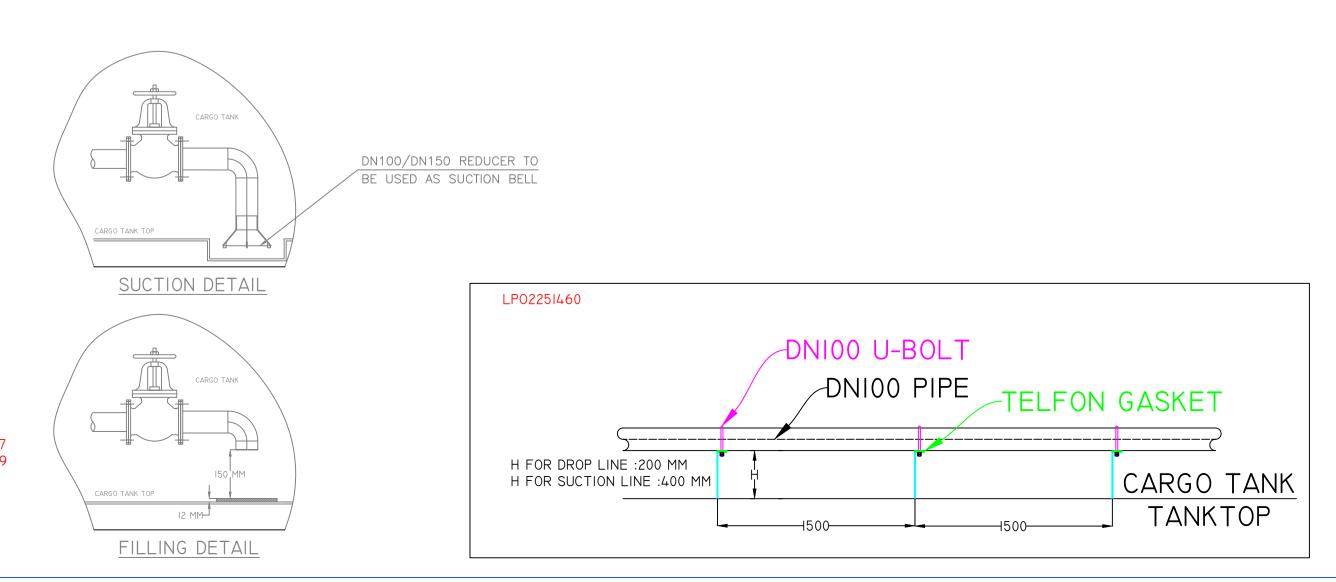


MATERIAL / SPEC. / NOTE QTY UNIT

DESCRIPTION



PIPE DIMENSIONS									
DN65	PIPE	76.1x7.6 mm	BLACK STEFI						
DN100	PIPE	114.3x6.02 mm	BLACK SIEEL						

NOTES:

-WORKING PRESSURE IS 6 BAR

-TEST PRESSURE IS 9 BAR

-CLASS III PIPING SYSTEM LP02251446

-ALL VALVES ARE TO BE MILD STEEL/PTFE, PNI6 -ALL PIPES ARE TO BE BLACK STEEL

-ALL THE BULKHEAD SLEEVES SHALL BE WATERTIGHT.

-APPROVAL REFERENCE OF CARGO PUMPS WILL BE DOCUMENTED.

-PIPE CONNECTIONS ARE TO BE FULL PENERATION BUTT WELDED TYPE. -CARGO PUMPS ARE USED FOR STRIPPING PURPOSE AS WELL.

-CARGO PIPE SECTIONS AND THEIR ACCESSORIES ARE TO BE ELECTRICALLY

BONDED TOGETHER AND TO THE SHIP'S HULL

-CARGO PUMPS ARE TO BE CAPABLE OF BEING STOPPED FROM MANIFOLD ZONE

-CARGO PUMPS ARE TO BE MONITORED AS REQUIRED IN BY RULES

-CARGO PIPES AND VALVES ARE TO BE INSTALLED INSIDE CARGO TANKS ***

LPO2251455 -ALL VALVES ARE TO BE HYDRAULIC REMOTE CONTROL EXCEPT CS01,CS02,CS03,CS04 CS05,CS06. REMOTE CONTROL SYSTEM TO BE BV INSPECTION SYSTEM

LP02251458 -WHERE NECESSARY, CARGO PIPING IS TO BE FITTED WITH EXPANSION JOINTS OR BENDS. EXPANSION JOINTS ARE TO BE TYPE APPROVED BY THE SOCIETY.



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Ship Name/Gemi Adı	_	
Ship Type/Gemi Tipi 730 DWT OIL TANKER	Shipyard/Tersane AKDENIZ SHIPYARD	
Class Society/Klas Kurulusu	Hull Nr./Insa No.	

BV	NB36	
Title/Baslik		Drawn by/Çizen AKDENIZ SHIPYAR
CARGO AND STE	RIPPING SYSTEM	Checked by/Kontrol Eden AKDENIZ SHIPYAR
		Approved By/Onaylayan AKDENIZ SHIPYAR
Drawing Nr./Resim No Rev. No 302	r./Rev. No. Sheet Nr./Sayfa No 00 1/1	Date/Tarih 22.07.2024

CAR	GO SYSTEM						
POS	DESCRIPTION	SIZE	PN	MATERIAL/SPEC.	QTY	CERTIFICATE	LABEL
CS01	BLIND PLATE VALVE/WAFER	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	MAKER	CARGO TK 6-7-8
CS02	BLIND PLATE VALVE/WAFER	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	MAKER	CARGO TK 5
CS03	BLIND PLATE VALVE/WAFER	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	MAKER	CARGO TK 1-2-3-4
CS04	BLIND PLATE VALVE/WAFER	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	MAKER	CARGO TK 6-7-8
CS05	BLIND PLATE VALVE/WAFER	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	MAKER	CARGO TK 5
CS06	BLIND PLATE VALVE/WAFER	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	MAKER	CARGO TK 1-2-3-4
CS07	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO LOAD/DSCH FOR 6-7-8
CS08	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO LOAD/DSCH FOR 5
CS09	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO LOAD/DSCH FOR 1-2-3-4
CS10	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER BY PASS - 1
CS11	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER BY PASS - 1
CS12	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER BY PASS - 2
CS13	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER BY PASS - 2
CS14	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER BY PASS - 2
CS15	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER BY PASS - 1
CS16	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER INLET
CS17	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER INLET
CS18	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER INLET
CS19	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER BY PASS - 3
CS20	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER BY PASS - 3
CS21	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	FLOWMETER BY PASS - 3
CS22	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO LOAD/DSCH FOR 6-7-8
CS23	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO LOAD/DSCH FOR 5
CS24	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO LOAD/DSCH FOR 1-2-3-4
CS25	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	MANIFOLD CARGO TK 6-7-8 BY PASS
CS26	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	MANIFOLD TO CARGO TK 6-7-8 SUC/DSCH
CS27	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS28	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS29	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS30	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS31	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	MANIFOLD TO CARGO TK 6-7-8 SUC/DSCH
CS32	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 1/2 DISCHARGE BY PASS
CS33	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 2 DISCHARGE
CS34	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 1 DISCHARGE
CS35	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 2 BY PASS
CS36	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 2 INLET
CS37	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 1 INLET
CS38	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 1 BY PASS
CS39	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS40	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS41	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS42	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS43	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS44	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS45	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS46	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS47	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	

CAR	GO SYSTEM						
POS	DESCRIPTION	SIZE	PN	MATERIAL/SPEC.	QTY	CERTIFICATE	LABEL
CS48	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS49	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS50	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS51	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS52	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS53	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS54	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS55	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 6 SB DROPLINE
CS56	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 7 SB DROPLINE
CS57	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 8 SB DROPLINE
CS58	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 8 PS DROPLINE
CS59	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 7 PS DROPLINE
CS60	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 6 PS DROPLINE
CS61	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 5 PS DROPLINE
CS62	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 4 PS DROPLINE
CS63	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 3 PS DROPLINE
CS64	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 2 PS DROPLINE
CS65	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 1 PS DROPLINE
CS66	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 1 SB DROPLINE
CS67	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 2 SB DROPLINE
CS68	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 3 SB DROPLINE
CS69	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 4 SB DROPLINE
CS70	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO TK 5 SB DROPLINE
CS71	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	MANIFOLD CARGO TK 1-2-3-4 BY PASS
CS72	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	MANIFOLD TO CARGO TK 1-2-3-4 SUC/DSCH
CS73	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS74	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS75	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS76	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS77	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS78	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS79	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS80	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	,	1	INSPECTION	
CS81	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/WET-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	
CS82	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	MANIFOLD TO CARGO TK 1-2-3-4 SUC/DSCH
CS83	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 5/6 DISCHARGE BY PASS
CS84	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 6 DISCHARGE
CS85	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 5 DISCHARGE
CS86	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 6 BY PASS
CS87	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	,	1	INSPECTION	CARGO PUMP 6 INLET
CS88	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 5 INLET
CS89	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	,	1	INSPECTION	CARGO PUMP 5 BY PASS
CS90	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	MANIFOLD TO CARGO TK 5 SUC/DSCH
CS91	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	MANIFOLD CARGO TK 5 BY PASS
CS92	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	MANIFOLD TO CARGO TK 5 SUC/DSCH
CS93	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	/	1	INSPECTION	CARGO PUMP 3/4 DISCHARGE BY PASS
CS94	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 4 DISCHARGE

CARGO SYSTEM							
POS	DESCRIPTION	SIZE	PN	MATERIAL/SPEC.	QTY	CERTIFICATE	LABEL
CS95	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 3 DISCHARGE
CS96	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 4 BY PASS
CS97	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 4 INLET
CS98	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 3 INLET
CS99	REMOTE CONTROLLED BUTTERFLY VALVE WAFER TYPE/DRY-DOUBLE ACTING	DN100	16	SEAT - PTFE, BODY STEEL & DISK - 316	1	INSPECTION	CARGO PUMP 3 BY PASS
CS100	CHECK VALVE/WAFER TYPE	DN150	16	SS/SS	1	MAKER	
CS101	CHECK VALVE/WAFER TYPE	DN150	16	SS/SS	1	MAKER	
CS102	CHECK VALVE/WAFER TYPE	DN150	16	SS/SS	1	MAKER	
CS103	CHECK VALVE/WAFER TYPE	DN150	16	SS/SS	1	MAKER	
CS104	CHECK VALVE/WAFER TYPE	DN150	16	SS/SS	1	MAKER	
CS105	CHECK VALVE/WAFER TYPE	DN150	16	SS/SS	1	MAKER	