESTA E LO SCAFO. ELECTRICAL DRAINAGE FOR ALL PIPING AND FROM THIS TO HULL IS TO BE PROVIDED.

3) TUTTI I TUBI FLESSIBILI DEVONO RESISTERE AL FUOCO IN ACCORDO CON EUROPE MARITIME RULES 96/98 CE. FLEXIBLE HOSE AND ELASTIC JOINTS TO BE FIRE RESISTANT ACCORDING TO EUROPE MARITIME RULES 96/98 CE.

4) SOTTO TUTTI I MACCHINARI DEVE ESSERE INSTALLATA UNA GHIOTTA DI RACCOLTA IN ACCIAIO INOX. STEEL DRAIN TRAP SHALL BE INSTALLED UNDER ALL MACHINERY.

5) IN CASO DI INCENDIO LE POMPE E IL DEPURATORE GASOLIO DEVONO POTER ESSERE FERMATI DA FUORI LOC. APPARATO MOTORE. IN CASE OF FIRE ALL FUEL OIL PUMPS AND SEPARATOR ARE TO BE STOPPED FROM OUTSIDE OF ENGINE ROOM.

6) I GIUNTI TIPO STRAUB/TEEKAY DEVONO ESSERE DI TIPO CERTIFICATO RESISTENTE AL FUOCO NON POTRANNO ESSERE IMPIEGATI. STRAUB AND TEEKAY TYPE JOINTS INCLUDING CERTIFIED AND FIRE RESISTANT ONES CANNOT BE USED.

7) LA LUNGHEZZA DEI FLESSIBILI SARA' TALE DA PERMETTERE IL MOVIMENTO DEI MACCHINARI SENZA TRASMETTERE VIBRAZIONI ALLE TUBAZIONI. FUEL OIL PREFILTER DIESEL GEN. - STBD SIDE MOVEMENT, WITHOUT TRANSMITTING VIBRATIONS TO THE PIPING LINE.

8) TUTTE LE POMPE SARANNO DOTATE DI MANOMETRO E MANOVUOTOMETRO. ALL PUMPS WILL BE PROVIDED WITH PRESSURE AND VACUUM GAUGE.

9) PER SONDE E INDICATORI DI LIVELLO VEDERE DISEGNO N.4200. FOR SOUNDING AIR VENTS AND LEVEL INDICATORS SEE DWG N.4200.

10) I FILTRI IN POS. 20-21 DISPONGONO DI ALLARMI PER LA PRESENZA DI ACQUA NEL GASOLIO. FILTERS IN POSITIONS 20-21 TO HAVE ALARMS FOR PRESENCE OF WATER IN FUEL OIL.

11) TUTTE LE VALVOLE DEVONO CHIUDERSI CON UN MOVIMENTO A MANO DESTRASSENDO ORARIO. ALL VALVES ARE TO CLOSE WITH A RIGHT HAND (CLOCKWISE) MOTION OF THE HANDWHEEL, BOTH SEMIAUTOMATIC AND ALSO SCREW DOWN STOP VALVE.

12) INSTALLARE UN ALLARME DI RIGURGITO GASOLIO VISIVO E SONORO ANCHE NELLE STAZ. D'IMBARCO. INSTALL VISUAL AND SOUND OVERFLOW ALARM ASLO IN BUNKER STATION.

13) LE CURVE A 90° DOVRANNO ESSERE USATE SOLO NEI CASI STRETTAMENTE INDISPENSABILI. THE USE OF 90 DEGREE BENDS WITHIN THE SYSTEM IS TO BE MINIMIZED AS PER SPECIFICATION AS FAR AS PRACTICABLE.

14) NEL CASO DI ATTRAVERSAMENTO DI TUBAZIONI NEI DOVFF GASOLIO I SUDDETTI TUBI DOVRANNO AVERE UNA PRESSIONE DI ESERCIZIO DI 7 Bar. TRANSFER SUCTION AND OTHER LOW PRESSURE OIL PIPES AND ALL PIPES PASSING THROUGH OIL STORAGE TANKS ARE TO BE SUITABLE FOR A MAXIMUM OF 7 BAR.

15) PER OGNI CENTRALINA IDRAULICA POSSONO ESSERE COLLEGATE FINO AD UN MASSIMO DI TRE VALVOLE. FOR EACH CONTROL UNIT CAN BE CONNECTED A MAXIMUM OF THREE VALVES.

PRESSIONE DI PROVA-TEST PRESSURE 7 BAR

PRESSIONE DI ESERCIZIO-WORKING PRESSURE 4 BAR

NO.	DATA	DESCRIZIONE	REVISIONI	REVISIONI	REVISIONI	REVISIONI
02	06/12/2016	AGGIORNAMENTO SECONDO OSSERVAZIONE TECNICA BENETTI	NAVAL PROJECT			
01	19/09/2016	AGGIORNAMENTO SECONDO OSSERVAZIONE TECNICA BENETTI	NAVAL PROJECT			

Benetti

Motor Yacht 70 mt

Impianto gasolio Fuel oil system

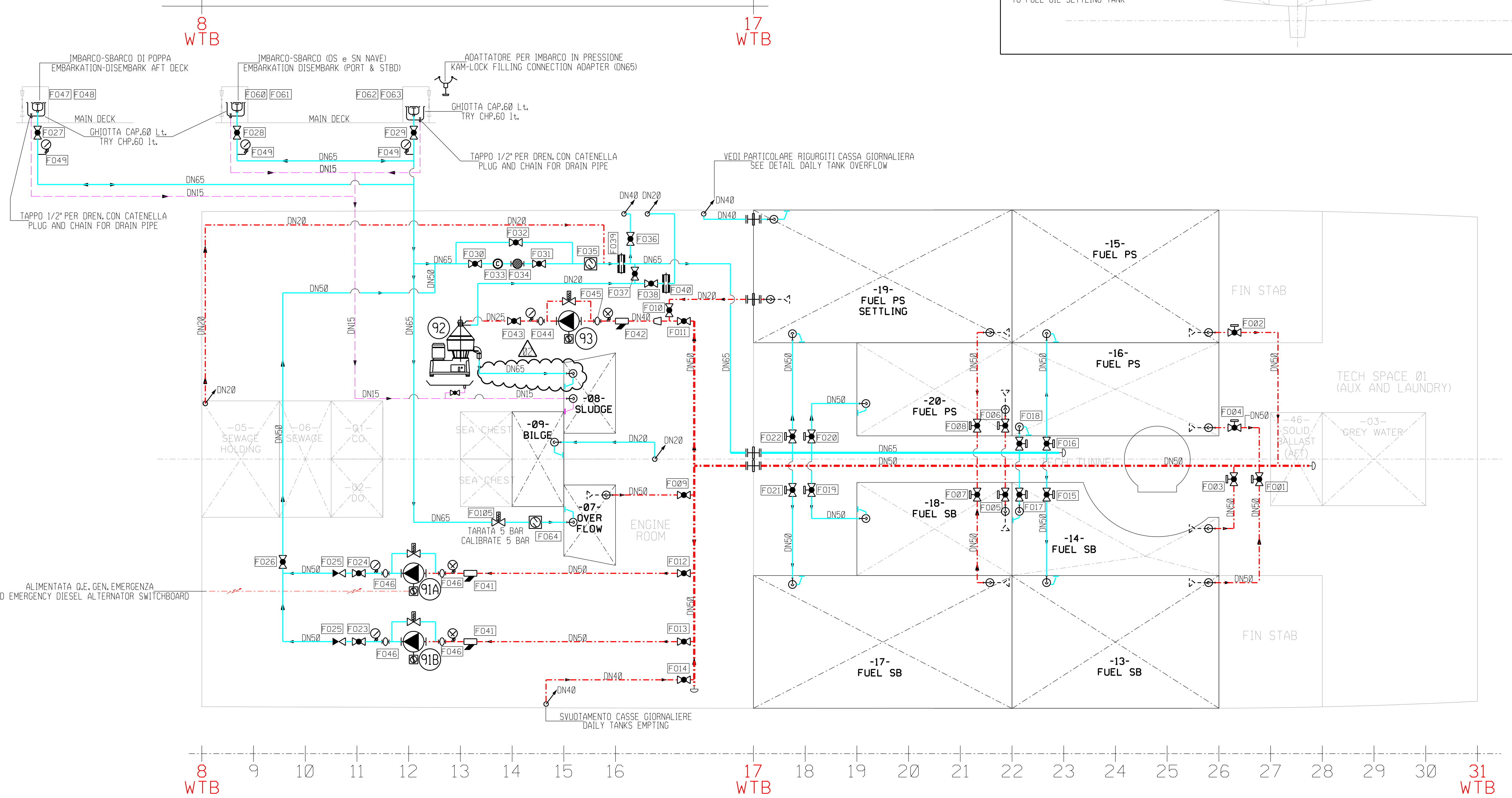
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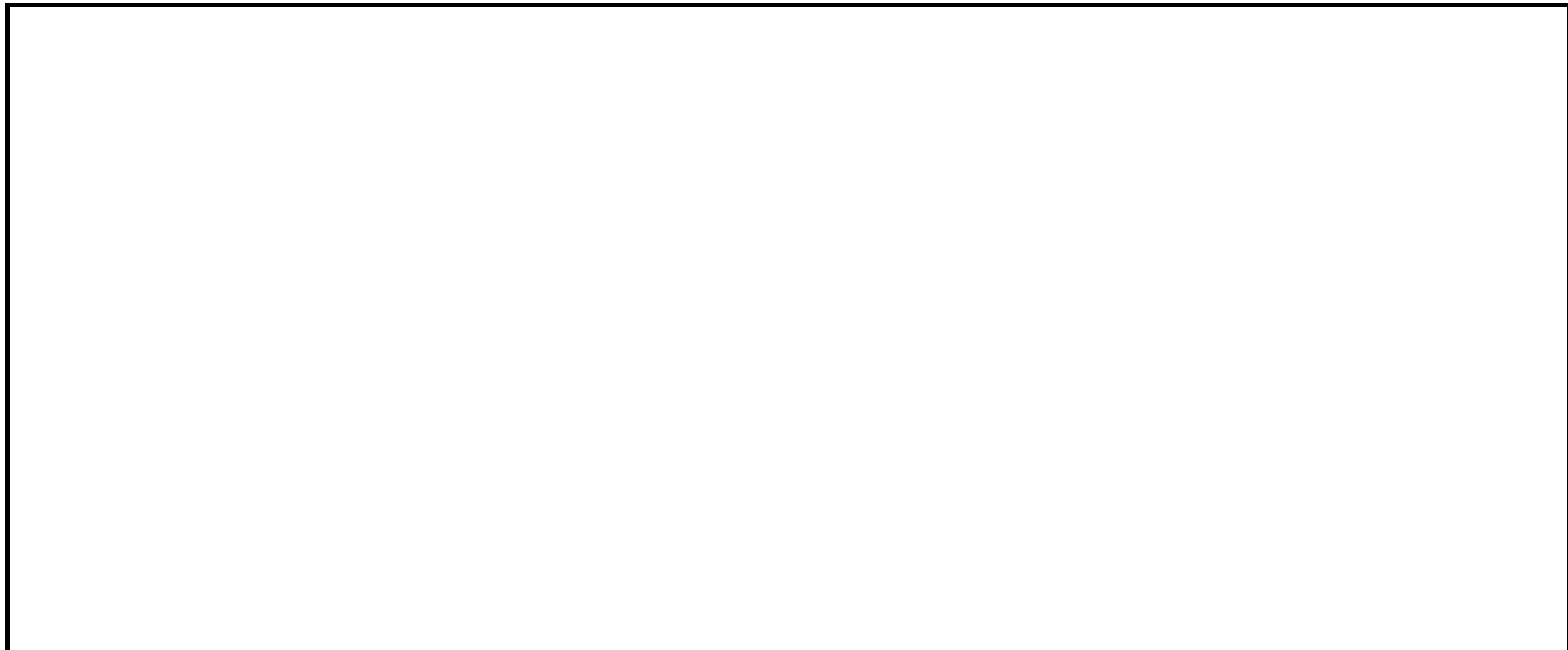
Rev. 02

Rev. 1/1

Rev. 273-4100

Rev. 12/04/2016





	<i>Benetti</i>	CONSTRUCTION FB273	DWG. N° 4100	UPDATING 02	
		APPR. REGISTER			
		L.R.			
	TITLE/TITOLO				FILENAME 273-4100-02
<u>FUEL OIL SYSTEM COMPONENT LIST</u> <u>LISTA COMPONENTI IMPIANTO GASOLIO</u>				PREPARED BY	
				CHECKED BY	
E VIETATA LA RIPRODUZIONE ANCHE PARZIALE E LA CONSEGNA A TERZI DI QUESTO DOCUMENTO REPRODUCTION OF THIS DOCUMENT OR CONSIGNMENT TO THIRD PARTY IS FORBIDDEN				APPROVED BY	
				DATE 26/08/2016	

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DRWG Nr.**273.4100.02 FUEL OIL SYSTEM**COSTR.
Hull**FB 273****ELENCO VALVOLE E ACCESSORI***VALVES AND FITTINGS LIST*

MARCA ITEM	DESCRIZIONE DESCRIPTION	DN/PN ND/NP	MATERIALE			CATALOGO CATALOGUE	NOTE	TARGHETTA NAMEPLATE	N PZ
			CORPO BODY	INTERNI FITTINGS	COLL. TEST				
FO01	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	SUCTION TANK FO13SB	1
FO02	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	SUCTION TANK FO15PS	1
FO03	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	SUCTION TANK FO14SB	1
FO04	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	SUCTION TANK FO16PS	1
FO05	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	SUCTION TANK N° FO18SB	1
FO06	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	SUCTION TANK N° FO20PS	1
FO07	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	SUCTION TANK N° FO17SB	1
FO08	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	SUCTION TANK N° FO19PS	1
FO09	BALL VALVE	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION TANK OVERFLOW	1
FO10	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SETTLING TANK	1
FO11	BALL VALVE	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION F.O. PURIFIER	1
FO12	BALL VALVE	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION F.O. TRANSFER E/P	1
FO13	BALL VALVE	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 171		SUCTION F.O. TRANSFER E/P	1
FO14	BALL VALVE	40/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		DAILY TANKS SUCTION	1
FO15	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	DELIVERY TANK FO13SB	1

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DRWG Nr.**273.4100.02** FUEL OIL SYSTEMCOSTR.
Hull**FB 273****ELENCO VALVOLE E ACCESSORI**

VALVES AND FITTINGS LIST

MARCA ITEM	DESCRIZIONE DESCRIPTION	DN/PN ND/NP	MATERIALE			CATALOGO CATALOGUE	NOTE	TARGHETTA NAMEPLATE	N PZ
			CORPO BODY	INTERNI FITTINGS	COLL. TEST				
FO16	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	DELIVERY TANK FO15PS	1
FO17	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	DELIVERY TANK FO14SB	1
FO18	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	DELIVERY TANK FO16PS	1
FO19	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	DELIVERY TANK N° FO18SB	1
FO20	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	DELIVERY TANK N° FO20PS	1
FO21	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	DELIVERY TANK N° FO17SB	1
FO22	BALL VALVE (REMOTELY CONTROLLED)	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	DELIVERY TANK N° FO19PS	1
FO23	BALL VALVE	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		F.O. DELIVERY	1
FO24	BALL VALVE	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		F.O. DELIVERY	1
FO25	N.R. VALVE	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA Art. 8	CLAPET TYPE METAL SEATED		2
FO26	BALL VALVE	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		INTERCEPT DELIVERY F.O. TRANSFER EE/PP	1
FO27	BALL VALVE	65/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 171		EMBARKATION/ DISEMBARK F.O. AFT DK	1
FO28	BALL VALVE	65/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		EMBARKATION/ DISEMBARK F.O. PORT SIDE	1
FO29	BALL VALVE	65/6	AISI 316 L	AISI 316 L		MEDANA VISCA TAB. 170 PUL-FL		EMBARKATION/ DISEMBARK F.O. STBD SIDE	1

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DRWG Nr.**273.4100.02** FUEL OIL SYSTEMCOSTR.
Hull**FB 273****ELENCO VALVOLE E ACCESSORI**

VALVES AND FITTINGS LIST

MARCA ITEM	DESCRIZIONE DESCRIPTION	DN/PN ND/NP	MATERIALE			CATALOGO CATALOGUE	NOTE	TARGHETTA NAMEPLATE	N PZ
			CORPO BODY	INTERNI FITTINGS	COLL. TEST				
FO30	BALL VALVE	65/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		COUNTER INTERCEPT	1
FO31	BALL VALVE	65/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		COUNTER INTERCEPT	1
FO32	BALL VALVE	65/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		BY-PASS COUNTER	1
FO33	COUNTER	65/6	CARBON STEEL	SINT. RUBBER (NBR)		MEDANA & VISCA TAB. 201			1
FO34	STRAINER	65/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 159 V.D.	HOLE D=2 mm		1
FO35	SINGHT GLASSES	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 171			1
FO36	BALL VALVE	40/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		FUEL OIL FILLING DAILY TANK	1
FO37	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		FUEL OIL DEPURATOR DELIVERY	1
FO38	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		FUEL OIL FILLING DAILY TANK	1
FO39	SAMPLING	65/6	AISI 316 L	AISI 316 L					1
FO40	SAMPLING	20/6	AISI 316 L	AISI 316 L					1
FO41	"Y" STRAINER	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 161	Hole D=1,5mm		2
FO42	"Y" STRAINER	40/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 161	Hole D=1,5mm		1
FO43	BALL VALVE	25/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		FUEL OIL DEPURATOR SUCTION	1
FO44	FLEX JOINT	25/6	CARBON STEEL	SINT. RUBBER (NBR)			Approved L.R. fire safety		1

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			CORPO BODY	INTERNI FITTINGS	COLL. TEST				
FO45	FLEX JOINT	40/6	CARBON STEEL	SINT. RUBBER (NBR)			Approved L.R. fire safety		1
FO46	FLEX JOINT	50/6	CARBON STEEL	SINT. RUBBER (NBR)			Approved L.R. fire safety		4
FO47	FAST JOINT FEMALE	2" 1/2	AISI 316 L	AISI 316 L		GIACOMO ABBADINI	FEMALE TIPO D	EMBARKATION/ DISEMBARK FUEL OIL	1
FO48	MALE CAP	2" 1/2	AISI 316 L	AISI 316 L		GIACOMO ABBADINI	MALE TIPO P	EMBARKATION/ DISEMBARK FUEL OIL	1
FO49	PRESSURE GAUGE		AISI 316 L	AISI 316 L			2-10 BAR		3
FO50	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION F.O. STBD SIDE M.E.	1
FO51	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION F.O. PORT SIDE M.E.	1
FO52	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION F.O. D.G. - STBD SIDE	1
FO53	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION F.O. D.G. - STBD SIDE	1
FO54	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION F.O. D.G. - PORT SIDE	1
FO55									
FO56	BALL VALVE	40/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		DAILY TANKS EMPTING	1
FO57	BALL VALVE	25/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION EMERG. GEN. FILLING E/P	1
FO58	BALL VALVE	25/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION TENDER REFUEL E/P	1
FO59	BALL VALVE	40/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION MANIFOLD SECT.	1

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VALVES AND FITTINGS LIST

MARCA ITEM	DESCRIZIONE DESCRIPTION	DN/PN ND/NP	MATERIALE			CATALOGO CATALOGUE	NOTE	TARGHETTA NAMEPLATE	N PZ
			CORPO BODY	INTERNI FITTINGS	COLL. TEST				
FO60	FAST JOINT FEMALE	2" 1/2	AISI 316 L	AISI 316 L		GIACOMO ABBADINI	FEMALE TIPO D	EMBARKATION/ DISEMBARK FUEL OIL	1
FO61	MALE CAP	2" 1/2	AISI 316 L	AISI 316 L		GIACOMO ABBADINI	MALE TIPO P	EMBARKATION/ DISEMBARK FUEL OIL	1
FO62	FAST JOINT FEMALE	2" 1/2	AISI 316 L	AISI 316 L		GIACOMO ABBADINI	FEMALE TIPO D	EMBARKATION/ DISEMBARK FUEL OIL	1
FO63	MALE CAP	2" 1/2	AISI 316 L	AISI 316 L		GIACOMO ABBADINI	MALE TIPO P	EMBARKATION/ DISEMBARK FUEL OIL	1
FO64	SINGHT GLASSES	65/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 171			1
FO65	BALL VALVE	25/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION TENDER REFUEL E/P	1
FO66	"Y" STRAINER	25/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 161	Hole D=1,5mm		1
FO67	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		AIR VENT M.E. - PORT SIDE	1
FO68	FLEX JOINT	20/6	CARBON STEEL	SINT. RUBBER (NBR)			Approved L.R. fire safety		2
FO69	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		AIR VENT M.E. - STBD SIDE	1
FO70	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		DELIVERY TENDER REFUEL E/P	1
FO71	N.R. VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA Art. 8	CLAPET TYPE		1
FO72	HOSE-REEL WITH FUEL NOZZLE AND RESETTABLE LITER- COUNTER	20/6				GIANNESCHI			1
FO73	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		M.E. PORT SIDE RETURN	1

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VALVES AND FITTINGS LIST

MARCA ITEM	DESCRIZIONE DESCRIPTION	DN/PN ND/NP	MATERIALE			CATALOGO CATALOGUE	NOTE	TARGHETTA NAMEPLATE	N PZ
			CORPO BODY	INTERNI FITTINGS	COLL. TEST				
FO74	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		M.E. RETURN SECTION	1
FO75	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		M.E. STDB SIDE RETURN	1
FO76	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		FUEL OIL DELIVERY DAILY TANK-STBD SIDE	1
FO77	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		FUEL OIL DELIVERY DAILY TANK-PORT SIDE	1
FO78	BALL VALVE	40/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		FUEL OIL TRANSFER E/P	1
FO79	BALL VALVE	40/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		FUEL OIL TRANSFER E/P	1
FO80	BALL VALVE	25/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE		SUCTION EMERG. GEN.FILLING E/P	1
FO81	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION HANDPUMP F.O. EM. TANK DELIVERY	1
FO82	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		DELIVERY HANDPUMP F.O. EM. TANK DELIVERY	1
FO83	N.R. VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA Art. 8	CLAPET TYPE METAL SEATED		1
FO84	N.R. VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA Art. 8	CLAPET TYPE METAL SEATED		1
FO85	FLEX JOINT	20/6	CARBON STEEL	SINT. RUBBER (NBR)			Approved L.R. fire safety		2
FO86	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		FILLING F.O. EMERG. TANK	1
FO87	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		DELIVERY EMERG. GEN.FILLING E/P	1

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VALVES AND FITTINGS LIST

MARCA ITEM	DESCRIZIONE DESCRIPTION	DN/PN ND/NP	MATERIALE			CATALOGO CATALOGUE	NOTE	TARGHETTA NAMEPLATE	N PZ
			CORPO BODY	INTERNI FITTINGS	COLL. TEST				
FO88	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		EMERG. GENERATOR EMPTYING TANK	1
FO89	BALL VALVE (REMOTELY CONTROLLED)	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	M.E. PORT SIDE F.O. SECTION	1
FO90	BALL VALVE (REMOTELY CONTROLLED)	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA 201 ME/CE	220V (1F) 50Hz IP65 Protection	M.E. STBD SIDE F.O. SECTION	1
FO91	PRESSURE SWITCH		AISI 316 L	AISI 316 L					2
FO92	THERMOSTAT		AISI 316 L	AISI 316 L					2
FO93	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		BY-PASS COOLING F.O. M.E. PORT SIDE	1
FO94	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		COOLING F.O. M.E. SECTION	1
FO95	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		COOLING F.O. M.E. SECTION	1
FO96	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		COOLING F.O. M.E. SECTION	1
FO97	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		COOLING F.O. M.E. SECTION	1
FO98	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		BY-PASS	1
FO99	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		DELIVERY HANDPUMP F.O. EM. TANK	1
FO100	ANGLE QUICK RELEASE VALVE	40/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 132	Hidraulically driven		1
FO101	ANGLE QUICK RELEASE VALVE	40/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 132	Hidraulically driven		1

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VALVES AND FITTINGS LIST

MARCA ITEM	DESCRIZIONE DESCRIPTION	DN/PN ND/NP	MATERIALE			CATALOGO CATALOGUE	NOTE	TARGHETTA NAMEPLATE	N PZ
			CORPO BODY	INTERNI FITTINGS	COLL. TEST				
FO102	BALL VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		SUCTION F.O. EMERG. TANK	1
FO103	ANGLE QUICK RELEASE VALVE	20/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 132	Hidraulically driven		1
FO104	AUTOMATIC DECANTATION COCK	20/6	AISI 304	AISI 304		MEDANA & VISCA TAB. 170 PUL-FL		SAMPLING	2
FO105	SAFETY VALVE	50/6	AISI 316 L	AISI 316 L		MEDANA & VISCA Art. 22	CALIBRATE 5 BAR		1
FO106	HYDRAULIC GEARCASE		ALLOY	ALLOY		MEDANA & VISCA TAB. 132 C			2
FO107	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		RETURN F.O. D.G. - STBD SIDE	1
FO108	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		RETURN F.O. D.G. - STBD SIDE	1
FO109	BALL VALVE	15/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		RETURN F.O. D.G. - PORT SIDE	1
FO110	BALL VALVE	25/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		RETURN F.O. DD.GG. - STBD SIDE INTERCEPT	1
FO111	BALL VALVE	25/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		RETURN F.O. D.G. - PORT SIDE INTERCEPT	1
FO112	BALL VALVE	25/6	AISI 316 L	AISI 316 L		MEDANA & VISCA TAB. 201		RETURN F.O. DD.GG. - SECTION	1