



CCGS PRIVATE ROBERTSON V.C.

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CANADIAN COAST GUARD		VALVE SCHEDULE			
		MID-SHORE PATROL VESSEL			
		Format: A4		Project No : 6094	
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Contract No.:		Drawing No:			Rev
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A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Weel.W=Socket Weld

AF6094-25100-01 ARR.OF EXHAUST GAS PIPING FOR MAIN ENGINES & DIESEL GENERATORS

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V251001	EXHAUST	1	20 (3/4")	GATE VALVE		EXHAUST DRAIN - M.E. (PS) - MMR			800 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL BODY & BOLTED BONNET	SS SOLID WEDGE, STEM, SEAT, GLAND FLANGE & PACKING GLAND, SS SPIRAL WOUND GASKET WITH GRAPHITE, GRAFOIL PACKING AND DI HANDWHEEL	NO	MINIMUM TEMPERATURE RATING: 500°C
V251002	EXHAUST	1	20 (3/4")	GATE VALVE		EXHAUST DRAIN - M.E. (SB) - MMR			800 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL BODY & BOLTED BONNET	SS SOLID WEDGE, STEM, SEAT, GLAND FLANGE & PACKING GLAND, SS SPIRAL WOUND GASKET WITH GRAPHITE, GRAFOIL PACKING AND DI HANDWHEEL	NO	MINIMUM TEMPERATURE RATING: 500°C
V251003	EXHAUST	1	20 (3/4")	GATE VALVE		EXHAUST DRAIN - M.E. SILENCER (SB) - AMR			800 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL BODY & BOLTED BONNET	SS SOLID WEDGE, STEM, SEAT, GLAND FLANGE & PACKING GLAND, SS SPIRAL WOUND GASKET WITH GRAPHITE, GRAFOIL PACKING AND DI HANDWHEEL	NO	MINIMUM TEMPERATURE RATING: 500°C
V251004	EXHAUST	1	20 (3/4")	GATE VALVE		EXHAUST DRAIN - M.E. SILENCER (PS) - AMR			800 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL BODY & BOLTED BONNET	SS SOLID WEDGE, STEM, SEAT, GLAND FLANGE & PACKING GLAND, SS SPIRAL WOUND GASKET WITH GRAPHITE, GRAFOIL PACKING AND DI HANDWHEEL	NO	MINIMUM TEMPERATURE RATING: 500°C
V251005	EXHAUST	1	20 (3/4")	GATE VALVE		EXHAUST DRAIN - D.G. (PS) - AMR			800 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL BODY & BOLTED BONNET	SS SOLID WEDGE, STEM, SEAT, GLAND FLANGE & PACKING GLAND, SS SPIRAL WOUND GASKET WITH GRAPHITE, GRAFOIL PACKING AND DI HANDWHEEL	NO	MINIMUM TEMPERATURE RATING: 500°C
V251006	EXHAUST	1	20 (3/4")	GATE VALVE		EXHAUST DRAIN - D.G. (SB) - AMR			800 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL BODY & BOLTED BONNET	SS SOLID WEDGE, STEM, SEAT, GLAND FLANGE & PACKING GLAND, SS SPIRAL WOUND GASKET WITH GRAPHITE, GRAFOIL PACKING AND DI HANDWHEEL	NO	MINIMUM TEMPERATURE RATING: 500°C
V251007	EXHAUST	1	20 (3/4")	GATE VALVE		EXHAUST DRAIN - D.G. SILENCER (PS) - STEERING GEAR COMPARTMENT			800 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL BODY & BOLTED BONNET	SS solid wedge, stem, seat, gland flange & packing gland, SS spiral wound gasket with graphite, grafoil packing and DI handwheel	NO	MINIMUM TEMPERATURE RATING: 500°C
V251008	EXHAUST	1	20 (3/4")	GATE VALVE		EXHAUST DRAIN - D.G. SILENCER (SB) - STEERING GEAR COMPARTMENT			800 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL BODY & BOLTED BONNET	SS SOLID WEDGE, STEM, SEAT, GLAND FLANGE & PACKING GLAND, SS SPIRAL WOUND GASKET WITH GRAPHITE, GRAFOIL PACKING AND DI HANDWHEEL	NO	MINIMUM TEMPERATURE RATING: 500°C

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V251301	EXHAUST	1	15 (1/2")	GATE VALVE		EXHAUST DRAIN - E.D.G. SILENCER - EMERGENCY DIESEL GENERATOR COMPARTMENT			800 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL BODY & BOLTED BONNET	SS SOLID WEDGE, STEM, SEAT, GLAND FLANGE & PACKING GLAND, SS SPIRAL WOUND GASKET WITH GRAPHITE, GRAFOIL PACKING AND DI HANDWHEEL	NO	MINIMUM TEMPERATURE RATING: 500°C

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Wheel.

AF6094-25600-01 COOLING WATER SYSTEM

ID NO.	SERVICE	NO	DIM.		ARTICLE	LOCATION	SUPPL	OPER	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V256001	COOLING WATER	1	250	BUTTERFLY VALVE		PS SEA CHEST ISOLATION			PN10	F	DIN2501	DUCTILE IRON - GGG 40.3, CAST IRON GEARBOX WITH POSITION INDICATOR	316L STEM, AL-BRZ DISC, NBR LINER	YES	ALFA FIGURE S46; CLASS II LR
V256002	COOLING WATER	1	250	BUTTERFLY VALVE		SB SEA CHEST ISOLATION			PN10	F	DIN2501	DUCTILE IRON - GGG 40.3, CAST IRON GEARBOX WITH POSITION INDICATOR	316L STEM, AL-BRZ DISC, NBR LINER	YES	ALFA FIGURE S46; CLASS II LR
V256003	COOLING WATER	1	100	BUTTERFLY VALVE		FWD SEA CHEST ISOLATION			PN10	F	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR LINER	YES	ALFA FIGURE S46; CLASS II LR
V256004	COOLING WATER	1	250	SEABOX STRAINER - ANG		PS SEA STRAINER			PN10			HOT-DIPPED GALV STEEL	REMOVABLE SST PERFORATED PLATE	NO	ORDERED IN DOC. 6094-82130-31
V256005	COOLING WATER	1	250	SEABOX STRAINER - ANG		SB SEA STRAINER			PN10			HOT-DIPPED GALV STEEL	REMOVABLE SST PERFORATED PLATE	NO	ORDERED IN DOC. 6094-82130-31
V256006	COOLING WATER	1	100	SEABOX STRAINER - ANG		FWD SEA STRAINER			PN16			HOT-DIPPED GALV STEEL	REMOVABLE SST PERFORATED PLATE	NO	ORDERED IN DOC. 6094-82130-31
V256007	COOLING WATER	1	100	SDNR GLOBE VALVE STR		PS SEA CHEST RECIRC		NC	PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	DIKKAN FIGURE 10.3559SD; CLASS II LR
V256008	COOLING WATER	1	100	SDNR GLOBE VALVE STR		SB SEA CHEST RECIRC		NC	PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	DIKKAN FIGURE 10.3559SD; CLASS II LR
V256010	COOLING WATER	1	150	BUTTERFLY VALVE		PS SEA CHEST VENT		NC	PN16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	YES	ALFA FIGURE S64; CLASS II LR
V256011	COOLING WATER	1	150	BUTTERFLY VALVE		SB SEA CHEST VENT		NC	PN16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	YES	ALFA FIGURE S64; CLASS II LR
V256012	COOLING WATER	1	65	BUTTERFLY VALVE		FWD SEA CHEST VENT		NC	PN16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	YES	ALFA FIGURE S64; CLASS II LR
V256013	COOLING WATER	1	250	BUTTERFLY VALVE		PS SEA STRAINER OUTLET			PN10	WL	DIN2501	DUCTILE IRON - GGG 40.3, ALUMINUM GEARBOX WITH POSITION INDICATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS II LR
V256014	COOLING WATER	1	250	BUTTERFLY VALVE		SB SEA STRAINER OUTLET			PN10	WL	DIN2501	DUCTILE IRON - GGG 40.3, ALUMINUM GEARBOX WITH POSITION INDICATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS II LR
V256016	COOLING WATER	1	25 (1")	BALL VALVE		PS SEA STRAINER VENT			PN25	BSP		BSP THREAD, BRONZE BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	KULVENTIL FIGURE 443024; CLASS III
V256018	COOLING WATER	1	200	BUTTERFLY VALVE		PS MAIN ENGINE SUPPLY			PN10	WL	DIN2501	DUCTILE IRON - GGG 40.3, ALUMINUM GEARBOX WITH POSITION INDICATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256020	COOLING WATER	1	80	BUTTERFLY VALVE		SEA WATER SERVICE PUMP SUPPLY			PN16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256022	COOLING WATER	1	200	BUTTERFLY VALVE		SB MAIN ENGINE SUPPLY			PN10	WL	DIN2501	DUCTILE IRON - GGG 40.3, ALUMINUM GEARBOX WITH POSITION INDICATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256023	COOLING WATER	1	25 (1")	BALL VALVE		SB SEABOX STRAINER VENT			PN25	BSP		BSP THREAD, BRONZE BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	KULVENTIL FIGURE 443024
V256024	COOLING WATER	1	25 (1")	BALL VALVE		FWD SEA STRAINER VENT			PN25	BSP		BSP THREAD, BRONZE BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	KULVENTIL FIGURE 443024

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		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V256030	COOLING WATER	1	50	BUTTERFLY VALVE		PS DIESEL GENERATOR SUPPLY			PN16	WL	DIN 2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256031	COOLING WATER	1	50	BUTTERFLY VALVE		SB DIESEL GENERATOR SUPPLY			PN16	WL	DIN 2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256032	COOLING WATER	1	150	SDNR GLOBE VALVE ANG		PS O/B DISCHARGE		SDNR	PN16	F	DIN 2501	FLANGED / DUCTILE IRON - GGG40.3, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	DIKKAN FIGURE 10.159SD; CLASS II LR
V256034	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI01			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256035	COOLING WATER	1	150	SDNR GLOBE VALVE ANG		SB O/B DISCHARGE		SDNR	PN16	F	DIN 2501	FLANGED / DUCTILE IRON - GGG40.3, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	DIKKAN FIGURE 10A.359SD; CLASS II LR
V256037	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI02			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256042	COOLING WATER	1	100	BUTTERFLY VALVE		FWD SEA STRAINER OUTLET			PN16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256043	COOLING WATER	1	65	BUTTERFLY VALVE		PS MAIN ENGINE EXHAUST			PN16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256045	COOLING WATER	1	50	BUTTERFLY VALVE		PS DIESEL GENERATOR EXHAUST			PN16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256047	COOLING WATER	1	50	BUTTERFLY VALVE		SB DIESEL GENERATOR EXHAUST			PN16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256049	COOLING WATER	1	65	BUTTERFLY VALVE		SB MAIN ENGINE EXHAUST			PN16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256055	COOLING WATER	1	80	BUTTERFLY VALVE		ACU PUMP SUCT ISOLATION			PN16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256061	COOLING WATER	1	65	ANODE		ACU ANODE			PN10						
V256065	COOLING WATER	1	65	SDNR GLOBE VALVE ANG		ACU O/B DISCHARGE		SDNR	PN16	F	DIN 2501	FLANGED / DUCTILE IRON - GGG40.3, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	DIKKAN FIGURE 10A.3559SD; CLASS II LR
V256073	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		PS MAIN ENGINE PRE-HEATER SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256074	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		PS MAIN ENGINE PRE-HEATER RETURN			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256075	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		SB MAIN ENGINE PRE-HEATER SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256076	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		SB MAIN ENGINE PRE-HEATER RETURN			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256077	COOLING WATER	1	15 (1/2")	GLOBE VALVE - STR		SB MAIN ENGINE FUEL OIL HEAT EXCHANGER VENT			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III

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V256078	COOLING WATER	1	15 (1/2")	GLOBE VALVE - STR		PS MAIN ENGINE FUEL OIL HEAT EXCHANGER VENT			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256079	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI03			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256080	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI04			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256081	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI05			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256082	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI06			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256083	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI07			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256084	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI08			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256085	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI09			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256086	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI10			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256087	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI11			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256090	COOLING WATER	1	50	BUTTERFLY VALVE		COOLING WTR SUPPLY HEADER VENT			PN16	WL	DIN 2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256093	COOLING WATER	1	25 (1")	BALL VALVE		PS ME COOLING WTR PRIMING			PN25	BSP		BSP THREAD, BRONZE BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	KULVENTIL FIGURE 443024; CLASS III
V256094	COOLING WATER	1	25 (1")	BALL VALVE		SB ME COOLING WTR PRIMING			PN25	BSP		BSP THREAD, BRONZE BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	KULVENTIL FIGURE 443024; CLASS III
V256095	COOLING WATER	1	200	SWING CHECK VALVE		SB MAIN ENGINE WATER SUPPLY			PN16	WL	DIN2501	ZN-FREE BRONZE, FULL BORE	LOW PRESSURE LOSS, AL-BRZ DISC, NBR DISC RING & FLANGE SEAL	NO	DIKKAN FIGURE 75.CA; CLASS III
V256096	COOLING WATER	1	200	SWING CHECK VALVE		PS MAIN ENGINE SUPPLY			PN16	WL	DIN2501	ZN-FREE BRONZE, FULL BORE	LOW PRESSURE LOSS, AL-BRZ DISC, NBR DISC RING & FLANGE SEAL	NO	DIKKAN FIGURE 75.CA; CLASS III
V256098	COOLING WATER	1	80	BUTTERFLY VALVE		SEA WATER SERVICE COOLING PUMP SUCTION			PN16	WL		DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256099	COOLING WATER	1	80	BUTTERFLY VALVE		SEA WATER SERVICE COOLING PUMP SUCTION			PN16	WL		DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256100	COOLING WATER	1	65	BUTTERFLY VALVE		SEA WATER SERVICE COOLING PUMP DISCH			PN16	WL	DIN 2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256101	COOLING WATER	1	65	BUTTERFLY VALVE		SEA WATER SERVICE COOLING PUMP DISCH			PN16	WL	DIN 2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256104	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		PS CPP HPU COOLING WATER SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256105	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		PS CPP HPU COOLING WATER DISCHARGE			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256106	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		SB CPP HPU COOLING WATER SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III

ID NO.	SERVICE	NO	DIM.		ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V256107	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		SB CPP HPU COOLING WATER DISCHARGE			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256108	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		CYCLONE FILTER SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256110	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		CYCLONE FILTER DISCH			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256111	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		CYCLONE FILTER BY-PASS			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256112	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		PS STERN TUBE BEARING ISOLATION			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256113	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		SB STERN TUBE BEARING ISOLATION			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256114	COOLING WATER	1	40	SDNR GLOBE VALVE ANG		SB ME GEARBOX O/B DISCH		SDNR	PN16	F	DIN 2501	FLANGED / DUCTILE IRON - GGG40.3, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	DIKKAN FIGURE 10A.3559SD; CLASS II LR
V256115	COOLING WATER	1	40	SDNR GLOBE VALVE ANG		PS ME GEARBOX O/B DISCH		SDNR	PN16	F	DIN 2501	FLANGED / DUCTILE IRON - GGG40.3, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	DIKKAN FIGURE 10A.3559SD; CLASS II LR
V256116	COOLING WATER	1	40	LUGGED BUTTERFLY		HPU COOLING WATER SUPPLY			PN16	BSP		DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256117	COOLING WATER	1	40	LUGGED BUTTERFLY		HPU COOLING WATER DISCH			PN16	BSP		DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256119	COOLING WATER	1	25 (1")	BALL VALVE		TO SANITARY FRESH WATER SYSTEM			PN25	BSP		BSP THREAD, BRONZE BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	KULVENTIL FIGURE 443024; CLASS III
V256120	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESS INDICATOR 256PI13			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256121	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESS INDICATOR 256PI12			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256122	COOLING WATER	1	150	RESTRICTION ORIFICE		PS M.E. COOLING WATER DISCH				F		STEEL GR A	N / A	NO	SHIPYARD SUPPLY PER 6094-35000-006
V256123	COOLING WATER	1	150	RESTRICTION ORIFICE		SB M.E. COOLING WATER DISCH				F		STEEL GR A	N / A	NO	SHIPYARD SUPPLY PER 6094-35000-007
V256124	COOLING WATER	1	40	RESTRICTION ORIFICE		SB ME GEARBOX SUPPLY				F		STEEL GR A	N / A	NO	SHIPYARD SUPPLY PER 6094-35000-008
V256125	COOLING WATER	1	40	RESTRICTION ORIFICE		PS ME GEARBOX SUPPLY				F		STEEL GR A	N / A	NO	SHIPYARD SUPPLY PER 6094-35000-009
V256130	COOLING WATER	1	25	SOLENOID VALVE		CYCLONE FILTER O/B DISCH			PN16			THORDON SUPPLY		NO	THORDON SUPPLY
V256131	COOLING WATER	1	25	GATE VALVE		CYCLONE FILTER O/B DISCH			PN40	F		FLANGED / FORGED STEEL BODY & BONNET	SS WEDGE, SS STEM & SEAT, GRAPHITE GLAND PACKING, STEEL HW	YES	ECONOSTO FIGURE 3840 OR EQUAL; CLASS II
V256132	COOLING WATER	1	65	SWING CHECK VALVE		SEA WATER SERVICE COOLING PUMP DISCHARGE			PN16	W	DIN2501	ZN-FREE BRONZE, FULL BORE	AL-BRZ DISC, NBR DISC RING & FLANGE SEAL	NO	DIKKAN FIGURE 75.CA; CLASS III
V256133	COOLING WATER	1	65	SWING CHECK VALVE		SEA WATER SERVICE COOLING PUMP DISCHARGE			PN16	W	DIN2501	ZN-FREE BRONZE, FULL BORE	AL-BRZ DISC, NBR DISC RING & FLANGE SEAL	NO	DIKKAN FIGURE 75.CA; CLASS III

ID NO.	SERVICE	NO	DIM.		ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V256136	COOLING WATER	1	20	GLOBE VALVE - STR		REFRIGERATING CONDENSING UNIT SUPPLY			PN16	F	DIN 2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	DIKKAN FIGURE 10.1559ST; CLASS III
V256137	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		REFRIGERATING CONDENSING UNIT COOLING PUMP SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256138	COOLING WATER	1	20	SDNR GLOBE VALVE - STR		REFRIG COND UNIT PUMP DISCH			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559SD; CLASS III
V256139	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		REFRIGERATING CONDENSING UNIT SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256140	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		REFRIGERATING CONDENSING UNIT SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256141	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		REFRIGERATING CONDENSING UNIT DISCHARGE			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256142	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		REFRIGERATING CONDENSING UNIT DISCHARGE			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256143	COOLING WATER	1	50	BUTTERFLY VALVE		SB DIESEL GENERATOR DISCH			PN16	WL	DIN 2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256144	COOLING WATER	1	50	BUTTERFLY VALVE		PS DIESEL GENERATOR DISCH			PN16	WL	DIN 2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ALFA FIGURE S64; CLASS III
V256145	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI14			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256146	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI16			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256147	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI15			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256148	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI17			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256149	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI18			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256150	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI19			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256159	COOLING WATER	1	40	3-WAY FLOW CONTROL - THERMOREGULATING		BOWTHRUSTER / WINCHES / DECK CRANE HPU VENDOR SUPPLY									HPU VENDOR SUPPLY
V256161	COOLING WATER	1	15 (1/2")	GLOBE VALVE - STR		PS SHAFTLINE SEAL COOLING INLET			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256162	COOLING WATER	1	15 (1/2")	BALL VALVE		PS SHAFTLINE SEAL COOLING LINE DRAIN			PN25	BSP		BSP THREAD, BRONZE BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIG 1602
V256163	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		PS BEARING COOLING INLETS			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III

ID NO.	SERVICE	NO	DIM.		ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V256165	COOLING WATER	1	15 (1/2")	GLOBE VALVE - STR		TO SB SHAFTLINE SEAL COOLING INLET			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256166	COOLING WATER	1	15 (1/2")	BALL VALVE		PS SHAFTLINE SEAL COOLING LINE DRAINAGE			PN25	BSP		BSP THREAD, BRONZE BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIG 1602
V256167	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		TO SB BEARING COOLING INLETS			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256168	COOLING WATER	1	65	SWING CHECK VALVE		SB MAIN ENGINE DISCH NON-RETURN			PN16	W		ZN-FREE BRONZE, FULL BORE	LOW PRESSURE LOSS, AL-BRZ DISC, NBR DISC RING & FLANGE SEAL	NO	DIKKAN FIGURE 75.CA; CLASS III
V256169	COOLING WATER	1	65	SWING CHECK VALVE		PS MAIN ENGINE DISCH NON-RETURN			PN16	W		ZN-FREE BRONZE, FULL BORE	LOW PRESSURE LOSS, AL-BRZ DISC, NBR DISC RING & FLANGE SEAL	NO	DIKKAN FIGURE 75.CA; CLASS III
V256170	COOLING WATER	1	20 (3/4")	GLOBE VALVE - STR		REFRIGERATING CONDENSING UNITS SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	DIKKAN FIGURE 59.559ST; CLASS III
V256171	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI20			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256172	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI21			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256173	COOLING WATER	1	20	FLEX CONN		CPP HPU DISCH			PN16			FLANGED, GALV STEEL	EPDM	NO	ECONOSTO FIGURE 5571K OR EQUAL (SHOP FABRICATION)
V256174	COOLING WATER	1	20	FLEX CONN		CPP HPU SUPPLY						FLANGED, GALV STEEL	EPDM	NO	ECONOSTO FIGURE 5571K OR EQUAL (SHOP FABRICATION)
V256175	COOLING WATER	1	20	FLEX CONN		CPP HPU SUPPLY						FLANGED, GALV STEEL	EPDM	NO	ECONOSTO FIGURE 5571K OR EQUAL (SHOP FABRICATION)
V256176	COOLING WATER	1	20	FLEX CONN		CPP HPU DISCHARGE						FLANGED, GALV STEEL	EPDM	NO	ECONOSTO FIGURE 5571K OR EQUAL (SHOP FABRICATION)
V256177	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI22			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256178	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 256PI23			PN25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V256179	COOLING WATER	1	20	Y-TYPE STRAINER		REFRIGERATING CONDENSING UNIT SUPPLY			PN10	BSP		BRONZE BODY		NO	MESH 20 OR EQUIVALENT
V256181	COOLING WATER	1	20 (3/4")	SWING CHECK VALVE		REFRIGERATING CONDENSING UNIT DISCH. NON-RETURN			PN16	BSP		ZN-FREE BRONZE, FULL BORE	LOW PRESSURE LOSS, AL-BRZ DISC, NBR DISC RING & FLANGE SEAL	NO	ECONOSTO FIGURE 505BR OR EQUAL
V256182	COOLING WATER	1	40	SWING CHECK VALVE		BOWTHRUSTER / WINCHES / DECK CRANE HPU DISCH. NON-RETURN			PN16	W		ZN-FREE BRONZE, FULL BORE	LOW PRESSURE LOSS, AL-BRZ DISC, NBR DISC RING & FLANGE SEAL	NO	DIKKAN FIGURE 75.CA; CLASS III
V256183	COOLING WATER	1	20 (3/4")	SWING CHECK VALVE		CPP HPU DISCH. NON-RETURN			PN16	BSP		ZN-FREE BRONZE, FULL BORE	LOW PRESSURE LOSS, AL-BRZ DISC, NBR DISC RING & FLANGE SEAL	NO	ECONOSTO FIGURE 505BR OR EQUAL
V256184	COOLING WATER	1	80	Y-TYPE STRAINER		AC UNIT COOLING PUMP SUPPLY			PN10			BRONZE BODY		NO	MESH 20 OR EQUIVALENT
V256187	COOLING WATER	1	25 (1")	GLOBE VALVE - STR		ACU BY-PASS			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V256188	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		SEAWATER SERVICE PUMP #6 DISCH. PS003			PN25					NO	
V256189	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		SEAWATER SERVICE PUMP #5 DISCH. PS002			PN25					NO	
V256190	COOLING WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE SWITCH 256PS001			PN25					NO	
V256191	COOLING WATER	1	50	PNEUMATIC REMOTE CONTROL VALVE		PS DIESEL GENERATOR SUPPLY			PN25	F		GUN METAL BODY	BRASS SEAT, BRASS SPRING CAP, BRASS SPRING GUIDE, EPDM MEMBRANE, NBR O-RING	NO	DRV 550

ID NO.	SERVICE	NO	DIM.		ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V256192	COOLING WATER	1	50	PNEUMATIC REMOTE CONTROL VALVE		SB DIESEL GENERATOR SUPPLY			PN25	F		GUN METAL BODY	BRASS SEAT, BRASS SPRING CAP, BRASS SPRING GUIDE, EPDM MEMBRANE, NBR O-RING	NO	DRV 550
V256193	COOLING WATER	1	3/4"	PNEUMATIC REMOTE CONTROL VALVE		PS STERNTUBE BEARING ISOLATION			300 PSIG	NPT		BRONZE BODY	BRONZE STEM, BUNA N SEAT, STAINLESS STEEL SEAT AND SPRING, BUNA N DIAPHRAGM	NO	SPENCE D36
V256194	COOLING WATER	1	3/4"	PNEUMATIC REMOTE CONTROL VALVE		SB STERNTUBE BEARING ISOLATION			300 PSIG	NPT		BRONZE BODY	BRONZE STEM, BUNA N SEAT, STAINLESS STEEL SEAT AND SPRING, BUNA N DIAPHRAGM	NO	SPENCE D36
V256195	COOLING WATER	1	32	PNEUMATIC REMOTE CONTROL VALVE		ACU SUPPLY								NO	BMI SUPPLY
V256196	COOLING WATER	1	20 (3/4")	SWING CHECK VALVE		CPP HPU DISCH. NON-RETURN			PN16	BSP		ZN-FREE BRONZE, FULL BORE	LOW PRESSURE LOSS, AL-BRZ DISC, NBR DISC RING & FLANGE SEAL	NO	ECONOSTO FIGURE 505BR OR EQUAL
E256102	COOLING WATER	1	1 1/2"	SPRAY NOZZLE		PS DIESEL GENERATOR EXHAUST COOLING			N/A	BSP		STAINLESS STEEL		NO	BETE TF56, 90 DEGREE
E256102	COOLING WATER	1	1 1/2"	SPRAY NOZZLE		SB DIESEL GENERATOR EXHAUST COOLING			N/A	BSP		STAINLESS STEEL		NO	BETE TF56, 90 DEGREE
E256103	COOLING WATER	1	2"	SPRAY NOZZLE		PS MAIN ENGINE EXHAUST COOLING			N/A	BSP		STAINLESS STEEL		NO	BETE TF88, 90 DEGREE
E256103	COOLING WATER	1	2"	SPRAY NOZZLE		SB MAIN ENGINE EXHAUST COOLING			N/A	BSP		STAINLESS STEEL		NO	BETE TF88, 90 DEGREE

AF6094-26400-01 LUBRICATING SYSTEM DIAGRAM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V264002	LUB OIL	1	25 (1")	GLOBE VALVE - STR		LO TRANSFER EL. PUMP SUPPLY			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V264003	LUB OIL	1	25 (1")	GLOBE VALVE - STR (SDNR)		LO TRANSFER EL. PUMP DISCH			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V264004	LUB OIL	1	25 (1")	GLOBE VALVE - STR		LO TRANSFER HAND PUMP SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V264005	LUB OIL	1	25 (1")	GLOBE VALVE - STR (SDNR)		LO TRANSFER HAND PUMP DISCH			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V264006	LUB OIL	1	25 (1")	GLOBE VALVE - STR		MAIN ENGINE SUMP LO SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V264012	LUB OIL	1	20 (3/4")	GLOBE VALVE - STR		MAIN ENGINE (SB) PRE-LUBE PUMP SUCTION			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V264015	LUB OIL	1	20 (3/4")	GLOBE VALVE - STR		MAIN ENGINE (PS) PRE-LUBE PUMP SUCTION			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V264020	LUB OIL	1	15 (1/2")	GATE VALVE		DIESEL GENERATORS LO RESERVOIR			PN 10	NPT		BRONZE BS 1400 LG2	BRONZE VALVE AND TRIM	NO	
V264021	LUB OIL	1	20 (3/4")	MAGNETIC LEVEL INDICATOR		DIESEL GENERATORS LO RESERVOIR							STAINLESS STEEL BOSS WELD	YES	ORDERED IN DOC. 6094-82130-73 L=620 MM
V264022	LUB OIL	1	25 (1")	MANUAL HOSE NOZZLE		TO DIESEL GENERATOR LO FILLING SUMP			PN 16	BSP		BSP THREAD, ALUMINUM BODY	AUTOMATIC SHUT-OFF	NO	ORDERED IN DOC. 6094-82130-49
V264023	LUB OIL	1	25	GLOBE VALVE		DIESEL GENERATOR LO RESERVOIR (SUPPLY)			PN 16	F		CS BODY, FORGED STEEL BONNET	BR DISC AND SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HANDWHEEL	NO	ECONOSTO FIGURE 398 OR EQUAL
V264024	LUB OIL	1	25 (1")	MANUAL HOSE NOZZLE		MAIN ENGINES SUMP FILLING			PN 16	BSP		BSP THREAD, ALUMINUM BODY	AUTOMATIC SHUT-OFF	NO	ORDERED IN DOC. 6094-82130-49
V264025	LUB OIL	1	-	TANK FILLER BREATHER		DIESEL GENERATOR LO RESERVOIR (SUPPLY)				F		FLANGED		NO	FBB-150-40
V264026	LUB OIL	1	15 (1/2")	SELF CLOSING VALVE		ON EDG'S LO RESERVOIR			PN 10	BSP		BRONZE BS 1400 LG2	MANGANESE BRONZE SPINDLE, SS SPRING, BR LEVER AND GLAND, BRASS PLUG	NO	YOUNG & CUNNINGHAM SUPPLY
V264027	LUB OIL	1	-	TANK FILLER BREATHER		ON EDG'S LO RESERVOIR (SUPPLY)				F		FLANGED		NO	FBB-150-40
V264028	LUB OIL	1	20 (3/4")	MAGNETIC LEVEL INDICATOR		EMERGENCY DIESEL GENERATOR LO RESERVOIR							STAINLESS STEEL BOSS WELD	YES	ORDERED IN DOC. 6094-82130-73 L=350 MM
V264029	LUB OIL	1	20 (3/4")	NON-RETURN VALVE		MAIN ENGINE LO PRIMING PUMP DISCH - PS								NO	MTU SUPPLY
V264030	LUB OIL	1	20 (3/4")	NON-RETURN VALVE		MAIN ENGINE LO PRIMING PUMP DISCH - SB								NO	MTU SUPPLY
V264031	LUB OIL	1	25 (1")	GLOBE VALVE - STR		LO DRAIN HAND PUMP SUCTION			PN 10	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V264032	LUB OIL	1	40	GLOBE VALVE - STR		MAIN ENGINE LO STORAGE TK 05 FILLING			PN 16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	NO	ECONOSTO FIGURE 275 OR EQUAL
V264033	LUB OIL	1	25	GLOBE VALVE - STR		MAIN ENGINE LO STORAGE TANK 05 SUCTION			PN 16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	NO	ECONOSTO FIGURE 275 OR EQUAL
V264034	LUB OIL	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 264PI202			PN25	BSPP		BRASS (2 WAY - FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V264035	LUB OIL	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 264PI201			PN25	BSPP		BRASS (2 WAY - FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Weel.

AF6094-50000-02 AIR PIPES AND SOUNDING DIAGRAM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V500103	AIR PIPES AND SOUNDING	1	65	TANK VENT CHECK VALVE		BALLAST TK.17-PS			PN10	F/BW	DIN 2576	FLANGED / SEA WATER RESISTANT ALUM - DIN 1725	NBR O-RING/18 MESH SS. SCREEN/ POLYETHYLENE BALL	YES	ORDERED IN DOC. 6094-82130-42 Y&C SUPPLY
V500104	AIR PIPES AND SOUNDING	1	65	TANK VENT CHECK VALVE		BALLAST TK.16-SB			PN10	F/BW	DIN 2576	FLANGED / SEA WATER RESISTANT ALUM - DIN 1725	NBR O-RING/18 MESH SS. SCREEN/ POLYETHYLENE BALL	YES	ORDERED IN DOC. 6094-82130-42 Y&C SUPPLY
V500105	AIR PIPES AND SOUNDING	1	100	TANK VENT CHECK VALVE		FUEL OIL (STORAGE/OVERFLOW TK.9)			PN10	F/BW	DIN 2576	FLANGED / SEA WATER RESISTANT ALUM - DIN 1725	NBR O-RING/18 MESH SS. SCREEN/ POLYETHYLENE BALL	YES	ORDERED IN DOC. 6094-82130-42 Y&C SUPPLY
V500106	AIR PIPES AND SOUNDING	1	80	TANK VENT CHECK VALVE		SEWAGE TREATMENT SYSTEM			PN10	F/BW	DIN 2576	FLANGED / SEA WATER RESISTANT ALUM - DIN 1725	NBR O-RING/18 MESH SS. SCREEN/ POLYETHYLENE BALL	YES	ORDERED IN DOC. 6094-82130-42 Y&C SUPPLY
V500109	AIR PIPES AND SOUNDING	1	40	TANK VENT CHECK VALVE		DIRTY OIL & SLUDGE TK.15			PN10	F/BW	DIN 2576	FLANGED / SEA WATER RESISTANT ALUM - DIN 1725	NBR O-RING/18 MESH SS. SCREEN/ POLYETHYLENE BALL	YES	ORDERED IN DOC. 6094-82130-42 Y&C SUPPLY
V500110	AIR PIPES AND SOUNDING	1	50	TANK VENT CHECK VALVE		M.E. LUB OIL STORAGE TK.5			PN10	F/BW	DIN 2576	FLANGED / SEA WATER RESISTANT ALUM - DIN 1725	NBR O-RING/18 MESH SS. SCREEN/ POLYETHYLENE BALL	YES	ORDERED IN DOC. 6094-82130-42 Y&C SUPPLY
V500111	AIR PIPES AND SOUNDING	1	40	TANK VENT CHECK VALVE		BILGE WATER TK.4			PN10	F/BW	DIN 2576	FLANGED / SEA WATER RESISTANT ALUM - DIN 1725	NBR O-RING/18 MESH SS. SCREEN/ POLYETHYLENE BALL	YES	ORDERED IN DOC. 6094-82130-42 Y&C SUPPLY
V500112	AIR PIPES AND SOUNDING	1	150	OPEN ENDED GOOSENECK		MMR SEA CHEST VENT									OPEN TO ATMOSPHERE
V500113	AIR PIPES AND SOUNDING	1	50	TANK VENT CHECK VALVE WITH SCREEN AND FACING DOWNWARDS		FRESH WATER TANK 11 - PS			PN10	F/BW	DIN 2576	INVERTED / FLANGED / SEA WATER RESISTANT ALUM - DIN 1725	NBR O-RING / 18 MESH SST BUG SCREEN / POLYETHYLENE BALL	YES	ORDERED IN DOC. 6094-82130-42 Y&C SUPPLY
V500114	AIR PIPES AND SOUNDING	1	50	TANK VENT CHECK VALVE WITH SCREEN AND FACING DOWNWARDS		FRESH WATER TANK 12 - SB			PN10	F/BW	DIN 2576	INVERTED / FLANGED / SEA WATER RESISTANT ALUM - DIN 1725	NBR O-RING / 18 MESH SST BUG SCREEN / POLYETHYLENE BALL	YES	ORDERED IN DOC. 6094-82130-42 Y&C SUPPLY
V500115	AIR PIPES AND SOUNDING	1	65	OPEN ENDED GOOSENECK		FWD SEA CHEST VENT									OPEN TO ATMOSPHERE
V500116	AIR PIPES AND SOUNDING	1	65	TANK VENT CHECK VALVE		GREY WATER TK. 7A			PN10	F/BW	DIN 2576	FLANGED / SEA WATER RESISTANT ALUM - DIN 1725	NBR O-RING/18 MESH SS. SCREEN/ POLYETHYLENE BALL	YES	ORDERED IN DOC. 6094-82130-42 Y&C SUPPLY
V500201	AIR PIPES AND SOUNDING	1	40	SOUNDING HEAD DECK PLATE		FUEL OIL (STORAGE/OVERFLOW TK.9)				F/BW	DIN 2576	STEEL BODY CROSBIE - WELDED TYPE AC 40/6	BRONZE CAP	NO	ORDERED IN DOC. 6094-82130-43 WAGER SOUNDING TUBE MODEL 133V
V500202	AIR PIPES AND SOUNDING	1	40	SOUNDING HEAD DECK PLATE		FUEL OIL DAILY TK. 8A				F/BW	DIN 2576	STEEL BODY CROSBIE - WELDED TYPE AC 40/6	BRONZE CAP	NO	ORDERED IN DOC. 6094-82130-43 WAGER SOUNDING TUBE MODEL 133V
V500204	AIR PIPES AND SOUNDING	1	40	SOUNDING HEAD DECK PLATE		FUEL OIL SERVICE TANK 2				F/BW	DIN 2576	STEEL BODY CROSBIE - WELDED TYPE AC 40/6	BRONZE CAP	NO	ORDERED IN DOC. 6094-82130-43 WAGER SOUNDING TUBE MODEL 133V
V500205	AIR PIPES AND SOUNDING	1	40	SOUNDING HEAD DECK PLATE		FUEL OIL SERVICE TANK 3				F/BW	DIN 2576	STEEL BODY CROSBIE - WELDED TYPE AC 40/6	BRONZE CAP	NO	ORDERED IN DOC. 6094-82130-43 WAGER SOUNDING TUBE MODEL 133V
V500206	AIR PIPES AND SOUNDING	1	40	SOUNDING HEAD DECK PLATE		FUEL OIL STORAGE TANK 1				F/BW	DIN 2576	STEEL BODY CROSBIE - WELDED TYPE AC 40/6	BRONZE CAP	NO	ORDERED IN DOC. 6094-82130-43 WAGER SOUNDING TUBE MODEL 133V
V500207	AIR PIPES AND SOUNDING	1	40	SOUNDING HEAD DECK PLATE		VOID SPACE FR17 - FR18				F/BW	DIN 2576	STEEL BODY CROSBIE - WELDED TYPE AC 40/6	BRONZE CAP	NO	ORDERED IN DOC. 6094-82130-43 WAGER SOUNDING TUBE MODEL 133V
V500208	AIR PIPES AND SOUNDING	1	40 (1 1/2")	SELF CLOSING VALVE WITH TEST COCK		GREY WATER TK. 7A			PN2.5	BSP		BR BODY & CAP / BRASS TEST VALVE	BRONZE PLUNGER, COVER, LEVER & THREADED CAP, NBR GASKET & O-RINGS, SST BUT & CHAIN	NO	DIKKAN FIGURE 84.55

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V500209	AIR PIPES AND SOUNDING	1	40 (1 1/2")	SELF CLOSING VALVE WITH TEST COCK		DIRTY OIL & SLUDGE TK.15			PN2.5	BSP		BR BODY & CAP / BRASS TEST VALVE	BRONZE PLUNGER, COVER, LEVER & THREADED CAP, NBR GASKET & O-RRINGS, SST BUT & CHAIN	NO	DIKKAN FIGURE 84.55
V500210	AIR PIPES AND SOUNDING	1	40 (1 1/2")	SELF CLOSING VALVE WITH TEST COCK		BILGE WATER TK.4			PN2.5	BSP		BR BODY & CAP / BRASS TEST VALVE	BRONZE PLUNGER, COVER, LEVER & THREADED CAP, NBR GASKET & O-RRINGS, SST BUT & CHAIN	NO	DIKKAN FIGURE 84.55
V500211	AIR PIPES AND SOUNDING	1	40 (1 1/2")	SELF CLOSING VALVE WITH TEST COCK		M.E. LUB OIL STORAGE TK.5			PN2.5	BSP		BR BODY & CAP / BRASS TEST VALVE	BRONZE PLUNGER, COVER, LEVER & THREADED CAP, NBR GASKET & O-RRINGS, SST BUT & CHAIN	NO	DIKKAN FIGURE 84.55
V500212	AIR PIPES AND SOUNDING	1	40	SOUNDING HEAD DECK PLATE		CHAIN LOCKER FR37 - FR38				F/BW		STEEL BODY CROSBIE - WELDED TYPE AC 40/6	BRONZE CAP	NO	ORDERED IN DOC. 6094-82130-43 WAGER SOUNDING TUBE MODEL 133V
V500213	AIR PIPES AND SOUNDING	1	40	SOUNDING HEAD DECK PLATE		VOID SPACE FR25 - FR26				F/BW	DIN 2576	STEEL BODY CROSBIE - WELDED TYPE AC 40/6	BRONZE CAP	NO	ORDERED IN DOC. 6094-82130-43 WAGER SOUNDING TUBE MODEL 133V

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Wheel.

AF6094-52000-01 BILGE DRAINAGE AND DEWATERING SYSTEM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V520001	BILGE WATER	1	50	BILGE SUCTION STRAINER		AFT PEAK BILGE SUCTION			N/A	F		GALVANIZED STEEL, 8 mm PERFORATION, 10 X OPEN AREA	N/A	NO	ECONOSTO FIGURE 1190 OR EQUAL
V520004	BILGE WATER	1	40	ELECTRICAL REMOTE BUTTERFLY VALVE		AMR BILGE SUCTION (SB)		N.C.	PN 16	WL	DIN2501	DI - GGG 40.3	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62 ALFA FIGURE S40
V520006	BILGE WATER	1	40	ELECTRICAL REMOTE BUTTERFLY VALVE		MMR BILGE SUCTION (SB)		N.C.	PN 16	WL	DIN2501	DI - GGG 40.3	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62 ALFA FIGURE S40
V520007	BILGE WATER	1	50	BILGE SUCTION STRAINER		VOID SPACE FR 17- FR 25 SUCTION			N/A	F		GALVANISED STEEL	N/A	NO	ECONOSTO FIGURE 1190 OR EQUAL
V520013	BILGE WATER	1	65	FIRE SAFE BUTTERFLY VALVE		BILGE PUMPS - SUCTION CROSS CONNECT		N.O.	PN 16	WL	DIN2501	CAST STEEL BODY	SST DISC, STEM & PINS, FORGED STEEL PRESSURE RING, PTFE PRIMARY SEAT, SST SECONDARY SEAT AND GRAPHITE SHAFT SEAL	YES	ECONOSTO FIGURE 9930 OR EQUAL LR APPROVED FIRE SAFE TYPE
V520014	BILGE WATER	1	65	FIRE SAFE BUTTERFLY VALVE		BILGE PUMPS - SUCTION CROSS CONNECT		N.C.	PN 16	WL	DIN2501	CAST STEEL BODY	SST DISC, STEM & PINS, FORGED STEEL PRESSURE RING, PTFE PRIMARY SEAT, SST SECONDARY SEAT AND GRAPHITE SHAFT SEAL	YES	ECONOSTO FIGURE 9930 OR EQUAL LR APPROVED FIRE SAFE TYPE
V520015	BILGE WATER	1	65	BUTTERFLY VALVE		SEAWATER SUPPLY - FIREWATER		N.O.	PN 16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ECONOSTO FIGURE 6730LUG NON-REPLACEABLE LINER OR EQUAL
V520016	BILGE WATER	1	65	GLOBE VALVE - STR (SDNR)		BILGE PUMP #1 - DISCH		SDNR	PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263LK OR EQUAL
V520017	BILGE WATER	1	65	GLOBE VALVE - STR (SDNR)		BILGE PUMP #2 - DISCH		SDNR	PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263LK OR EQUAL
V520018	BILGE WATER	1	50	GLOBE VALVE - ANG (SDNR)		BILGE OVERBOARD		SDNR	PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	ECONOSTO FIGURE 264LK OR EQUAL CL II LR
V520019	BILGE WATER	1	50	GLOBE VALVE - ANG (SDNR)		BILGE OVERBOARD		SDNR	PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	ECONOSTO FIGURE 264LK OR EQUAL CL II LR
V520023	BILGE WATER	1	20	GLOBE VALVE SDNR		BILGE WATER TANK DISCHARGE. TO OILY WASTE SYSTEM		SDNR	PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263LK OR EQUAL
V520047	BILGE WATER	1	65	BILGE SUCTION STRAINER		BOW THRUSTER COMPARTMENT BILGE SUCTION			N/A	F	DIN2501	GALVANIZED STEEL, 8 mm PERFORATION, 10 X OPEN AREA	N/A	NO	ECONOSTO FIGURE 1190 OR EQUAL
V520048	BILGE WATER	1	65	ELECTRICAL REMOTE BUTTERFLY VALVE		BOW THRUSTER COMPARTMENT BILGE SUCTION		N.C.	PN 10	WL	DIN2501	DI - GGG 40.3	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62 ALFA FIGURE S65
V520050	BILGE WATER	1	65	CHECK VALVE		BILGE SUCTION FWD FR36.5			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BONNET	BRONZE SEAT & DISC, CAST IRON HINGE ARM, BRASS HINGE PIN, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL
V520055	BILGE WATER	1	65	GLOBE VALVE - STR		EDUCTOR SUPPLY			PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V520056	BILGE WATER	1	80	GLOBE VALVE - ANG (SDNR)		BILGE EDUCTOR O/B DISCH			PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	ECONOSTO FIGURE 263LK OR EQUAL CL. II LR
V520058	BILGE WATER	1	50	ELECTRICAL REMOTE BUTTERFLY VALVE		CHAIN LOCKER BILGE SUCTION		N.C.	PN 10	WL	DIN2501	DUCTILE IRON - GGG 40.3	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62
V520059	BILGE WATER	1	50	ELECTRICAL REMOTE BUTTERFLY VALVE		AFT PEAK BILGE SUCTION		N.C.	PN 10	WL	DIN2501	DUCTILE IRON - GGG 40.3	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62
V520060	BILGE WATER	1	50	ELECTRICAL REMOTE BUTTERFLY VALVE		VOID SPACE FR 17 - FR 25 SUCTION		N.C.	PN 10	WL	DIN2501	DUCTILE IRON - GGG 40.3	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62
V520062	BILGE WATER	1	65	ELECTRICAL REMOTE BUTTERFLY VALVE		FORE PEAK STORE BILGE SUCTION		N.C.	PN 16	WL	DIN2501	DUCTILE IRON - GGG 40.3	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62 ALFA FIGURE S65
V520063	BILGE WATER	1	65	BUTTERFLY VALVE		BILGE PUMP #1 - DISCHARGE		N.C.	PN 16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ECONOSTO FIGURE 6730LUG NON-REPLACEABLE LINER OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V520064	BILGE WATER	1	65	BUTTERFLY VALVE		BILGE PUMP #2 - DISCHARGE		N.C.	PN 16	WL	DIN2501	DUCTILE IRON - GGG 40.3, LEVER OPERATOR	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ECONOSTO FIGURE 6730LUG NON-REPLACEABLE LINER OR EQUAL
V520065	BILGE WATER	1	20	GLOBE VALVE - STR		MANUAL BILGE PUMP SUCTION			PN 10	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V520067	BILGE WATER	1	40	ELECTRICAL REMOTE BUTTERFLY VALVE		MMR BILGE SUCTION (PS)		N.C.	PN 10	WL	DIN2501	DUCTILE IRON - GGG 40.3	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62
V520073	BILGE WATER	1	50	ELECTRICAL REMOTE BUTTERFLY VALVE		CHAIN LOCKER ROOM BILGE SUCTION		N.C.	PN 16	WL	DIN2501	DUCTILE IRON - GGG 40.3	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62
V520076	BILGE WATER	1	1/4"	PRESSURE GAUGE COCK		BILGE PUMP #1 - SUCTION PRESSURE INDICATOR			PN 25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V520077	BILGE WATER	1	1/4"	PRESSURE INDICATOR		BILGE PUMP #1 - SUCTION PRESSURE INDICATOR			PN 16	BSP		N/A	N/A	NO	ORDERED IN DOC NO. 6094-82130-63
V520078	BILGE WATER	1	1/4"	PRESSURE GAUGE COCK		BILGE PUMP #1 - DISCHARGE PRESSURE INDICATOR			PN 25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V520079	BILGE WATER	1	1/4"	PRESSURE INDICATOR		BILGE PUMP #1 - DISCHARGE PRESSURE INDICATOR			PN 16	BSP		N/A	N/A	NO	ORDERED IN DOC NO. 6094-82130-63
V520080	BILGE WATER	1	1/4"	PRESSURE GAUGE COCK		BILGE PUMP #2 - SUCTION PRESSURE INDICATOR			PN 25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V520081	BILGE WATER	1	1/4"	PRESSURE INDICATOR		BILGE PUMP #2 - SUCTION PRESSURE INDICATOR			PN 16	BSP		N/A	N/A	NO	ORDERED IN DOC NO. 6094-82130-63
V520082	BILGE WATER	1	1/4"	PRESSURE GAUGE COCK		BILGE PUMP #2 - DISCHARGE PRESSURE INDICATOR			PN 25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V520083	BILGE WATER	1	1/4"	PRESSURE INDICATOR		BILGE PUMP #2 - DISCHARGE PRESSURE INDICATOR			PN 10	BSP		N/A	N/A	NO	ORDERED IN DOC NO. 6094-82130-63
V520084	BILGE WATER	1	20	SELF CLOSING VALVE (WEIGHT)		FUNNEL DRAIN TO BILGE WATER TANK		N.C.	PN 16	F	DIN2501	CAST IRON, FLANGED	BR, NON-ASB PACKING	NO	ECONOSTO FIGURE 268ZS OR EQUAL
V520088	BILGE WATER	1	40	SWING CHECK VALVE		AMR BILGE SUCTION (SB)			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BONNET	BRONZE SEAT & DISC, CAST IRON HINGE ARM, BRASS HINGE PIN, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL
V520089	BILGE WATER	1	40	MUD BOX		AMR BILGE SUCTION (SB)			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BOLTED BONNET, ANGLE PATTERN	SST BASKET STRAINER WITH 8 mm PERFORATIONS, NBR COVER SEAL, STEEL EYEBOLT, BRASS DRAIN PLUG	NO	ECONOSTO FIGURE 1188N OR EQUAL
V520090	BILGE WATER	1	65	MUD BOX		AMR DIRECT BILGE SUCTION			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BOLTED BONNET, ANGLE PATTERN	SST BASKET STRAINER WITH 8 mm PERFORATIONS, NBR COVER SEAL, STEEL EYEBOLT, BRASS DRAIN PLUG	NO	ECONOSTO FIGURE 1188N OR EQUAL
V520091	BILGE WATER	1	65	MUD BOX		MMR DIRECT BILGE SUCTION			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BOLTED BONNET, ANGLE PATTERN	SST BASKET STRAINER WITH 8 mm PERFORATIONS, NBR COVER SEAL, STEEL EYEBOLT, BRASS DRAIN PLUG	NO	ECONOSTO FIGURE 1187N OR EQUAL
V520092	BILGE WATER	1	40	MUD BOX		MMR BILGE SUCTION (SB)			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BOLTED BONNET, ANGLE PATTERN	SST BASKET STRAINER WITH 8 mm PERFORATIONS, NBR COVER SEAL, STEEL EYEBOLT, BRASS DRAIN PLUG	NO	ECONOSTO FIGURE 1187N OR EQUAL
V520093	BILGE WATER	1	40	MUD BOX		MMR BILGE SUCTION (PS)			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BOLTED BONNET, ANGLE PATTERN	SST BASKET STRAINER WITH 8 mm PERFORATIONS, NBR COVER SEAL, STEEL EYEBOLT, BRASS DRAIN PLUG	NO	ECONOSTO FIGURE 1188N OR EQUAL
V520094	BILGE WATER	1	40	SWING CHECK VALVE		MMR BILGE SUCTION (SB)			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BONNET	BRONZE SEAT & DISC, CAST IRON HINGE ARM, BRASS HINGE PIN, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL
V520095	BILGE WATER	1	40	SWING CHECK VALVE		MMR BILGE SUCTION (PS)			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BONNET	BRONZE SEAT & DISC, CAST IRON HINGE ARM, BRASS HINGE PIN, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL
V520096	BILGE WATER	1	65	MUD BOX		BILGE SUCTIONS FWD FR36.5			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BOLTED BONNET, STRAIGHT PATTERN	SST BASKET STRAINER WITH 8 mm PERFORATIONS, NBR COVER SEAL, STEEL EYEBOLT, BRASS DRAIN PLUG	NO	ECONOSTO FIGURE 1187N OR EQUAL
V520097	BILGE WATER	1	20	GLOBE VALVE SDNR		MANUAL BILGE PUMP DISCH			PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263LK OR EQUAL
V520098	BILGE WATER	1	20	GLOBE VALVE SDNR		WANDERING BILGE SUCTION - MMR		N.C.	PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263LK OR EQUAL
V520099	BILGE WATER	1	20	GLOBE VALVE SDNR		WANDERING BILGE SUCTION - AMR		N.C.	PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263LK OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V520100	BILGE WATER	1	65	CHECK VALVE		BOW THRUSTER COMPARTMENT BILGE SUCTION			PN 10	F	DIN2501	FLANGED / CAST IRON BODY & BONNET	BRONZE SEAT & DISC, CAST IRON HINGE ARM, BRASS HINGE PIN, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL
V520101	BILGE WATER	1	65	GLOBE VALVE - ANG (SDNR)		FORE PEAK BILGE SUCTION		SDNR	PN 16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	ECONOSTO FIGURE 264LK OR EQUAL WITH LOCAL CONTROL FROM ABOVE MAIN DECK CL II LR
V520102	BILGE WATER	1	40	MUD BOX		AMR BILGE SUCTION (PS)			PN 10			FLANGED / CAST IRON BODY & BOLTED BONNET, STRAIGHT PATTERN	SST BASKET STRAINER WITH 8 mm PERFORATIONS, NBR COVER SEAL, STEEL EYEBOLT, BRASS DRAIN PLUG	NO	ECONOSTO FIGURE 1187N OR EQUAL
V520103	BILGE WATER	1	40	SWING CHECK VALVE		AMR BILGE SUCTION (PS)			PN 10	F		FLANGED / CAST IRON BODY & BONNET	BRONZE SEAT & DISC, CAST IRON HINGE ARM, BRASS HINGE PIN, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL
V520104	BILGE WATER	1	40	ELECTRICAL REMOTE BUTTERFLY VALVE		AMR BILGE SUCTION (PS)		N.C.	PN 16	WL	DIN2501	DUCTILE IRON - GGG 40.3	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62
V520105	BILGE WATER	1	50	ELECTRICAL REMOTE BUTTERFLY VALVE		VOID SPACE FR 25-26 SUCTION		N.C.	PN 10	WL	DIN2501	DUCTILE IRON - GGG 40.4	316L STEM, AL-BRZ DISC, NBR SEAT	NO	ORDERED IN DOC NO. 6094-82130-62
V520107	BILGE WATER	1	50	BILGE SUCTION STRAINER		VOID SPACE FR 25-26 SUCTION			N/A	F		GALVANIZED STEEL, 8 mm PERFORATION, 10 X OPEN AREA	N/A	NO	ECONOSTO FIGURE 1190 OR EQUAL
V520111	BILGE WATER	1	65	GLOBE VALVE SDNR		AMR DIRECT BILGE SUCTION			PN16	F	DIN2501	FLANGED / BRONZE, BOLTED BONNET, OS&Y	BRZ BONNET, DISC & GLAND, BRASS STEM, SST STUD BOLTS & NUTS, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 1270LK OR EQUAL
V520112	BILGE WATER	1	65	GLOBE VALVE SDNR		MMR DIRECT BILGE SUCTION			PN16	F	DIN2501	FLANGED / BRONZE, BOLTED BONNET, OS&Y	BRZ BONNET, DISC & GLAND, BRASS STEM, SST STUD BOLTS & NUTS, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 1270LK OR EQUAL
V520113	BILGE WATER	1	65	GLOBE VALVE SDNR		BILGE PUMP #1 - SUCTION			PN16	F	DIN2501	FLANGED / BRONZE, BOLTED BONNET, OS&Y	BRZ BONNET, DISC & GLAND, BRASS STEM, SST STUD BOLTS & NUTS, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 1270LK OR EQUAL
V520114	BILGE WATER	1	65	GLOBE VALVE SDNR		BILGE PUMP #2 - SUCTION			PN16	F	DIN2501	FLANGED / BRONZE, BOLTED BONNET, OS&Y	BRZ BONNET, DISC & GLAND, BRASS STEM, SST STUD BOLTS & NUTS, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	DIKKAN FIGURE 59.559SD OR EQUAL
V520115	BILGE WATER	1	65	GLOBE VALVE - ANG (SDNR)		MMR EMERGENCY BILGE SUCTION			PN16	F	DIN2501	FLANGED / BRONZE, BOLTED BONNET, OS&Y	BRZ BONNET, DISC & GLAND, BRASS STEM, SST STUD BOLTS & NUTS, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 1271LK OR EQUAL
V520116	BILGE WATER	1	50	SWING CHECK VALVE		AFT PEAK BILGE SUCTION			PN10	F	DIN2501	FLANGED / CAST IRON BODY & BONNET	BRONZE SEAT & DISC, CAST IRON HINGE ARM, BRASS HINGE PIN, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL
V520117	BILGE WATER	1	50	SWING CHECK VALVE		VOID SPACE FR 17- FR 18 SUCTION			PN10	F	DIN2501	FLANGED / CAST IRON BODY & BONNET	BRONZE SEAT & DISC, CAST IRON HINGE ARM, BRASS HINGE PIN, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL
V520118	BILGE WATER	1	50	SWING CHECK VALVE		VOID SPACE FR 25 - FR 26 SUCTION			PN10	F	DIN2501	FLANGED / CAST IRON BODY & BONNET	BRONZE SEAT & DISC, CAST IRON HINGE ARM, BRASS HINGE PIN, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL
V520119	BILGE WATER	1	40	SWING CHECK VALVE		DRAIN TO VOID SPACE FR 17- FR 18 FROM SPACE BELOW MCR			PN16	Wf		ZN-FREE BRONZE BODY	AL-BZ DISC / NBR DISC RING AND FLANGE SEAL	NO	ECONOSTO FIGURE 69 OR EQUAL
V520120	BILGE WATER	1	40	SWING CHECK VALVE		DRAIN TO VOID SPACE FR 17- FR 18 FROM SPACE BELOW LAUNDRY ROOM			PN16	Wf		ZN-FREE BRONZE BODY	AL-BZ DISC / NBR DISC RING AND FLANGE SEAL	NO	ECONOSTO FIGURE 69 OR EQUAL

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Wheel.

AF6094-52600-01 SCUPPERS AND DRAINS

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V526011	SCUPPER AND DRAINS	1	50	DECK SCUPPER		ON BRIDGE DECK, AT FR.11 - FR.12 IN PS.						ALUMINIUM ALLOY	ALUMINIUM ALLOY	NO	SCUPPER WAGER 134HWA SERIES (ANGLED HEAVYWALL)
V526012	SCUPPER AND DRAINS	1	50	DECK SCUPPER		ON BRIDGE DECK, AT FR.11 - FR.12 IN SB.						ALUMINIUM ALLOY	ALUMINIUM ALLOY	NO	SCUPPER WAGER 134 SERIES (STANDARD)
V526013	SCUPPER AND DRAINS	1	50	DECK SCUPPER		ON BRIDGE DECK, AT FR.16 - FR.17 IN PS.						ALUMINIUM ALLOY	ALUMINIUM ALLOY	NO	SCUPPER WAGER 134HWA SERIES (ANGLED HEAVYWALL)
V526014	SCUPPER AND DRAINS	1	50	DECK SCUPPER		ON BRIDGE DECK, AT FR.16 - FR.17 IN SB.						ALUMINIUM ALLOY	ALUMINIUM ALLOY	NO	SCUPPER WAGER 134HWA SERIES (ANGLED HEAVYWALL)
V526015	SCUPPER AND DRAINS	1	50	DECK SCUPPER		ON BRIDGE DECK, AT FR.23 - FR.24 IN PS.						ALUMINIUM ALLOY	ALUMINIUM ALLOY	NO	SCUPPER WAGER 134HWA SERIES (ANGLED HEAVYWALL)
V526016	SCUPPER AND DRAINS	1	50	DECK SCUPPER		ON BRIDGE DECK, AT FR.23 - FR.24 IN SB.						ALUMINIUM ALLOY	ALUMINIUM ALLOY	NO	SCUPPER WAGER 134HWA SERIES (ANGLED HEAVYWALL)
V526017	SCUPPER AND DRAINS	1	50	DECK SCUPPER		ON BRIDGE DECK, AT FR.29 - FR.30 IN PS.						ALUMINIUM ALLOY	ALUMINIUM ALLOY	NO	SCUPPER WAGER 134HWA SERIES (ANGLED HEAVYWALL)
V526018	SCUPPER AND DRAINS	1	50	DECK SCUPPER		ON BRIDGE DECK, AT FR.29 - FR.30 IN SB.						ALUMINIUM ALLOY	ALUMINIUM ALLOY	NO	SCUPPER WAGER 134HWA SERIES (ANGLED HEAVYWALL)
V526019	SCUPPER AND DRAINS	1	50	DECK SCUPPER		ON TOP OF BRIDGE DECK, AT FR.14 - FR.15 IN PS.						N/A	N/A	NO	FABRICATED SCUPPER
V526020	SCUPPER AND DRAINS	1	50	DECK SCUPPER		ON TOP OF BRIDGE DECK, AT FR.14 - FR.15 IN SB.						N/A	N/A	NO	FABRICATED SCUPPER
V526021	SCUPPER AND DRAINS	1	50	DECK SCUPPER		DECK SCUPPER - EMERGENCY GENERATOR ROOM						GALVANIZED ST./BUTT WELDED	BR STRAINER WITH TRAP, SS FASTENERS	NO	WAGER TYPE 134HW
V526022	SCUPPER AND DRAINS	1	50	SELF CLOSING VALVE		DECK SCUPPER - EMERGENCY GENERATOR ROOM			PN16	F		CAST IRON, FLANGED	BRONZE DISC, NON ASBETOS PACKING	NO	DIKKAN FIGURE 14.147; CLASS III
V526023	SCUPPER AND DRAINS	1	50	STORM - STR		FUEL OIL SPILL CONTROL LOCKER OVERBOARD DISCHARGE			PN16	F		CAST STEEL BODY & COVER, FLANGED, STRAIGHT	BRONZE DISC & GLAND / BRASS STEM / RUBBER DISC SEAL / CI HND / NON-ASB PACKING	YES	DIKKAN FIGURE 33.25CD CLASS II
V526024	SCUPPER AND DRAINS	1	50	DECK SCUPPER		DECK SCUPPER - HVAC ROOM						GALVANIZED ST./BUTT WELDED	BR STRAINER WITH TRAP, SS FASTENERS	NO	FABRICATED SCUPPER
V526029	SCUPPER AND DRAINS	1	50	STORM - STR		HVAC ROOM / DECK EQUIPMENT LOCKER OVERBOARD DISCHARGE			PN16	F		CAST STEEL BODY & COVER, FLANGED, STRAIGHT	BRONZE DISC & GLAND / BRASS STEM / RUBBER DISC SEAL / CI HND / NON-ASB PACKING	YES	DIKKAN FIGURE 33.25CD CLASS II
V526030	SCUPPER AND DRAINS	1	50	DECK SCUPPER		DECK SCUPPER - WET GEAR ROOM						GALVANIZED ST./BUTT WELDED	BR STRAINER WITH TRAP, SS FASTENERS	NO	FABRICATED SCUPPER
V526031	SCUPPER AND DRAINS	1	50	STORM - STR		WET GEAR ROOM OVERBOARD DISCH			PN16	F		CAST STEEL BODY & COVER, FLANGED, STRAIGHT	BRONZE DISC & GLAND / BRASS STEM / RUBBER DISC SEAL / CI HND / NON-ASB PACKING	YES	DIKKAN FIGURE 33.25CD CLASS II CONTROL FROM ABOVE MAINDECK
V526032	SCUPPER AND DRAINS	1	50	DECK SCUPPER		DECK SCUPPER - FUEL OIL SPILL CONTROL LOCKER						N/A	N/A	NO	FABRICATED SCUPPER
V526033	SCUPPER AND DRAINS	1	50	DECK SCUPPER		DECK SCUPPER - DECK EQUIPMENT LOCKER						N/A	N/A	NO	FABRICATED SCUPPER
V526034	SCUPPER AND DRAINS	1	25 (1")	BALL VALVE		AMMO. LOCKER DRAIN (PS)			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKELED-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL
V526035	SCUPPER AND DRAINS	1	25 (1")	BALL VALVE		AMMO. LOCKER DRAIN (SB)			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKELED-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Weel.

AF6094-53000-02 SANITARY FRESH WATER SYSTEM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V530001	BRINE	1	25	SDNR GLOBE VALVE ANG TYPE		RO UNITS BRINE OVERBOARD DISCH		SDNR	PN 10	F	DIN2501	FLANGED / DUCTILE IRON - GGG40.3, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	ECONOSTO FIGURE 264LK OR EQUAL
V530004	FRESH WATER	1	20 (3/4")	BALL VALVE		RO PLANT # 1 FRESH WATER DISCHARGE			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V530005	FRESH WATER	1	20 (3/4")	BALL VALVE		RO PLANT # 2 FRESH WATER DISCHARGE			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V530008	FRESH WATER	1	32 (1 1/4")	SDNR GLOBE VALVE STRAIGHT TYPE		BRIDGE WINDOW WASH SUPPLY		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL
V530009	FRESH WATER	1	15 (1/2")	BALL VALVE		FRESH WATER TANK 12 SAMPLING			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V530010	FRESH WATER	1	15 (1/2")	BALL VALVE		FRESH WATER TANK 11 SAMPLING			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V530011	FRESH WATER	1	15 (1/2")	BALL VALVE WITH DRAIN PLUG		FRESH WATER TANK 12 DRAIN			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V530012	FRESH WATER	1	15 (1/2")	BALL VALVE WITH DRAIN PLUG		FRESH WATER TANK 11 DRAIN			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V530013	FRESH WATER	1	32 (1 1/4")	SDNR GLOBE VALVE STRAIGHT TYPE		FRESH WATER TANK 12 SUCTION		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL
V530014	FRESH WATER	1	32 (1 1/4")	SDNR GLOBE VALVE STRAIGHT TYPE		FRESH WATER TANK 11 SUCTION		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL
V530015	FRESH WATER	1	32 (1 1/4")	GLOBE VALVE		UV FILTER ISOLATION VALVE			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530016	FRESH WATER	1	32 (1 1/4")	GLOBE VALVE		UV FILTER BY-PASS		N.C.	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530017	FRESH WATER	1	32 (1 1/4")	GLOBE VALVE		UV FILTER ISOLATION VALVE			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530018	FRESH WATER	1	20 (3/4")	SDNR GLOBE VALVE STRAIGHT TYPE		WATER HEATER INLET		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL
V530022	FRESH WATER	1	15 (1/2")	SDNR GLOBE VALVE STRAIGHT TYPE		HOT WATER CIRCULATION PUMP DISCH		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL
V530023	FRESH WATER	1	15 (1/2")	GLOBE VALVE		HOT WATER CIRCULATION PUMP BY- PASS		N.C.	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530024	FRESH WATER	1	15 (1/2")	GLOBE VALVE		HOT WATER CIRCULATION PUMP SUCTION			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530026	FRESH WATER	1	32 (1 1/4")	SDNR GLOBE VALVE STRAIGHT TYPE		FRESH WATER TANK 11 FILLING LINE FROM DECK CONNECTION		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL
V530027	FRESH WATER	1	20 (3/4")	SDNR GLOBE VALVE STRAIGHT TYPE		FRESH WATER TANK 11 FILLING LINE FROM RO PLANTS		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V530028	FRESH WATER	1	32 (1 1/4")	SDNR GLOBE VALVE STRAIGHT TYPE		FRESH WATER TANK 12 FILLING LINE FROM DECK CONNECTION		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL
V530029	FRESH WATER	1	20 (3/4")	SDNR GLOBE VALVE STRAIGHT TYPE		FRESH WATER TANK 12 FILLING LINE FROM RO PLANTS		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL
V530030	FRESH WATER	1	15 (1/2")	BALL VALVE		CHIEF ENG'S CABIN WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530031	FRESH WATER	1	15 (1/2")	BALL VALVE		CHIEF ENG'S CABIN WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530032	FRESH WATER	1	15 (1/2")	BALL VALVE		CAPTAIN'S CABIN WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530033	FRESH WATER	1	15 (1/2")	BALL VALVE		CAPTAIN'S CABIN WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530034	FRESH WATER	1	15 (1/2")	BALL VALVE		PROGRAMMING OFFICER'S / INCIDENT COMMANDER'S CABIN WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530035	FRESH WATER	1	15 (1/2")	BALL VALVE		PROGRAMMING OFFICER'S / INCIDENT COMMANDER'S CABIN WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530036	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM MAIN DK (FWD) SHOWER COLD WATER SUPPLY			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKEL-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL
V530037	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM MAIN DK (FWD) SHOWER HOT WATER SUPPLY			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKEL-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL
V530038	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM MAIN DK (FWD) WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530039	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM MAIN DK (FWD) WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530040	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM MAIN DK (FWD) TOILET COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530043	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM BELOW MAIN DK (SB) TOILET COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530044	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM BELOW MAIN DK (PS) TOILET COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530045	FRESH WATER	1	15 (1/2")	BALL VALVE		CABIN 2P. WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530046	FRESH WATER	1	15 (1/2")	BALL VALVE		CABIN 2P. WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530047	FRESH WATER	1	15 (1/2")	BALL VALVE		CABIN 2P. WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530048	FRESH WATER	1	15 (1/2")	BALL VALVE		CABIN 2P. WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530049	FRESH WATER	1	15 (1/2")	BALL VALVE		CABIN 2P. WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530050	FRESH WATER	1	15 (1/2")	BALL VALVE		CABIN 2P. WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530051	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM BELOW MAIN DK (SB) SHOWER COLD WATER SUPPLY			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKEL-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL
V530052	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM BELOW MAIN DK (SB) SHOWER HOT WATER SUPPLY			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKEL-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL
V530053	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM BELOW MAIN DK (PS) SHOWER COLD WATER SUPPLY			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKEL-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL
V530054	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM BELOW MAIN DK (PS) SHOWER HOT WATER SUPPLY			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKEL-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V530055	FRESH WATER	1	15 (1/2")	BALL VALVE		CABIN 2P. WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530056	FRESH WATER	1	15 (1/2")	BALL VALVE		CABIN 2P. WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530057	FRESH WATER	1	15 (1/2")	BALL VALVE		CABIN 2P. WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530058	FRESH WATER	1	15 (1/2")	BALL VALVE		CABIN 2P. WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530059	FRESH WATER	1	15 (1/2")	BALL VALVE		2ND ENGINEER'S CABIN WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530060	FRESH WATER	1	15 (1/2")	BALL VALVE		2ND ENGINEER'S CABIN WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530061	FRESH WATER	1	15 (1/2")	BALL VALVE		LAUNDRY ROOM WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530062	FRESH WATER	1	15 (1/2")	BALL VALVE		LAUNDRY ROOM WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530063	FRESH WATER	1	15 (1/2")	SEDIMENT FAUCET		LAUNDRY ROOM WASHER COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530064	FRESH WATER	1	15 (1/2")	SEDIMENT FAUCET		LAUNDRY ROOM WASHER COLD WATER SUPPLY			PN 25	NPT		1/2 MNPT X HOSE BRASS	BRASS	NO	SEDIMENT FAUCET
V530065	FRESH WATER	1	15 (1/2")	SEDIMENT FAUCET		LAUNDRY ROOM WASHER COLD WATER SUPPLY			PN 25	NPT		1/2 MNPT X HOSE BRASS	BRASS	NO	SEDIMENT FAUCET
V530066	FRESH WATER	1	15 (1/2")	BALL VALVE		GALLEY SINK COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530067	FRESH WATER	1	15 (1/2")	BALL VALVE		GALLEY SINK HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530068	FRESH WATER	1	15 (1/2")	BALL VALVE		GALLEY WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530069	FRESH WATER	1	15 (1/2")	SEDIMENT FAUCET		LAUNDRY ROOM WASHER COLD WATER SUPPLY			PN 25	NPT		1/2 MNPT X HOSE BRASS	BRASS	NO	SEDIMENT FAUCET
V530083	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM MAIN DK (AFT) WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530084	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM MAIN DK (AFT) WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530085	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM MAIN DK (AFT) TOILET COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530086	FRESH WATER	1	20 (3/4")	GLOBE VALVE		COLD WATER MAIN-LINE ISOLATION VALVE IN MMR			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530087	FRESH WATER	1	15 (1/2")	GLOBE VALVE		WET GEAR STORE ROOM SUPPLY			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530088	FRESH WATER	1	15 (1/2")	GLOBE VALVE		WET GEAR STORE ROOM SERVICE CONNECTION			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530092	FRESH WATER	1	15 (1/2")	GLOBE VALVE		BLACK WATER AND SANITARY FLUSHING SYSTEM SUPPLY			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530096	FRESH WATER	1	15 (1/2")	GLOBE VALVE		TRASH COMPACTOR ROOM SUPPLY			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530103	FRESH WATER	1	32	FILLING CONNECTION		SHORE CONN. 450 MM ABOVE MAIN DECK			PN 16	F	DIN2501	STAINLESS STEEL		NO	SHIPYARD FABRICATION
V530105	FRESH WATER	1	15 (1/2")	BALL VALVE		HUMIDIFIER SUPPLY - HVAC ROOM			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V530107	FRESH WATER	1		FAUCET		CHIEF ENGINEER'S CABIN WASHBASIN									ORDERED IN DOC. 6094-82130-27
V530108	FRESH WATER	1		FAUCET		CAPTAIN'S CABIN WASHBASIN									ORDERED IN DOC. 6094-82130-27
V530109	FRESH WATER	1		FAUCET		PROGRAM OFFICER / INCIDENT COMMANDER'S CABIN									ORDERED IN DOC. 6094-82130-27
V530111	FRESH WATER	1		FAUCET		MAIN DECK WASHROOM WASHBASIN									ORDERED IN DOC. 6094-82130-27
V530113	FRESH WATER	1		FAUCET		CABIN 2 P. BELOW MAIN DECK (PS)									ORDERED IN DOC. 6094-82130-27
V530114	FRESH WATER	1		FAUCET		CABIN 2 P. BELOW MAIN DECK (PS)									ORDERED IN DOC. 6094-82130-27
V530115	FRESH WATER	1		FAUCET		CABIN 2 P. BELOW MAIN DECK (PS)									ORDERED IN DOC. 6094-82130-27
V530118	FRESH WATER	1		FAUCET		CABIN 2 P. BELOW MAIN DECK (SB)									ORDERED IN DOC. 6094-82130-27
V530119	FRESH WATER	1		FAUCET		CABIN 2 P. BELOW MAIN DECK (SB)									ORDERED IN DOC. 6094-82130-27
V530120	FRESH WATER	1		FAUCET		CABIN 2 P. / 2ND ENGINEER'S CABIN									ORDERED IN DOC. 6094-82130-27
V530121	FRESH WATER	1		FAUCET		LAUNDRY WASHBASIN									ORDERED IN DOC. 6094-82130-27
V530122	FRESH WATER	1		FAUCET		GALLEY WASHBASIN									ORDERED IN DOC. 6094-82130-27
V530123	FRESH WATER	1		FAUCET		MAIN DECK WASHROOM WASHBASIN									ORDERED IN DOC. 6094-82130-27
V530126	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM BELOW MAIN DK (SB) WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530127	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM BELOW MAIN DK (SB) WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530128	FRESH WATER			FAUCET		GALLEY SINK									ORDERED IN DOC. 6094-82130-27
V530129	FRESH WATER	1	15 (1/2")	SEDIMENT FAUCET		LAUNDRY ROOM WASHER COLD WATER SUPPLY			PN 25	NPT		1/2 MNPT X HOSE BRASS	BRASS	NO	SEDIMENT FAUCET
V530130	FRESH WATER	1	15 (1/2")	SEDIMENT FAUCET		LAUNDRY ROOM WASHER COLD WATER SUPPLY			PN 25	NPT		1/2 MNPT X HOSE BRASS	BRASS	NO	SEDIMENT FAUCET
V530131	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM BELOW MAIN DK (PS) WASHBASIN COLD WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530132	FRESH WATER	1	15 (1/2")	BALL VALVE		WASHROOM BELOW MAIN DK (PS) WASHBASIN HOT WATER SUPPLY			PN 25	BSP		1/2 BSP MALE x 15 COMPRESSION, BRASS BODY, CHROME PLATED, FULL BORE	HIGH POLISHED BALL, EPDM O-RING	NO	BALLOFIX OR EQUAL
V530133	FRESH WATER	1		FAUCET		WASHROOM WAHBASIN - BELOW MAIN DECK (PS)									ORDERED IN DOC. 6094-82130-27
V530134	FRESH WATER	1		FAUCET		WASHROOM WAHBASIN - BELOW MAIN DECK (SB)									ORDERED IN DOC. 6094-82130-27
V530135	FRESH WATER	1	15 (1/2")	SEDIMENT FAUCET		LAUNDRY ROOM WASHER COLD WATER SUPPLY			PN 25	NPT		1/2 MNPT X HOSE BRASS	BRASS	NO	SEDIMENT FAUCET
V530137	SEA WATER	1	25	GLOBE VALVE		RO UNIT #2 SUPPLY			PN 10	F	DIN2501	FLANGED, CAST STEEL BODY, FORGED STEEL BOLTED BONNET	BRZ DISC & SEAT, BRASS STEM, STEEL YOLK BUSH, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	ECONOSTO FIGURE 398 OR EQUAL
V530142	FRESH WATER	1	15 (1/2")	GLOBE VALVE WITH ELECTRIC ACTUATOR		PURGE AIR SUPPLY - WINDOW WASHING FLUSHING			150PSI	NPT		BRASS BODY	BUNA N SEALS, ST. STEEL SPRINGS, CORE TUBE AND PLUGNUT, COPPER SHADING COIL	NO	ASCO 8210G94 ORDERED IN DOC. 6094-82130-69
V530143	FRESH WATER	1	32 (1 1/4")	GLOBE VALVE WITH ELECTRIC ACTUATOR		WINDOW WASHING SUPPLY			PN 10	BSP		BR BODY AND BONNET	BRASS STEM, BR DISC	NO	ORDERED IN DOC. 6094-82130-69
V530144	FRESH WATER	1	15 (1/2")	BACKFLOW PREVENTER		BLACK WATER AND SANITARY FLUSHING SYSTEM SUPPLY			12.06 bar	NPT		NPT THREAD, LEAD FREE BRONZE ALLOY BODY	CHLORAMINE RESISTANT ELASTOMERS, TOP ENTRY CHECK VALVE DESIGN	NO	WATTS MODEL LF719-QT OR EQUAL
V530146	FRESH WATER	1	15 (1/2")	BALL VALVE		RO UNITS FRESH WATER DISCH			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V530147	FRESH WATER	1	25 (1/2")	LOCKABLE CAP THRD SST		FRESH WATER TANK 11 TREATMENT CONNECTION									YARD FABRICATION
V530148	FRESH WATER	1	25 (1/2")	LOCKABLE CAP THRD SST		FRESH WATER TANK 12 TREATMENT CONNECTION									YARD FABRICATION
V530149	FRESH WATER	1	25 (1")	CHECK VALVE		RO UNIT #1 - BRINE DISCH			PN 16	BSP		BSP THREAD, BRONZE BODY	BRASS DISC & BONNET, ASB -FREE GASKET, METAL TO METAL SEAT	NO	ECONOSTO FIGURE 505BR OR EQUAL
V530150	FRESH WATER	1	25 (1")	CHECK VALVE		RO UNIT #2 - BRINE DISCH			PN 16	BSP		BSP THREAD, BRONZE BODY	BRASS DISC & BONNET, ASB -FREE GASKET, METAL TO METAL SEAT	NO	ECONOSTO FIGURE 505BR OR EQUAL
V530159	FRESH WATER	1	32 (1 1/4")	GLOBE VALVE		FRESH WATER FILTER INLET			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V530160	FRESH WATER	1	32 (1 1/4")	GLOBE VALVE		FRESH WATER FILTER OUTLET			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530161	FRESH WATER	1	32 (1 1/4")	GLOBE VALVE		FRESH WATER FILTER BY-PASS		N.C.	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530164	SEA WATER	1	25	GLOBE VALVE		RO UNIT #1 SUPPLY			PN 10	F	DIN2501	FLANGED, CAST STEEL BODY, FORGED STEEL BOLTED BONNET	BRZ DISC & SEAT, BRASS STEM, STEEL YOLK BUSH, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	ECONOSTO FIGURE 398 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V530171	FRESH WATER	1	15 (1/2")	BACKFLOW PREVENTER		LAUNDRY WASHERS SUPPLY			12.06 bar	NPT		NPT THREAD, LEAD FREE BRONZE ALLOY BODY	CHLORAMINE RESISTANT ELASTOMERS, TOP ENTRY CHECK VALVE DESIGN	NO	WATTS MODEL LF719-QT OR EQUAL
V530172	FRESH WATER	1	15 (1/2")	BACKFLOW PREVENTER		WASHROOM MAIN DK (AFT) TOILET COLD WATER SUPPLY			12.06 bar	NPT		NPT THREAD, LEAD FREE BRONZE ALLOY BODY	CHLORAMINE RESISTANT ELASTOMERS, TOP ENTRY CHECK VALVE DESIGN	NO	WATTS MODEL LF719-QT OR EQUAL
V530173	FRESH WATER	1	15 (1/2")	BACKFLOW PREVENTER		WASHROOM MAIN DK (FWD) TOILET COLD WATER SUPPLY			12.06 bar	NPT		NPT THREAD, LEAD FREE BRONZE ALLOY BODY	CHLORAMINE RESISTANT ELASTOMERS, TOP ENTRY CHECK VALVE DESIGN	NO	WATTS MODEL LF719-QT OR EQUAL
V530174	FRESH WATER	1	15 (1/2")	BACKFLOW PREVENTER		WASHROOM BELOW MAIN DK (SB) TOILET COLD WATER SUPPLY			12.06 bar	NPT		NPT THREAD, LEAD FREE BRONZE ALLOY BODY	CHLORAMINE RESISTANT ELASTOMERS, TOP ENTRY CHECK VALVE DESIGN	NO	WATTS MODEL LF719-QT OR EQUAL
V530175	FRESH WATER	1	15 (1/2")	BACKFLOW PREVENTER		WASHROOM BELOW MAIN DK (PS) TOILET COLD WATER SUPPLY			12.06 bar	NPT		NPT THREAD, LEAD FREE BRONZE ALLOY BODY	CHLORAMINE RESISTANT ELASTOMERS, TOP ENTRY CHECK VALVE DESIGN	NO	WATTS MODEL LF719-QT OR EQUAL
V530177	FRESH WATER	1	15 (1/2")	BALL VALVE		WATER HEATER DRAIN			PN 25			BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER		ORDERED IN DOC. 6094-82130-22
V530190	FRESH WATER	1	32 (1 1/4")	GLOBE VALVE		FRESH WATER PUMP #2 SUCTION			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530191	FRESH WATER	1	40 (1 1/2")	SDNR GLOBE VALVE STRAIGHT TYPE		FRESH WATER PUMP #2 DISCH		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V530192	FRESH WATER	1	32 (1 1/4")	GLOBE VALVE		FRESH WATER PUMP #1 SUCTION			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530193	FRESH WATER	1	40 (1 1/2")	SDNR GLOBE VALVE STRAIGHT TYPE		FRESH WATER PUMP #1 DISCH		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL
V530195	FRESH WATER	1	20 (3/4")	GLOBE VALVE		WATER HEATER INLET			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530196	FRESH WATER	1	20 (3/4")	GLOBE VALVE		WATER HEATER OUTLET			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530197	FRESH WATER	1	20 (3/4")	GLOBE VALVE		INSTANT HEATER COLD WATER SUPPLY			PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251 OR EQUAL
V530198	FRESH WATER	1	20 (3/4")	SDNR GLOBE VALVE STRAIGHT TYPE		INSTANT HEATER HOT WATER DISCH		SDNR	PN 20	BSP		BSP THREAD, BRONZE BODY & BRASS UNION BONNET	BRZ BONNET NUT, BRASS DISC, PTFE DISC RING, BRONZE STEM, NON-ASB BONNET GASKET & GLAND PACKING, ALUM HND WHEEL	NO	ECONOSTO FIGURE 251LK OR EQUAL
V530199	FRESH WATER	1	15 (1/2")	BALL VALVE		LEVEL TRANSMITTER CONNECTION - FRESH WATER TANK 12			PN 25	BSP		BSP THREAD, BRASS BODY	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V530200	FRESH WATER	1	15 (1/2")	BALL VALVE		LEVEL TRANSMITTER CONNECTION - FRESH WATER TANK 11			PN 25	BSP		BSP THREAD, BRASS BODY	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V530201	FRESH WATER	1	15 (1/2")	HOSE BIB		MMR HOT WATER SERVICE CONNECTION				BSP		BRASS	SS HANDLE	NO	MODEL: ITB701
V530202	FRESH WATER	1	15 (1/2")	HOSE BIB		MMR COLD WATER SERVICE CONNECTION				BSP		BRASS	SS HANDLE	NO	MODEL: ITB701
V530203	FRESH WATER	1	25 (1")	SAFETY VALVE		WATER HEATER SAFETY VALVE									SCOPE OF SUPPLY OF HW CALORIFIER
V530204	FRESH WATER	1	15 (1/2")	SAFETY VALVE		WATER HEATER COLD WATER INLET									SCOPE OF SUPPLY OF HW CALORIFIER
V530205	FRESH WATER	1	15 (1/2")	FROST PROOF WALL HYDRANT		TRASH COMPACTOR ROOM SERVICE CONNECTION						BRASS		NO	FHB
V530206	FRESH WATER	1	15 (1/2")	BALL VALVE		GALLEY HOT WATER SUPPLY			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKELED-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL
V530207	FRESH WATER	1	15 (1/2")	BALL VALVE		GALLEY COLD WATER SUPPLY			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKELED-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL
V530208	FRESH WATER	1	15 (1/2")	BALL VALVE		LAUNDRY COLD WATER ISOLATION			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKELED-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL
V530209	FRESH WATER	1	15 (1/2")	BALL VALVE		LAUNDRY HOT WATER ISOLATION			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKELED-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL
	FRESH WATER	1	15 (1/2")	BALL VALVE		REFRIGERATOR ICE MAKER - MESS ROOM			PN 40	NPT		NPT THREAD, BRASS BODY	BRASS NICKELED-PLATED BALL, BRASS STEM, TEFLON SEAT, TEFLON SEAL, LEVER	NO	ECONOSTO FIGURE 1607 NPT OR EQUAL

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Wheel.

AF6094-54100-01 FUEL OIL SYSTEM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V541001	FUEL OIL	1	65	GATE VALVE		FUEL OIL BUNKERING			PN10	F	DIN2501	FLANGED CAST IRON BODY & BONNET / OS&Y	SST SEATS, CAST STEEL WEDGE, SST WEDGE SEATS, SST STEM, PTFE PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 2406 OR EQUAL
V541002	FUEL OIL	1	65	GLOBE VALVE - STR		FUEL OIL BUNKERING FILTER INLET			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541003	FUEL OIL	1	65	GLOBE VALVE - STR		FUEL OIL BUNKERING FILTER BY-PASS			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541004	FUEL OIL	1	65	GLOBE VALVE - STR		FUEL OIL BUNKERING FILTER OUTLET			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541005	FUEL OIL	1	65	GLOBE VALVE - STR		FO STORAGE TK 1 BUNKERING			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541006	FUEL OIL	1	65	GLOBE VALVE - STR		FO SERVICE TK 3 BUNKERING			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541007	FUEL OIL	1	65	GLOBE VALVE - STR		FO SERVICE TK 2 BUNKERING			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541008	FUEL OIL	1	65	GLOBE VALVE - STR		FO STORAGE/OVERFLOW TK 9 BUNKERING			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541009	FUEL OIL	1	65	GLOBE VALVE - STR		FO STORAGE/OVERFLOW TK 9 TRANSFER / DISCH			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541010	FUEL OIL	1	65	GLOBE VALVE - STR		FO SERVICE TK 2 TRANSFER / DISCH			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541011	FUEL OIL	1	65	GLOBE VALVE - STR		FO SERVICE TK 3 TRANSFER / DISCH			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541012	FUEL OIL	1	65	GLOBE VALVE - STR		FO STORAGE TK 1 TRANSFER/ DISCH			PN16	F	DIN2501	FLANGED / CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	ECONOSTO FIGURE 263 OR EQUAL
V541014	FUEL OIL	1	20	LEVEL INDICATORS, MAGNETIC		FO DAY TK 8a			PN10	F	DIN2501	SS		YES	ORDERED IN DOC. 6094-82130-73 LENGTH: 1800 MM
V541015	FUEL OIL	1	10 (3/8")	GLOBE VALVE - STR		EDG FUEL OIL SUPPLY			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541016	FUEL OIL	1	10 (3/8")	SWING CHECK VALVE		EDG FUEL OIL RETURN			PN16	BSP		BSP THREAD, BRONZE BODY	BRASS DISC & BONNET, ASB -FREE GASKET, PTFE DISC RING	NO	ECONOSTO FIGURE 505TE OR EQUAL
V541017	FUEL OIL	1	32 (1 1/4")	BALL VALVE 3 WAY L TYPE		FO CONTINUOUS TRANSFER PUMPS SUCTION			1000 PSI WOG	BSP		SS	SS Stem & Ball	YES	ECONOSTO FIGURE 7760L OR EQUAL. FIRE SAFE TYPE.
V541018	FUEL OIL	1	15	QUICK CLOSING VALVE - HYDRAULIC ACTUATOR		EMERGENCY DIESEL GENERATOR FUEL OIL TANK EMERG SHUT-OFF			PN10	F	DIN2501	FLANGED DUCTILE CAST IRON - GGG 40.3, BODY & BONNET	SST DISC, SEAT & STEM, VITON GLAND PACKING, BRASS CYLINDER, SPRING STEEL SPRING, BRASS RETAINER BLOCK, STEEL HND WHEEL	YES	ECONOSTO FIGURE 100/247H OR EQUAL CLASS II
V541019	FUEL OIL	1	20	LEVEL INDICATORS, MAGNETIC		EDG FUEL OIL TANK			PN10	F	DIN2501	SS		YES	ORDERED IN DOC. 6094-82130-73 LENGTH: 400 MM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V541020	FUEL OIL	1	25 (1")	GLOBE VALVE - ANG (SDNR)		FO DAY TANK FILLING		SDNR	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1276LK OR EQUAL
V541024	FUEL OIL	1	32 (1 1/4")	SIGHT GLASS		FO DAY TK 8a OVERFLOW			PN16	BSP		BSP THREAD, BRONZE BODY	BRASS BOLTED COVER, BOROSILICATE GLASS, GRAPHITE GASKETS	NO	ECONOSTO FIGURE 3898 OR EQUAL
V541026	FUEL OIL	1	DN 15	GLOBE - STR		FUEL OIL TANK 9 DRAIN TO WASTE OIL STSTEM			PN 16			BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541027	FUEL OIL	1	32 (1 1/4")	SWING CHECK VALVE		DAY TANK 8a OVERFLOW TO FUEL OIL TANK 2			PN16	BSP		BSP THREAD, BRONZE BODY	BRASS DISC & BONNET, ASB -FREE GASKET, PTFE DISC RING	NO	ECONOSTO FIGURE 505TE OR EQUAL
V541028	FUEL OIL	1	32 (1 1/4")	SWING CHECK VALVE		DAY TANK 8a OVERFLOW TO FUEL OIL TANK 3			PN16	BSP		BSP THREAD, BRONZE BODY	BRASS DISC & BONNET, ASB -FREE GASKET, PTFE DISC RING	NO	ECONOSTO FIGURE 505TE OR EQUAL
V541029	FUEL OIL	1	32	QUICK CLOSING VALVE - HYDRAULIC ACTUATOR		FUEL OIL DAY TANK 8a EMERG SHUT-OFF			PN10	F	DIN2501	FLANGED DUCTILE CAST IRON - GGG 40.3, BODY & BONNET	SST DISC, SEAT & STEM, VITON GLAND PACKING, BRASS CYLINDER, SPRING STEEL SPRING, BRASS RETAINER BLOCK, STEEL HND WHEEL	YES	ECONOSTO FIGURE 100/247HP OR EQUAL CLASS II ORDERED IN DOC NO. 6094-82130-54
V541030	FUEL OIL	1	32	QUICK CLOSING VALVE - HYDRAULIC ACTUATOR		FUEL OIL DAY TANK 8a EMERG SHUT-OFF			PN10	F	DIN2501	FLANGED DUCTILE CAST IRON - GGG 40.3, BODY & BONNET	SST DISC, SEAT & STEM, VITON GLAND PACKING, BRASS CYLINDER, SPRING STEEL SPRING, BRASS RETAINER BLOCK, STEEL HND WHEEL	YES	ECONOSTO FIGURE 100/247HP OR EQUAL CLASS II ORDERED IN DOC NO. 6094-82130-54
V541033	FUEL OIL	1	20 (3/4")	GLOBE VALVE - STR		ME FUEL OIL SUPPLY (PS)		N.O.	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541034	FUEL OIL	1	20 (3/4")	GLOBE VALVE - STR		ME FUEL OIL RETURN (PS)		N.O.	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541035	FUEL OIL	1	20 (3/4")	GLOBE VALVE - STR		ME FUEL OIL SUPPLY (PS)		N.O.	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541036	FUEL OIL	1	20 (3/4")	GLOBE VALVE - STR		ME FUEL OIL RETURN (SB)		N.O.	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541037	FUEL OIL	1	20 (3/4")	SWING CHECK VALVE		ME FUEL OIL RETURN (SB)			PN16	BSP		BSP THREAD, BRONZE BODY	BRASS DISC & BONNET, ASB -FREE GASKET, PTFE DISC RING	NO	ECONOSTO FIGURE 505TE OR EQUAL
V541038	FUEL OIL	1	20 (3/4")	SWING CHECK VALVE		ME FUEL OIL RETURN (PS)			PN16	BSP		BSP THREAD, BRONZE BODY	BRASS DISC & BONNET, ASB -FREE GASKET, PTFE DISC RING	NO	ECONOSTO FIGURE 505TE OR EQUAL
V541040	FUEL OIL	1	10 (3/8")	GLOBE VALVE - STR		DG FUEL OIL SUPPLY (PS)		N.O.	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541041	FUEL OIL	1	10 (3/8")	GLOBE VALVE - STR		DG FUEL OIL SUPPLY (SB)		N.O.	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541042	FUEL OIL	1	10 (3/8")	GLOBE VALVE - STR		DG FUEL OIL RETURN (PS)		N.O.	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541043	FUEL OIL	1	10 (3/8")	GLOBE VALVE - STR		DG FUEL OIL RETURN (SB)		N.O.	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541044	FUEL OIL	1	10 (3/8")	SWING CHECK VALVE		DG FUEL OIL RETURN (SB)			PN16	BSP		BSP THREAD, BRONZE BODY	BRASS DISC & BONNET, ASB -FREE GASKET, PTFE DISC RING	NO	ECONOSTO FIGURE 505TE OR EQUAL
V541045	FUEL OIL	1	10 (3/8")	SWING CHECK VALVE		DG FUEL OIL RETURN (PS)			PN16	BSP		BSP THREAD, BRONZE BODY	BRASS DISC & BONNET, ASB -FREE GASKET, PTFE DISC RING	NO	ECONOSTO FIGURE 505TE OR EQUAL
V541047	DRAIN WATER/ FUEL OIL	1	20 (3/4")	GLOBE VALVE - STR		FUEL OIL BUNKERING SPILL CONTAINMENT DRAIN			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541048	DRAIN WATER/ FUEL OIL	1	15 (1/2")	GLOBE VALVE - STR		FO SERVICE TK 2 DEWATERING			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541049	DRAIN WATER/ FUEL OIL	1	15 (1/2")	GLOBE VALVE - STR		FO SERVICE TK 3 DEWATERING			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541050	FUEL OIL	1	15 (1/2")	GLOBE VALVE - STR		FUEL OIL TANK 1 - DRAIN TO WASTE OIL TANK			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541052	DRAIN WATER/ FUEL OIL	1	15 (1/2")	DRAIN FUNNEL		WASTE OIL TANK DRAIN								NO	ECONOSTO FIGURE 724 OR EQUAL
V541053	FUEL OIL	1	15 (1/2")	GLOBE VALVE - STR		ME FUEL OIL SUPPLY (SB)			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V541054	FUEL OIL	1	15 (1/2")	GLOBE VALVE - STR		ME FUEL OIL SUPPLY (SB)			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541055	FUEL OIL	1	15 (1/2")	GLOBE VALVE - STR		ME FUEL OIL SUPPLY (PS)			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541056	FUEL OIL	1	15 (1/2")	GLOBE VALVE - STR		ME FUEL OIL SUPPLY (PS)			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541057	FUEL OIL	1	32 (1 1/4")	BALL VALVE 3 WAY L TYPE		FO DAY TANKS OVERFLOW			1000 PSI WOG	BSP		SS	SS STEM & BALL	YES	ECONOSTO FIGURE 7760L OR EQUAL FIRE SAFE TYPE.
V541058	FUEL OIL	1	65	FILLING PIECE WITH INTERNATIONAL FLANGE		FUEL OIL BUNKERING			PN10	F				NO	
V541060	FUEL OIL	1	25 (1")	GLOBE VALVE - STR		FUEL OIL BUNKER FILLING SAMPLE			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541061	FUEL OIL	1	ND32 x ND50	SAFETY VALVE		FUEL OIL BUNKERING SAFETY RELIEF			PN16	F		FLANGED CAST IRON / DUCTILE IRON BONNET	SST SEAT DISC & STEM, SPRING STEEL SPRING, SET PRESSURE OF 4.4 BAR	NO	ECONOSTO FIGURE 564 OR EQUAL ORDERED IN DOC NO. 6094-82130-74
V541062	FUEL OIL	1	32 (1 1/4")	GLOBE VALVE - STR		FO CONTINUOUS TRANSFER PUMP SUCTION			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	SST SEAT DISC & STEM, SPRING STEEL SPRING, SET PRESSURE OF 4.4 BAR	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541066	AIR	1	20 (3/4")	GLOBE VALVE - STR		ME FUEL OIL SUPPLY VENT (SB)			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541067	AIR	1	20 (3/4")	GLOBE VALVE - STR		ME FUEL OIL SUPPLY VENT (PS)			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541068	FUEL OIL	1	32 (1 1/4")	GLOBE VALVE - STR		FO TRANSFER PUMP SUCTION			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541069	FUEL OIL	1	32 (1 1/4")	GLOBE VALVE - STR (SDNR)		FO TRANSFER PUMP DISCH		SDNR	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V541072	FUEL OIL	1	10 (3/8")	GLOBE VALVE - STR		EDG FUEL OIL RETURN			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541073	FUEL OIL	1	10 (3/8")	SWING CHECK VALVE		MAIN ENGINES FUEL OIL LEAK-OFF TO TANK 9			PN16	BSP		BSP THREAD, BRONZE BODY	BRASS DISC & BONNET, ASB -FREE GASKET, PTFE DISC RING	NO	ECONOSTO FIGURE 505TE OR EQUAL
V541075	FUEL OIL	1	25 (1")	GLOBE VALVE - STR (SDNR)		COALESCER FILTER OUTLET		SDNR	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V541076	FUEL OIL	1	25 (1")	GLOBE VALVE - ANG (SDNR)		EDG FUEL OIL TANK FILLING		SDNR	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1276LK OR EQUAL
V541077	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 541PI01		SDNR	PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541078	FUEL OIL	1	15	SELF CLOSING VALVE		FO DAY TANK 8a DEWATERING			PN10	F		BRONZE BS 1400 LG2	MANGANESE BRONZE SPINDLE, SS SPRING, BR LEVER AND GLAND, BRASS PLUG	NO	Y&C BUNKERING DRAIN VALVE
V541080	FUEL OIL	1	15	SELF CLOSING VALVE		EDG FO TANK DEWATERING			PN10	F		BRONZE BS 1400 LG2	MANGANESE BRONZE SPINDLE, SS SPRING, BR LEVER AND GLAND, BRASS PLUG	NO	Y&C BUNKERING DRAIN VALVE
V541082	FUEL OIL	1	25 (1")	GLOBE VALVE - STR		FO TRANSFER PUMP DISCH		NC	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541083	FUEL OIL	1	32 (1 1/4")	GLOBE VALVE - STR		FO TRANSFER PUMP SUCTION		NC	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541084															NOT USED
V541085	FUEL OIL	1	25 (1")	GLOBE VALVE - ANG (SDNR)		FO CONTINUOUS TRANSFER PUMP SAFETY RELIEF		SDNR	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1276LK OR EQUAL
V541086	FUEL OIL	1	32 (1 1/4")	GLOBE VALVE - STR		FO WATER SEPARATOR FILTER ISOLATING VALVE			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V541087	FUEL OIL	1	32 (1 1/4")	SIGHT GLASS		EDG FO TANK OVERFLOW			PN16	BSP		BSP THREAD, BRONZE BODY	BRASS BOLTED COVER, BOROSILICATE GLASS, GRAPHITE GASKETS	NO	ECONOSTO FIGURE 3898 OR EQUAL
V541088	FUEL OIL	1	32 (1 1/4")	GLOBE VALVE - STR		FO TRANSFER MANUAL PUMP SUCTION			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V541089	FUEL OIL	1	32 (1 1/4")	GLOBE VALVE - STR (SDNR)		FO TRANSFER MANUAL PUMP DISCH		SDNR	PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V541090	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 541PI02			PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541091	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 541PI03			PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541092	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 541PI04			PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541093	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 541PI05			PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541094	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 541PI06			PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541095	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 541PI07			PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541096	DRAIN WATER/ FUEL OIL	1	15 (1/2")	GLOBE VALVE - STR (SDNR)		DEWATERING FUNNEL ISOLATION			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V541097	FUEL OIL	1	50	TANK VENT / FLAME ARRESTOR		EDG FUEL OIL TANK VENT						SOCKET-WELD STEEL NON-GALVANIZED	SST FLAME SCREEN & PROTECTIVE SCREEN, SPACER RING, RETAINER CAP, WASHERS AND MOUNTING BOLTS	NO	WAGER 1600 SERIES
V541165	FUEL OIL	1	25 (1")	GLOBE VALVE - STR (SDNR)		FUEL OIL CONTINUOUS TRANSFER PUMP DISCH			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V541200	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK					PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541201	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 541PI201			PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541202	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 541PI202			PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541203	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 541PI203			PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
V541204	FUEL OIL	1	20 (3/4")	BALL VALVE		FUEL OIL DAY TANK 8a MAGNETIC LEVEL INDICATOR			PN25	BSP		BRASS BODY	BRASS BALL AND STEM, PTFE SEAT, STEEL LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V541205	FUEL OIL	1	20 (3/4")	BALL VALVE		FUEL OIL DAY TANK 8a MAGNETIC LEVEL INDICATOR			PN25	BSP		BRASS BODY	BRASS BALL AND STEM, PTFE SEAT, STEEL LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V541206	FUEL OIL	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE SWITCH 541PS001			PN25	BSP		BRASS (2 WAY FXF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC NO. 6094-82130-63
E436001	FUEL OIL	1	1/8"	IMPULSE UNIT		DAY TANK 8a EMERG SHUT-OFF - REMOTE OPERATION - ME SUPPLY				BSP		AL BODY & COVER	AL BASE PLATE & LEVER, BRASS CYLINDER & FILTER/ BLEED CAP, SS PISTON & CYLINDER BOTTOM, NBR SEAL RING & O-RING, PMMA SIGNT GLASS		ECONOSTO FIGURE 106 OR EQUAL
E436002	FUEL OIL	1	1/8"	IMPULSE UNIT		DAY TANK 8a EMERG SHUT-OFF - REMOTE OPERATION - DG SUPPLY				BSP		AL BODY & COVER	AL BASE PLATE & LEVER, BRASS CYLINDER & FILTER/ BLEED CAP, SS PISTON & CYLINDER BOTTOM, NBR SEAL RING & O-RING, PMMA SIGNT GLASS		ECONOSTO FIGURE 106 OR EQUAL
E436003	FUEL OIL	1	1/8"	IMPULSE UNIT		EDG FUEL OIL TANK EMERG SHUT-OFF REMOTE OPERATION - EDG SUPPLY				BSP		AL BODY & COVER	AL BASE PLATE & LEVER, BRASS CYLINDER & FILTER/ BLEED CAP, SS PISTON & CYLINDER BOTTOM, NBR SEAL RING & O-RING, PMMA SIGNT GLASS		ECONOSTO FIGURE 106 OR EQUAL

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Weel, SW=Socket Weld

AF6094-54900-01 RHIB GASOLINE SYSTEM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V549201	RHIB GASOLINE	1	25	BALL VALVE		GASOLINE TANK 14 SUCTION ISOLATION			1000 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL / REGULAR PORT	316 L BALL & STEM, BUNA N SEAT, FIRE SAFE	YES	TRIAC SERIES F8R
V549202	RHIB GASOLINE	1	25	BALL VALVE		GASOLINE TANK 13 SUCTION ISOLATION			1000 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL / REGULAR PORT	316 L BALL & STEM, BUNA N SEAT, FIRE SAFE	YES	TRIAC SERIES F8R
V549203	RHIB GASOLINE	1	25	BALL VALVE		GASOLINE TANK 14 DEWATERING			1000 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL / REGULAR PORT	316 L BALL & STEM, BUNA N SEAT, FIRE SAFE	YES	TRIAC SERIES F8R
V549204	RHIB GASOLINE	1	25	BALL VALVE		GASOLINE TANK 13 DEWATERING			1000 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL / REGULAR PORT	316 L BALL & STEM, BUNA N SEAT, FIRE SAFE	YES	TRIAC SERIES F8R
V549206	RHIB GASOLINE	1	50	AUTOMATIC PRESSURE & VACUUM VENT		GASOLINE TANK 13 VENT			PN 16	F		STAINLESS STEEL	NON-CORRODABLE STEEL FLAME SCREEN	YES	DESIGNED FOR PRESSURE AND VACUUM (CAPTURED ON TECH SPEC 6094-82130-42)
V549208	RHIB GASOLINE	1	50	AUTOMATIC PRESSURE & VACUUM VENT		GASOLINE TANK 14 VENT			PN 16	F		STAINLESS STEEL	NON-CORRODABLE STEEL FLAME SCREEN	YES	DESIGNED FOR PRESSURE AND VACUUM (CAPTURED ON TECH SPEC 6094-82130-42)
V549209	RHIB GASOLINE	1	32	BALL VALVE		GASOLINE TANK 13 FILLING			1000 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL / REGULAR PORT	316 L BALL & STEM, BUNA N SEAT, FIRE SAFE	YES	TRIAC SERIES F8R
V549210	RHIB GASOLINE	1	32	BALL VALVE		GASOLINE TANK 14 FILLING			1000 PSI WOG	SW		SOCKET-WELD / STAINLESS STEEL / REGULAR PORT	316 L BALL & STEM, BUNA N SEAT, FIRE SAFE	YES	TRIAC SERIES F8R
V549213	RHIB GASOLINE	1	25	BALL VALVE		GASOLINE TANK 14 TEST VENT			1000 PSI WOG	NPT		STAINLESS STEEL	316L BALL & STEM, PTFE SEAT	YES	ECONOSTO FIGURE 7744 OR EQUAL
V549214	RHIB GASOLINE	1	25	BALL VALVE		GASOLINE TANK 13 TEST VENT			1000 PSI WOG	NPT		STAINLESS STEEL	316L BALL & STEM, PTFE SEAT	YES	ECONOSTO FIGURE 7744 OR EQUAL

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Weel.

AF6094-55100-01 COMPRESSED AIR SYSTEM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V551001	COMPRESSED AIR	1	25 (1")	PRESSURE REGULATOR		START AIR SUPPLY - MAIN ENGINES			PN 69 MAX	NPT		ASTM A216 WCB CAST STEEL, CL 600, FNPT	N/A	NO	ORDERED IN DOC. 6094-82130-06 MODEL - LESLIE LAAS-1
V551003	COMPRESSED AIR	1	25 (1")	PRESSURE REGULATOR		START AIR SUPPLY - DIESEL GENERATORS			PN 69 MAX	NPT		ASTM A216 WCB CAST STEEL, CL 600, FNPT		NO	ORDERED IN DOC. 6094-82130-06 MODEL - LESLIE LAAS-1
V551005	COMPRESSED AIR	1	15 (1/2")	PRESSURE REGULATOR		AIR SUPPLY - AIR TOOLS			PN 69 MAX	NPT		ASTM A216 WCB CAST STEEL, CL 600, FNPT		NO	ORDERED IN DOC. 6094-82130-06 MODEL - LESLIE LAAS-1
V551006	COMPRESSED AIR	1	15 (1/2")	PRESSURE REGULATOR		AIR SUPPLY - SHIPS USERS			PN 27.5 MAX	NPT		ASTM B-61 CAST BRONZE, FNPT		NO	ORDERED IN DOC. 6094-82130-06 MODEL - LESLIE JA-2
V551008	COMPRESSED AIR	1	25 (1")	AIR FILTER (Y-STRAINER)		START AIR SUPPLY - MAIN ENGINES			CL 600	NPT		ASTM A216 WCB CAST STEEL, FNPT	0.031" PERFORATED 304 SST SCREEN, A105 STEEL PLUG, 304 SST SPWND GASKET	NO	ORDERED IN DOC. 6094-82130-06 MODEL - SPENCE
V551010	COMPRESSED AIR	1	25 (1")	AIR FILTER (Y-STRAINER)		START AIR SUPPLY - DIESEL GENERATORS			CL 600	NPT		ASTM A216 WCB CAST STEEL, FNPT	0.031" PERFORATED 304 SST SCREEN, A105 STEEL PLUG, 304 SST SPWND GASKET	NO	ORDERED IN DOC. 6094-82130-06 MODEL - SPENCE
V551013	COMPRESSED AIR	1	25 (1")	CHECK VALVE		START AIR COMPRESSOR #1 DISCHARGE			PN 40	BSP		SST BODY & THREADED BONNET	SST DISC & SPRING, PTFE DISC RING & BONNET GASKET	NO	ECONOSTO FIGURE 3256 OR EQUAL
V551015	COMPRESSED AIR	1	25 (1")	CHECK VALVE		START AIR COMPRESSOR #2 DISCHARGE			PN 40	BSP		SST BODY & THREADED BONNET	SST DISC & SPRING, PTFE DISC RING & BONNET GASKET	NO	ECONOSTO FIGURE 3256 OR EQUAL
V551016	COMPRESSED AIR	1	25 (1")	AIR FILTER		START AIR COMPRESSOR #2 DISCHARGE			PN 40			CAST IRON	N/A	NO	CAPTURED ON COMPRESSOR SCOPE OF SUPPLY
V551017	COMPRESSED AIR	1	25 (1")	AIR FILTER		START AIR COMPRESSOR #1 DISCHARGE			PN 40			CAST IRON	N/A	NO	CAPTURED ON COMPRESSOR SCOPE OF SUPPLY
V551018	COMPRESSED AIR	1	20	SOLENOID		START AIR COMPRESSOR #2 - FILTER DRAIN			PN40			BSP THREAD, BRASS BODY, FULL BORE	BRASS BALL AND STEM, PTFE SEAT, NBR SEAL, ALUMINIUM LEVER		CAPTURED ON COMPRESSOR SCOPE OF SUPPLY
V551020	COMPRESSED AIR	1	32 (1 1/4")	GLOBE VALVE -Y PATTERN		START AIR SUPPLY - MAIN ENGINES			PN 40	BSP		BSP THREAD, STAINLESS STEEL BODY & THREADED BONNET	SST DISC & STEM, PTFE DISC SEALING RING, BONNET GASKET & GLAND PACKING, SST HND WHEEL	NO	ECONOSTO FIGURE 3251 OR EQUAL
V551021	COMPRESSED AIR	1	25 (1")	NEEDLE VALVE		START AIR SUPPLY - MAIN ENGINES			PN 100 MAX	BSP		BSP THREAD, BRASS	BRASS BONNET AND STEM WITH FIXED NEEDLE TIP, PTFE GLAND PACKING, BAKELITE HANDWHEEL	NO	ECONOSTO FIGURE 718 OR EQUAL
V551023	COMPRESSED AIR	1	40 (1 1/2")	SDNR GLOBE VALVE STRAIGHT TYPE		START AIR SUPPLY - MAIN ENGINES		SDNR	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551024	COMPRESSED AIR	1	32 (1 1/4") / 40 (1 1/2")	SAFETY VALVE		PRESSURE RELIEF - MAIN ENGINE SUPPLY			max PN 65	NPT		ASTM B584 BRONZE MNPT X FNPT	METAL SEAT, BRASS TRIM, PLAIN LEVER WITH VIBRATION DAMPER	NO	MODEL - APPOLO/CONBRACO - SV; SET AT 10 BAR (CAPTURED ON TECH SPEC 6094-82130-06)
V551025	COMPRESSED AIR	1	40 (1 1/2")	CHECK VALVE		START AIR RECEIVER #4 DISCHARGE			PN 40	BSP		SST BODY & THREADED BONNET	SST DISC & SPRING, PTFE DISC RING & BONNET GASKET	NO	ECONOSTO FIGURE 3256 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V551026	COMPRESSED AIR	1	15 (1/2")	GLOBE VALVE -Y PATTERN		AIR TOOLS SUPPLY			PN 40	BSP		BSP THREAD, STAINLESS STEEL BODY & THREADED BONNET	SST DISC & STEM, PTFE DISC SEALING RING, BONNET GASKET & GLAND PACKING, SST HND WHEEL	NO	ECONOSTO FIGURE 3251 OR EQUAL
V551027	COMPRESSED AIR	1	15 (1/2")	NEEDLE VALVE		AIR TOOLS SUPPLY - PRESSURE REGULATOR BY-PASS			PN 100 MAX	BSP		BSP THREAD, BRASS	BRASS BONNET AND STEM WITH FIXED NEEDLE TIP, PTFE GLAND PACKING, BAKELITE HANDWHEEL	NO	ECONOSTO FIGURE 718 OR EQUAL
V551028	COMPRESSED AIR	1	15 (1/2")	SDNR GLOBE VALVE STRAIGHT TYPE		AIR TOOLS SUPPLY			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551029	COMPRESSED AIR	1	20(3/4") x 25(1")	SAFETY VALVE		PRESSURE RELIEF - AIR TOOLS SUPPLY			max PN 65	NPT		ASTM B584 BRONZE MNPT X FNPT	METAL SEAT, BRASS TRIM, PLAIN LEVER WITH VIBRATION DAMPER	NO	MODEL - APPOLO/CONBRACO - SV; SET AT 7.7 BAR (CAPTURED ON TECH SPEC 6094-82130-06)
V551034	COMPRESSED AIR	1	15 (1/2")	GLOBE VALVE		SHIPS USERS SUPPLY			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V551035	COMPRESSED AIR	1	15 (1/2")	NEEDLE VALVE		SHIPS USERS SUPPLY - PRESSURE REGULATOR BY-PASS			PN 100 MAX	BSP		BSP THREAD, BRASS	BRASS BONNET AND STEM WITH FIXED NEEDLE TIP, PTFE GLAND PACKING, BAKELITE HANDWHEEL	NO	ECONOSTO FIGURE 718 OR EQUAL
V551036	COMPRESSED AIR	1	20 (3/4")	SDNR GLOBE VALVE STRAIGHT TYPE		SHIPS USERS SUPPLY			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551037	COMPRESSED AIR	1	15(1/2") x 20(3/4")	SAFETY VALVE		PRESSURE RELIEF - SHIPS USERS			max PN 65	NPT		ASTM B584 BRONZE MNPT X FNPT	METAL SEAT, BRASS TRIM, PLAIN LEVER WITH VIBRATION DAMPER	NO	MODEL - APPOLO/CONBRACO - SV; SET AT 2.3 BAR (CAPTURED ON TECH SPEC 6094-82130-06)
V551038	COMPRESSED AIR	1	40 (1 1/2")	SDNR GLOBE VALVE STRAIGHT TYPE		START AIR SUPPLY - MAIN ENGINE (PS)		SDNR	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551039	COMPRESSED AIR	1	40 (1 1/2")	SDNR GLOBE VALVE STRAIGHT TYPE		START AIR SUPPLY - MAIN ENGINE (SB)		SDNR	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551040	COMPRESSED AIR	1	15 (1/2")	BALL VALVE, TO DRAIN		START AIR CONDENSATE DRAIN - MAIN ENGINE (PS)			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551041	COMPRESSED AIR	1	15 (1/2")	BALL VALVE, TO DRAIN		START AIR CONDENSATE DRAIN - MAIN ENGINE (SB)			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551043	COMPRESSED AIR	1	32 (1 1/4")	GLOBE VALVE -Y PATTERN		START AIR SUPPLY - DIESEL GENERATORS			PN 40	BSP		BSP THREAD, STAINLESS STEEL BODY & THREADED BONNET	SST DISC & STEM, PTFE DISC SEALING RING, BONNET GASKET & GLAND PACKING, SST HND WHEEL	NO	ECONOSTO FIGURE 3251 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V551044	COMPRESSED AIR	1	25 (1")	NEEDLE VALVE		START AIR SUPPLY - DIESEL GENERATORS - PRESSURE REGULATOR BY-PASS			PN 100 MAX	BSP		BSP THREAD, BRASS	BRASS BONNET AND STEM WITH FIXED NEEDLE TIP, PTFE GLAND PACKING, BAKELITE HANDWHEEL	NO	ECONOSTO FIGURE 718 OR EQUAL
V551045	COMPRESSED AIR	1	32 (1 1/4")	SDNR GLOBE VALVE STRAIGHT TYPE		START AIR SUPPLY - DIESEL GENERATORS		SDNR	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551047	COMPRESSED AIR	1	32 (1 1/4")	SDNR GLOBE VALVE STRAIGHT TYPE		START AIR SUPPLY - DIESEL GENERATOR (SB)		SDNR	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551048	COMPRESSED AIR	1	32 (1 1/4")	SDNR GLOBE VALVE STRAIGHT TYPE		START AIR SUPPLY - DIESEL GENERATOR (PS)		SDNR	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551049	COMPRESSED AIR	1	15 (1/2")	BALL VALVE, TO DRAIN		START AIR CONDENSATE DRAIN - DIESEL GENERATOR (SB)			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551050	COMPRESSED AIR	1	15 (1/2")	BALL VALVE, TO DRAIN		START AIR CONDENSATE DRAIN - DIESEL GENERATOR (PS)			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551051	COMPRESSED AIR	1	32 (1 1/4")	SDNR GLOBE VALVE STRAIGHT TYPE		START AIR SUPPLY - EMERGENCY DIESEL GENERATOR		SDNR	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551052	COMPRESSED AIR	1	15 (1/2")	BALL VALVE, TO DRAIN		START AIR CONDENSATE DRAIN - EMERGENCY DIESEL GENERATOR			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551055	COMPRESSED AIR	1	15 (1/2")	BALL VALVE		SERVICE CONNECTION - AFT END OF MAIN DECKHOUSE			1000 PSI WOG	BSP		BSP THREAD, STAINLESS STEEL BODY, FULL BORE	STAINLESS STEEL BALL & STEM, PTFE SEAT & SEAL, SST LEVER	NO	ECONOSTO FIGURE 7752 OR EQUAL
V551056	COMPRESSED AIR	1	15 (1/2")	BALL VALVE		SERVICE CONNECTION - MMR			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551057	COMPRESSED AIR	1	15 (1/2")	BALL VALVE		SERVICE CONNECTION - AMR			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551058	COMPRESSED AIR	1	15 (1/2")	BALL VALVE		SERVICE CONNECTION - STEERING GEAR COMPARTMENT			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551059	COMPRESSED AIR	1	15 (1/2")	BALL VALVE		SERVICE CONNECTION - FWD END OF MAIN DECKHOUSE			1000 PSI WOG	BSP		BSP THREAD, STAINLESS STEEL BODY, FULL BORE	STAINLESS STEEL BALL & STEM, PTFE SEAT & SEAL, SST LEVER	NO	ECONOSTO FIGURE 7752 OR EQUAL
V551061	COMPRESSED AIR	1	25	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - SIDE SEA CHEST		SDNR	PN 16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551062	COMPRESSED AIR	1	25	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - BOTTOM SEA CHEST		SDNR	PN 16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V551063	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - MAIN ENGINE (PS) O/B DISCHARGE		SDNR	PN 16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551064	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - MAIN ENGINE (SB) O/B DISCHARGE		SDNR	PN 16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551068	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - GREY WATER O/B DISCHARGE		SDNR	PN 10/16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551069	COMPRESSED AIR	1	10 (3/8")	SDNR GLOBE VALVE STRAIGHT TYPE		PURGE AIR SUPPLY - WINDOW WASHING		SDNR	PN 10/16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK
V551070	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - RO PLANT O/B DISCHARGE		SDNR	PN 10/16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551071	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - BILGE O/B DISCHARGE (MMR)		SDNR	PN 10/16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551073	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - BILGE O/B DISCHARGE (AMR)		SDNR	PN 16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551074	COMPRESSED AIR	1	25	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - FWD BOTTOM SEA CHEST		SDNR	PN 16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551075	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - BILGE EJECTOR O/B DISCHARGE		SDNR	PN 16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551076	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - HVAC ACU O/B DISCHARGE		SDNR	PN 16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551077	COMPRESSED AIR	1	20	SOLENOID		START AIR CONDENSATE DRAIN - AIR COMPRESSOR #1 FILTER			PN40			BSP THREAD, BR BODY, FULL BORE	BRASS BALL AND STEM, PTFE SEAT, NBR SEAL, ALUMINIUM LEVER		CAPTURED ON COMPRESSOR SCOPE OF SUPPLY
V551078	COMPRESSED AIR	1	32 (1 1/4")/ 40 (1 1/2")	SAFETY VALVE		PRESSURE RELIEF - DIESEL GENERATOR SUPPLY			max PN 65	NPT		ASTM B584 BRONZE MNPT X FNPT	METAL SEAT, BRASS TRIM, PLAIN LEVER WITH VIBRATION DAMPER	NO	SET POINT 11.33 BAR CONBRACO 19MGFK160A (CAPTURED ON TECH SPEC 6094-82130-06)
V551086	COMPRESSED AIR	1	15 (1/2")	BALL VALVE		SERVICE CONNECTION - WORKSHOP (HVAC ROOM)			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551089	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - FIRE WATER O/B DISCH (DRAIN)		SDNR	PN 10/16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551095	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR - 551PI001			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V551096	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 551PI002			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551098	COMPRESSED AIR	1	1/4"	NEEDLE VALVE		PRESSURE INDICATOR - 551PI004			PN 40	BSPP		SS BODY AND BONNET	SS STEM, NEEDLE TIP AND LEVER, PTFE GLAND PACKING	NO	ECONOSTO FIGURE 222S OR EQUAL ORDERED IN DOC. 6094-82130-63
V551099	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR - 551PI005			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551100	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR - 551PI006			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551101	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR - 551PI007			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551102	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR -551PI008			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551103	COMPRESSED AIR	1	1/4"	NEEDLE VALVE		PRESSURE INDICATOR - 551PI009			PN 40	BSPP		SS BODY AND BONNET	SS STEM, NEEDLE TIP AND LEVER, PTFE GLAND PACKING	NO	ECONOSTO FIGURE 222S OR EQUAL ORDERED IN DOC. 6094-82130-63
V551104	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR - 551PI010			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551107	COMPRESSED AIR	1	40 (1 1/2")	CHECK VALVE		START AIR DISCHARGE - AIR RECEIVER #3 DISCH			PN 40	BSP		SST BODY & THREADED BONNET	SST DISC & SPRING, PTFE DISC RING & BONNET GASKET	NO	ECONOSTO FIGURE 3256 OR EQUAL
V551109	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR - 551PI112			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551113	COMPRESSED AIR	1	25 (1")	CHECK VALVE		START AIR SUPPLY - AIR RECEIVER #5 DISCH			PN 40	BSP		SST BODY & THREADED BONNET	SST DISC & SPRING, PTFE DISC RING & BONNET GASKET	NO	ECONOSTO FIGURE 3256 OR EQUAL
V551114	COMPRESSED AIR	1	25 (1")	GLOBE VALVE -Y PATTERN		START AIR SUPPLY - EMERGENCY DIESEL GENERATOR			PN 40	BSP		BSP THREAD, STAINLESS STEEL BODY & THREADED BONNET	SST DISC & STEM, PTFE DISC SEALING RING, BONNET GASKET & GLAND PACKING, SST HND WHEEL	NO	ECONOSTO FIGURE 3251 OR EQUAL
V551115	COMPRESSED AIR	1	25 (1")	NEEDLE VALVE		START AIR SUPPLY - EMERGENCY DIESEL GENERATOR - PRESSURE REGULATOR BY-PASS			PN 100 MAX	BSP		BSP THREAD, BRASS	BRASS BONNET AND STEM WITH FIXED NEEDLE TIP, PTFE GLAND PACKING, BAKELITE HANDWHEEL	NO	ECONOSTO FIGURE 718 OR EQUAL
V551117	COMPRESSED AIR	1	25 (1")	AIR FILTER (Y-STRAINER)		START AIR SUPPLY - EMERGENCY DIESEL GENERATOR			CL 600	NPT		ASTM A216 WCB CAST STEEL, FNPT	0.031" PERFORATED 304 SST SCREEN, A105 STEEL PLUG, 304 SST SPWND GASKET	NO	ORDERED IN DOC. 6094-82130-06 MODEL - SPENCE
V551119	COMPRESSED AIR	1	25 (1")	PRESSURE REGULATOR		START AIR SUPPLY - EMERGENCY DIESEL GENERATOR			PN 69 MAX	NPT		ASTM A216 WCB CAST STEEL, CL 600, FNPT		NO	ORDERED IN DOC. 6094-82130-06 MODEL - LESLIE LAAS-1
V551121	COMPRESSED AIR	1	32 (1 1/4")	SDNR GLOBE VALVE STRAIGHT TYPE		START AIR SUPPLY - EMERGENCY DIESEL GENERATOR		SDNR	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551123	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR - 551PI013			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551124	COMPRESSED AIR	1	32 (1 1/4")/ 40 (1 1/2")	SAFETY VALVE		PRESSURE RELIEF - EMERGENCY DIESEL GENERATOR SUPPLY			max PN 65	NPT		ASTM B584 BRONZE MNPT X FNPT	METAL SEAT, BRASS TRIM, PLAIN LEVER WITH VIBRATION DAMPER	NO	SET POINT 9.0 BAR CONBRACO 19MGFK130A (CAPTURED ON TECH SPEC 6094-82130-06)
V551125	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE TRANSMITTER - 551PT001			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551126	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - GEAR BOX (PS) O/B DISCHARGE		SDNR	PN 10/16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551127	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - GEAR BOX (SB) O/B DISCHARGE		SDNR	PN 10/16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V551128	COMPRESSED AIR	1	15	SDNR GLOBE VALVE STRAIGHT TYPE		BLOWDOWN AIR - CYCLONE FILTER O/B DISCHARGE		SDNR	PN 10/16	F		FLANGED / BRONZE BODY & BONNET	BRZ DISC & SEAT / BRASS STEM / PTFE GASKET & NON-ASB PACKING / CAST IRON HANDWHEEL	YES	ECONOSTO FIGURE 275LK; CLASS II LR
V551129	COMPRESSED AIR	1	15 (1/2")	BALL VALVE		BILGE PUMP PRIMING AIR (MMR)			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551130	COMPRESSED AIR	1	15 (1/2")	BALL VALVE		BILGE PUMP PRIMING AIR (AMR)			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551131	COMPRESSED AIR	1	15 (1/2")	BALL VALVE		STERN TUBE FWD SEAL SUPPLY (SB - PNEUMOSTOP)			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551132	COMPRESSED AIR	1	15 (1/2")	BALL VALVE		STERN TUBE FWD SEAL SUPPLY (PS - PNEUMOSTOP)			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551133	COMPRESSED AIR	1	15 (1/2")	GLOBE VALVE		STERN TUBE FWD SEAL SUPPLY			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V551134	COMPRESSED AIR	1	15 (1/2")	PRESSURE REGULATOR		STERN TUBE SEAL SUPPLY			PN 27.5 MAX	NPT		ASTM B-61 CAST BRONZE, FNPT		NO	ORDERED IN DOC. 6094-82130-06 MODEL - LESLIE JA-2
V551135	COMPRESSED AIR	1	15 (1/2")	SDNR GLOBE VALVE STRAIGHT TYPE		STERN TUBE FWD SEAL SUPPLY			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V551136	COMPRESSED AIR	1	15 (1/2")	NEEDLE VALVE		STERN TUBE FWD SEAL SUPPLY BY-PASS			PN 100 MAX	BSP		BSP THREAD, BRASS	BRASS BONNET AND STEM WITH FIXED NEEDLE TIP, PTFE GLAND PACKING, BAKELITE HANDWHEEL	NO	ECONOSTO FIGURE 718 OR EQUAL
V551137	COMPRESSED AIR	1	15(1/2") x 20(3/4")	SAFETY VALVE		PRESSURE RELIEF - STERN TUBE SEAL SUPPLY			max PN 65	NPT		ASTM B584 BRONZE MNPT X FNPT	METAL SEAT, BRASS TRIM, PLAIN LEVER WITH VIBRATION DAMPER	NO	MODEL - APPOLO/CONBRACO - SV; SET AT 3 BAR (CAPTURED ON TECH SPEC 6094-82130-06)
V551138	COMPRESSED AIR	1	15 (1/2")	AIR FILTER (STRAINER)		AMR SUPPLY - SHIPS USERS			CL 600	NPT		ASTM A216 WCB CAST STEEL, FNPT	0.031" PERFORATED 304 SST SCREEN, A105 STEEL PLUG, 304 SST SPWND GASKET	NO	ORDERED IN DOC. 6094-82130-06 MODEL - SPENCE
V551139	COMPRESSED AIR	1	15 (1/2")	AIR FILTER (STRAINER)		STERN TUBE SEAL SUPPLY			CL 600	NPT		ASTM A216 WCB CAST STEEL, FNPT	0.031" PERFORATED 304 SST SCREEN, A105 STEEL PLUG, 304 SST SPWND GASKET	NO	ORDERED IN DOC. 6094-82130-06 MODEL - SPENCE
V551140	COMPRESSED AIR	1	15 (1/2")	AIR FILTER (STRAINER)		AIR TOOLS SUPPLY			CL 600	NPT		ASTM A216 WCB CAST STEEL, FNPT	0.031" PERFORATED 304 SST SCREEN, A105 STEEL PLUG, 304 SST SPWND GASKET	NO	ORDERED IN DOC. 6094-82130-06 MODEL - SPENCE
V551141	COMPRESSED AIR	1	15 (1/2")	GLOBE VALVE		BLOWDOWN AIR - RHIB GASOLINE PIPING & HOSES			PN 16	BSP		BSP THREAD, SST BODY & BONNET	SST DISC & STEM, PTFE BONNET GASKET & GLAND PACKING, SST HND WHEEL	NO	ECONOSTO FIGURE 3250 OR EQUAL
V551142	COMPRESSED AIR	1	15 (1/2")	CHECK VALVE		BLOWDOWN AIR - RHIB GASOLINE PIPING & HOSES			PN 40	BSP		SST BODY & THREADED BONNET	SST DISC & SPRING, PTFE DISC RING & BONNET GASKET	NO	ECONOSTO FIGURE 3256 OR EQUAL
V551143	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 551PI014			PN 10	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551144	COMPRESSED AIR	1	25 (1")	GLOBE VALVE -Y PATTERN		START AIR COMPRESSOR #1 DISCH			PN 40	BSP		BSP THREAD, STAINLESS STEEL BODY & THREADED BONNET	SST DISC & STEM, PTFE DISC SEALING RING, BONNET GASKET & GLAND PACKING, SST HND WHEEL	NO	ECONOSTO FIGURE 3251 OR EQUAL
V551145	COMPRESSED AIR	1	25 (1")	GLOBE VALVE -Y PATTERN		START AIR COMPRESSOR #2 DISCH			PN 40	BSP		BSP THREAD, STAINLESS STEEL BODY & THREADED BONNET	SST DISC & STEM, PTFE DISC SEALING RING, BONNET GASKET & GLAND PACKING, SST HND WHEEL	NO	ECONOSTO FIGURE 3251 OR EQUAL
V551146	COMPRESSED AIR	1	15 (1/2")	GLOBE VALVE -Y PATTERN		AIR TOOLS SUPPLY			PN 40	BSP		BSP THREAD, STAINLESS STEEL BODY & THREADED BONNET	SST DISC & STEM, PTFE DISC SEALING RING, BONNET GASKET & GLAND PACKING, SST HND WHEEL	NO	ECONOSTO FIGURE 3251 OR EQUAL
V551147	COMPRESSED AIR	1	20 (3/4")	GLOBE VALVE		JETTISON MECHANISM PNEUMATIC CONTROL SYSTEM SUPPLY			PN16	BSP		BRONZE	BRASS STEM, BRONZE DISC	NO	ECONOSTO FIGURE 1275 OR EQUAL
V551149	COMPRESSED AIR	1	15 (1/2")	PRESSURE REGULATOR		FENDER INFLATING SUPPLY			750 PSIG RANGE 0-25 PSIG					NO	NUMATICS P32B ORDERED IN DOC. NO. 6094-82130-80
V551150	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 551PI015			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551151	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 551PI016			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551152	COMPRESSED AIR	1	1/4"	BALL VALVE		PS STERN TUBE SEAL VENT VALVE			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL
V551153	COMPRESSED AIR	1	1/4"	BALL VALVE		SB STERN TUBE SEAL VENT VALVE			PN 25	BSP		BSP THREAD, BRASS BODY, FULL BORE	HARD CHROME PLATED BRASS BALL, BRASS STEM, TEFLON SEAT, NBR SEAL, LEVER	NO	ECONOSTO FIGURE 1602 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V551158	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 551PS002			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551159	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR 551PS001			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V551160	COMPRESSED AIR	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR - 551PI002			PN 25	BSPP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Weel.

AF6094-55500-03 WATER FIRE EXTINGUISHING SYSTEM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V555001	SEA WATER	1	50	ANGLE GLOBE HOSE		HYDRANT - AMR			PN16	F	DIN2501 x Storz	FLANGED x STORZ, BRONZE BODY & BONNET (BOLTED)	BRASS STEM, DISC & COUPLING, NBR DISC SEAL RING, BRONZE HNDWHEEL	LRS TYPE APPR.	DIKKAN FIGURE 71A.588FA
V555002	SEA WATER	1	50	ANGLE GLOBE HOSE		HYDRANT - MMR			PN16	F	DIN2501 x Storz	FLANGED x STORZ, BRONZE BODY & BONNET (BOLTED)	BRASS STEM, DISC & COUPLING, NBR DISC SEAL RING, BRONZE HNDWHEEL	LRS TYPE APPR.	DIKKAN FIGURE 71A.588FA
V555003	SEA WATER	1	40	GLOBE VALVE - STR (SDNR)		BLACK / GREY WATER TANK FLUSHING SUPPLY		SDNR	PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	DIKKAN FIGURE 10.3559SD
V555004	SEA WATER	1	65	GLOBE VALVE - STR		FIRE MAIN SUPPLY - ABOVE MAIN DECK		N.O.	PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	DIKKAN FIGURE 10.3559ST
V555005	SEA WATER	1	50	ANGLE GLOBE HOSE		HYDRANT - MAIN DECK AT FR 11			PN16	F	DIN2501 x Storz	FLANGED x STORZ, BRONZE BODY & BONNET (BOLTED)	BRASS STEM, DISC & COUPLING, NBR DISC SEAL RING, BRONZE HNDWHEEL	LRS TYPE APPR.	DIKKAN FIGURE 71A.588FA
V555006	SEA WATER	1	50	ANGLE GLOBE HOSE		HYDRANT - BRIDGE DECK			PN16	F	DIN2501 x Storz	FLANGED x STORZ, BRONZE BODY & BONNET (BOLTED)	BRASS STEM, DISC & COUPLING, NBR DISC SEAL RING, BRONZE HNDWHEEL	LRS TYPE APPR.	DIKKAN FIGURE 71A.588FA
V555007	SEA WATER	1	50	STRAIGHT GLOBE HOSE		HYDRANT - FWD FR 11 / MMR DOOR			PN16	F	DIN2501 x Storz	FLANGED x STORZ, BRONZE BODY & BONNET (BOLTED)	BRASS STEM, DISC & COUPLING, NBR DISC SEAL RING, BRONZE HNDWHEEL	LRS TYPE APPR.	DIKKAN FIGURE 71.588CPL
V555008	SEA WATER	1	65	GLOBE VALVE - STR		FIRE MAIN ISOLATION - FWD FR 31		N.O.	PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	DIKKAN FIGURE 10.3559ST
V555009	SEA WATER	1	32	GLOBE VALVE - STR (SDNR)		FIRE MAIN O/B DISCHARGE		SDNR	PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	YES	DIKKAN FIGURE 10.3559SD
V555010	SEA WATER	1	65	GLOBE VALVE - STR		FIRE MAIN / EMERG FI-FI PUMP ISOLATION		N.O.	PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	DIKKAN FIGURE 10.3559ST
V555011	SEA WATER	1	50	ANGLE GLOBE HOSE		HYDRANT - FORE DECK (SB)			PN16	F	DIN2501 x Storz	FLANGED x STORZ, BRONZE BODY & BONNET (BOLTED)	BRASS STEM, DISC & COUPLING, NBR DISC SEAL RING, BRONZE HNDWHEEL	LRS TYPE APPR.	DIKKAN FIGURE 71A.588FA
V555012	SEA WATER	1	50	ANGLE GLOBE HOSE		HYDRANT - FORE DECK (PS)			PN16	F	DIN2501 x Storz	FLANGED x STORZ, BRONZE BODY & BONNET (BOLTED)	BRASS STEM, DISC & COUPLING, NBR DISC SEAL RING, BRONZE HNDWHEEL	LRS TYPE APPR.	DIKKAN FIGURE 71A.588FA
V555013	SEA WATER	1	50	STRAIGHT GLOBE HOSE		HYDRANT - BOW THRUSTER COMPARTMENT			PN16	F	DIN2501 x Storz	FLANGED x STORZ, BRONZE BODY & BONNET (BOLTED)	BRASS STEM, DISC & COUPLING, NBR DISC SEAL RING, BRONZE HNDWHEEL	LRS TYPE APPR.	DIKKAN FIGURE 71.588CPL
V555015	SEA WATER	1	65	SWING CHECK VALVE		EMERG FI-FI PUMP DISCHARGE			PN10	F	DIN2501	CI BODY & BONNET	BRZ SEAT & DISC, BRASS HINGE PIN, CAST IRON HINGE ARM, NOVUS 34 BONNET GASKET	NO	DIKKAN FIGURE 34.158MS

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V555016	SEA WATER	1	65	BASKET STRAINER		EMERG FI-FI PUMP SUCTION			PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON BODY & COVER	NBR COVER SEAL, BRASS DRAIN PLUG & VENT VALVE, SST SINGLE STRAINER BASKET, 8 MM PERFORATIONS	NO	KSF
V555017	SEA WATER	1	65	GLOBE VALVE - STR		EMERG FI-FI PUMP SUCTION		N.O.	PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	DIKKAN FIGURE 10.3559ST
V555018	SEA WATER	1	50	STRAIGHT GLOBE HOSE		HYDRANT - MAIN DECK PASSAGEWAY			PN16	F	DIN2501 x Storz	FLANGED x STORZ, BRONZE BODY & BONNET (BOLTED)	BRASS STEM, DISC & COUPLING, NBR DISC SEAL RING, BRONZE HNDWHEEL	LRS TYPE APPR.	DIKKAN FIGURE 71.588CPL
V555019	SEA WATER	1	65	GLOBE VALVE - STR		EMERGENCY FI-FI PUMP DISCHARGE			PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	DIKKAN FIGURE 10.3559ST
V555020	SEA WATER	1	65	GLOBE VALVE - STR		EMERG FI-FI PUMP SUCTION			PN16	F	DIN2501	FLANGED / DUCTILE CAST IRON, BOLTED BONNET, OS&Y	BRZ DISC & SEAT, BRASS STEM, GRAPHITE NON-ASB PACKING, CI HND WHEEL	NO	DIKKAN FIGURE 10.3559ST
V555021	SEA WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR			PN10	BSP		N/A	N/A	NO	ORDERED IN DOC. NO. 6094-82130-63
V555022	SEA WATER	1	1/4"	PRESSURE INDICATOR		PRESSURE INDICATOR			PN10	BSP		N/A	N/A	NO	ORDERED IN DOC. NO. 6094-82130-63
V555023	SEA WATER	1	1/4"	PRESSURE GAUGE COCK		PRESSURE INDICATOR			PN10	BSP		N/A	N/A	NO	ORDERED IN DOC. NO. 6094-82130-63
V555024	SEA WATER	1	1/4"	PRESSURE INDICATOR		PRESSURE INDICATOR			PN10	BSP		N/A	N/A	NO	ORDERED IN DOC. NO. 6094-82130-63
V555025	SEA WATER	1	20 (3/4")	BALL VALVE		AMMO LOCKER (SB) DELUGE			1000 PSI WOG	BSP		BSP THREAD, STAINLESS STEEL BODY	STAINLESS STEEL BALL & STEM, REDUCED BORE, PTFE BALL SEAT & STEM SEAL, STAINLESS STEEL LEVER	NO	ECONOSTO FIGURE 7744 OR EQUAL
V555026	SEA WATER	1	20 (3/4")	BALL VALVE		AMMO LOCKER (PS) DELUGE			1000 PSI WOG	BSP		BSP THREAD, STAINLESS STEEL BODY	STAINLESS STEEL BALL & STEM, REDUCED BORE, PTFE BALL SEAT & STEM SEAL, STAINLESS STEEL LEVER	NO	ECONOSTO FIGURE 7744 OR EQUAL
V555027	SEA WATER	1	25	GLOBE VALVE - STR		DRAIN TO BILGE IN MMR			PN16	F	DIN2501	DI, BOLTED BONNET, OS&Y	BRONZE DISC & SEAT, BRASS STEM, GRAPHITE MTRNASB PACKING, CI HANDWHEEL	NO	DIKKAN FIGURE 10.3559ST
V555029	SEA WATER	1	25	GLOBE VALVE - STR		ANCHOR & ANCHOR CHAIN WASH		N.C.	PN16	F	DIN2501	DI, BOLTED BONNET, OS&Y	BRONZE DISC & SEAT, BRASS STEM, GRAPHITE MTRNASB PACKING, CI HANDWHEEL	YES	DIKKAN FIGURE 10.3559ST WITH LOCAL CONTROL FROM ABOVE MAIN DECK
E555011	SEA WATER	1	15 (1/2")	SPRAY NOZZLE		AMMO LOCKER (SB) DELUGE				BSP		SST BODY		NO	BETETF24, 170 DEGREE ORDERED IN DOC. NO. 6094-82130-77
E555012	SEA WATER	1	15 (1/2")	SPRAY NOZZLE		AMMO LOCKER (PS) DELUGE				BSP		SST BODY		NO	BETETF24, 170 DEGREE ORDERED IN DOC. NO. 6094-82130-77

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hyd=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Wheel.

AF6094-56100-02 STEERING SYSTEM SCHEMATIC OF THE HYDRAULIC SYSTEM (STEERING GEAR)

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V561001	STEERING GEAR HYDRAULIC SYSTEM	1	25(1")	BALL VALVE		HYDRAULIC OIL STORAGE TANK OUTLET		LEVER / NC	PN55	BSP		BSP CARBON STEEL BODY	STAINLESS STEEL BALL, CARBON STEEL STEM, STEEL LEVER	NO	ECONOSTO FIGURE 7722 OR EQUAL
V561002	STEERING GEAR HYDRAULIC SYSTEM	1	25(1")	BALL VALVE		RESERVOIR AND MANIFOLD OIL SUPPLY		LEVER/ NC	PN55	BSP		BSP CARBON STEEL BODY	STAINLESS STEEL BALL, CARBON STEEL STEM, STEEL LEVER	NO	ECONOSTO FIGURE 7722 OR EQUAL
V561003	STEERING GEAR HYDRAULIC SYSTEM	1	25(1")	BALL VALVE		RESERVOIR AND MANIFOLD OIL SUPPLY		LEVER/ NC	PN55	BSP		BSP CARBON STEEL BODY	STAINLESS STEEL BALL, CARBON STEEL STEM, STEEL LEVER	NO	ECONOSTO FIGURE 7722 OR EQUAL
V561004	STEERING GEAR HYDRAULIC SYSTEM	1	25(1")	BALL VALVE		RESERVOIR AND MANIFOLD OIL RETURN		LEVER/ NC	PN55	BSP		BSP CARBON STEEL BODY	STAINLESS STEEL BALL, CARBON STEEL STEM, STEEL LEVER	NO	ECONOSTO FIGURE 7722 OR EQUAL
V561005	STEERING GEAR HYDRAULIC SYSTEM	1	20(3/4")	BALL VALVE		DISCHARGE TO BARREL		LEVER/ NC	PN55	BSP		BSP CARBON STEEL BODY	STAINLESS STEEL BALL, CARBON STEEL STEM, STEEL LEVER	NO	ECONOSTO FIGURE 7722 OR EQUAL
V561006	STEERING GEAR HYDRAULIC SYSTEM	1	25(1")	BALL VALVE		RESERVOIR AND MANIFOLD OIL RETURN		LEVER/ NC	PN55	BSP		BSP CARBON STEEL BODY	STAINLESS STEEL BALL, CARBON STEEL STEM, STEEL LEVER	NO	ECONOSTO FIGURE 7722 OR EQUAL
V561007	STEERING GEAR HYDRAULIC SYSTEM	1	15(1/2")	BALL VALVE - HIGH PRESSURE		DOUBLE ACTING RELIEF AND BYPASS		LEVER/ NO	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561008	STEERING GEAR HYDRAULIC SYSTEM	1	15(1/2")	BALL VALVE - HIGH PRESSURE		DOUBLE ACTING RELIEF AND BYPASS		LEVER/ NO	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561009	STEERING GEAR HYDRAULIC SYSTEM	1	15(1/2")	BALL VALVE - HIGH PRESSURE		DOUBLE ACTING RELIEF AND BYPASS		LEVER/ NO	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561010	STEERING GEAR HYDRAULIC SYSTEM	1	15(1/2")	BALL VALVE - HIGH PRESSURE		DOUBLE ACTING RELIEF AND BYPASS		LEVER/ NO	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561011	STEERING GEAR HYDRAULIC SYSTEM	1	15(1/2")	BALL VALVE - HIGH PRESSURE		DOUBLE ACTING RELIEF AND BYPASS		LEVER/ NO	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561012	STEERING GEAR HYDRAULIC SYSTEM	1	15(1/2")	BALL VALVE - HIGH PRESSURE		DOUBLE ACTING RELIEF AND BYPASS		LEVER/ NO	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561013	STEERING GEAR HYDRAULIC SYSTEM	1	15(1/2")	BALL VALVE - HIGH PRESSURE		DOUBLE ACTING RELIEF AND BYPASS		LEVER/ NO	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561014	STEERING GEAR HYDRAULIC SYSTEM	1	15(1/2")	BALL VALVE - HIGH PRESSURE		DOUBLE ACTING RELIEF AND BYPASS		LEVER/ NO	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561015	STEERING GEAR HYDRAULIC SYSTEM	1	25(1")	BALL VALVE-HIGH PRESSURE		HAND-OPERATED EMERGENCY STEERING GEAR		LEVER/ NC	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561016	STEERING GEAR HYDRAULIC SYSTEM	1	25(1")	BALL VALVE-HIGH PRESSURE		HAND-OPERATED EMERGENCY STEERING GEAR		LEVER/ NC	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V561017	STEERING GEAR HYDRAULIC SYSTEM	1	25(1")	BALL VALVE-HIGH PRESSURE		HAND-OPERATED EMERGENCY STEERING GEAR		LEVER/ NC	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561018	STEERING GEAR HYDRAULIC SYSTEM	1	25(1")	BALL VALVE-HIGH PRESSURE		HAND-OPERATED EMERGENCY STEERING GEAR		LEVER/ NC	PN 350	BSP		STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	STEEL BALL, STEEL TRIM, GALV. STEEL LEVER	YES	CLASS I ECONOSTO FIGURE 1950 OR EQUAL
V561030	STEERING GEAR HYDRAULIC SYSTEM	1	20	SELF CLOSING VALVE (SPRING)		HYDRAULIC OIL STORAGE TANK DEWATERING		PUSH- BUTTO N	PN 40	F		FLANGED, PUSH BUTTON, STEEL BODY	SS BALL AND STEM, STEEL PUSH BUTTON, STEEL SPRING	NO	CLASS III ECONOSTO FIGURE 574VS OR EQUAL
V561031	STEERING GEAR HYDRAULIC SYSTEM	1	42 MM	LEVEL INDICATORS, MAGNETIC		110L HYDRUALIC OIL TANK LEVEL INDICATOR			PN 10			SS	SEETRU G31 SEAMAG. WITH SST BALL VALVES	NO	ORDERED IN DOC. 6094-82130-73 L=670 M

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Weel.

AF6094-59300-02 BLACK GREY WATER AND SANITARY FLUSHING SYSTEM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V593010	BLACK WATER	1	50	FULL BORE BALL VALVE		BLACK WATER TANK 7b - DISCH			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593018	BLACK WATER	1	15	BALL VALVE		BLACK WATER TANK DISCHARGE SAMPLE DRAIN		N.C.	1000 PSI WOG	BSP		BSP THREADED, STAINLESS STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT & STEM SEAL	NO	ECONOSTO FIGURE 7744 OR EQUAL
V593023	GREY WATER	1	50	SCUPPER		DECK DRAIN - WASHROOM, MAIN DECK FORWARD						SS		NO	ORDERED IN DOC. 6094-82130-59
V593025	GREY WATER	1	50	SCUPPER		DECK DRAIN - GALLEY						SS		NO	ORDERED IN DOC. 6094-82130-59
V593026	GREY WATER	1	50	SCUPPER		DECK DRAIN - DRY FOOD STORE						SS		NO	ORDERED IN DOC. 6094-82130-59
V593028	GREY WATER	1	50	SCUPPER		DECK DRAIN - WASHROOM - MAIN DECK AFT						SS		NO	ORDERED IN DOC. 6094-82130-59
V593031	GREY WATER	1	50	SCUPPER		DECK DRAIN - WASHROOM BELOW MAIN DECK						SS		NO	ORDERED IN DOC. 6094-82130-59
V593032	GREY WATER	1	50	SCUPPER		DECK DRAIN - WASHROOM BELOW MAIN DECK						SS		NO	ORDERED IN DOC. 6094-82130-59
V593033	GREY WATER	1	50	SCUPPER		DECK DRAIN - LAUNDRY / LINEN LOCKER						SS		NO	ORDERED IN DOC. 6094-82130-59
V593037	SEA WATER	1	25	BALL VALVE		SEWAGE SLUDGE TANK(06) - SEA WATER FLUSHING SUPPLY			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593038	SEA WATER	1	25	BALL VALVE		BLACK WATER TANK (7b) - SEA WATER FLUSHING SUPPLY			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593039	SEWAGE SLUDGE	1	15	BALL VALVE		SLUDGE TANK DISCHARGE SAMPLE DRAIN			1000 PSI WOG	BSP		BSP THREADED, STAINLESS STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT & STEM SEAL	NO	ECONOSTO FIGURE 7744 OR EQUAL
V593042	SEWAGE SLUDGE	1	40	FULL BORE BALL VALVE		SLUDGE TANK 6 - DISCH		N.C.	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593043	SEWAGE SLUDGE	1	40	SWING CHECK VALVE		SLUDGE TANK 6 - DISCHARGE NON-RETURN			PN 16	F		FLANGED CAST IRON BODY	STEEL DISC, BRASS HINGE PIN, NBR O-RING & GASKET	NO	ECONOSTO FIGURE 70GY OR EQUAL
V593045	SEWAGE SLUDGE	1	40	FULL BORE BALL VALVE		SLUDGE TANK 6 - FILLING		N.C.	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593046	SEWAGE SLUDGE	1	50	FULL BORE BALL VALVE		SHORE DISCHARGE		N.C.	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593049	GREY WATER	1	25	FULL BORE BALL VALVE		GREY WATER TANK (7a) - SEA WATER FLUSHING SUPPLY			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593051	GREY WATER	1	50	SWING CHECK VALVE		MAIN DECK GREY WATER HEADER			PN 16	F		FLANGED CAST IRON BODY	STEEL DISC, BRASS HINGE PIN, NBR O-RING & GASKET	NO	ECONOSTO FIGURE 70GY OR EQUAL
V593052	GREY WATER	1	50	FULL BORE BALL VALVE		GREY WATER TANK (7a) FILLING			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V593053	BLACK WATER	1	50	FULL BORE BALL VALVE		BLACK WATER TANK (7b) FILLING			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593056	B&G WATER	1	50	FULL BORE BALL VALVE		GREY WATER SHORE DISCH		Sheet No: 1 of 55	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593057	GREY WATER	1	40	SWING CHECK VALVE		GREY WATER SHORE DISCH			PN 16	F		FLANGED CAST IRON BODY	STEEL DISC, BRASS HINGE PIN, NBR O-RING & GASKET	NO	ECONOSTO FIGURE 70GY OR EQUAL
V593058	BLACK WATER	1	50	SWING CHECK VALVE		BLACK WATER SHORE DISCH			PN 16	F		FLANGED CAST IRON BODY	STEEL DISC, BRASS HINGE PIN, NBR O-RING & GASKET	NO	ECONOSTO FIGURE 70GY OR EQUAL
V593060	GREY WATER	1	40	FULL BORE BALL VALVE		GREY WATER TANK (7a) DISCH			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593061	GREY WATER	1	50	SCUPPER		DECK DRAIN - TRASH COMPACTOR ROOM						SS		NO	ORDERED IN DOC. 6094-82130-59
V593062	B&G WATER	1	50	SWING CHECK VALVE		GREY WATER SHORE DISCH			PN 16	F		FLANGED CAST IRON BODY	STEEL DISC, BRASS HINGE PIN, NBR O-RING & GASKET	NO	ECONOSTO FIGURE 70GY OR EQUAL
V593064	GREY WATER	1	40	FULL BORE BALL VALVE		GREY WATER TRANSFER TO BLACK WATER TANK 7b			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593065	GREY WATER	1	40	FULL BORE BALL VALVE		GREY WATER TRANSFER PUMP SUCTION			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593066	GREY WATER	1	40	FULL BORE BALL VALVE		GREY WATER TRANSFER PUMP DISCHARGE			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593067	GREY WATER	1	40	3 WAY BALL VALVE		GREY WATER TRANSFER / DISCH								NO	HAMANN SUPPLY
V593068	BLACK WATER	1	50	FULL BORE BALL VALVE		TRANSFER MACERATOR PUMP SUCTION			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593069	BLACK WATER	1	50	FULL BORE BALL VALVE		TRANSFER MACERATOR PUMP DISCHARGE			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593070	GREY WATER	1		3 WAY BALL VALVE		STP BLACK WATER SHORE DISCH								NO	HAMANN SUPPLY
V593071	GREY WATER	1	32	SWING CHECK VALVE		STP O/B DISCHARGE			PN 16	F		FLANGED CAST IRON BODY	STEEL DISC, BRASS HINGE PIN, NBR O-RING & GASKET	NO	ECONOSTO FIGURE 70GY OR EQUAL
V593072	GREY WATER	1	40	SWING CHECK VALVE		STP SLUDGE SHORE DISCHARGE			PN 16	F		FLANGED CAST IRON BODY & BONNET	BRZ SEAT & DISC, BRASS HINGE PIN, CAST IRON HINGE ARM, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL
V593074	SEA WATER	1	20	FULL BORE BALL VALVE		PROCESS WATER SUPPLY			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593075	GREY WATER	1	40	3 WAY BALL VALVE		STP SLUDGE TRANSFER / SHORE DISCH								NO	HAMANN SUPPLY

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION	RECOMMENDED MATERIAL		LRS CERT	REMARKS	
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V593076	SEA WATER	1	20	FULL BORE BALL VALVE		PROCESS WATER PUMP DISCH			PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593077	GREY WATER	1	20	SWING CHECK VALVE		PROCESS WATER PUMP DISCH NON-RETURN			PN 16	F		FLANGED CAST IRON BODY	STEEL DISC, BRASS HINGE PIN, NBR O-RING & GASKET	NO	ECONOSTO FIGURE 70GY OR EQUAL
V593078	GREY/BLACK WATER	1	50	FULL BORE BALL VALVE		VACUUM GEN PUMP DISCHARGE CROSS CONNECTION		N.C.	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593079	GREY/BLACK WATER	1	50	FULL BORE BALL VALVE		VACUUM GEN PUMP SUCTION CROSS-CONNECTION		N.C.	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593080	GREY/BLACK WATER	1	50	FULL BORE BALL VALVE		VACUUM GEN UNIT GREY WATER DISCH		N.C.	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593081	GREY/BLACK WATER	1	50	FULL BORE BALL VALVE		VACUUM GEN UNIT GREY WATER SUCTION		N.C.	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593082	GREY/BLACK WATER	1	50	FULL BORE BALL VALVE		VACUUM GEN UNIT GREY WATER DISCH		N.C.	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593083	GREY/BLACK WATER	1	50	FULL BORE BALL VALVE		VACUUM GEN UNIT BLACK WATER DISCH		N.C.	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593084	GREY/BLACK WATER	1	50	FULL BORE BALL VALVE		VACUUM GEN UNIT BLACK WATER DISCH		N.C.	PN 16	F		FLANGED CAST STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT, STEM SEAL & BODY GASKET, VITON O-RING,	NO	ECONOSTO FIGURE 7343 OR EQUAL
V593085	GREY/BLACK WATER	1	15	BALL VALVE		STP GREY WATER OVERBOARD DISCH TEST DRAIN			1000 PSI WOG	BSP		BSP THREADED, STAINLESS STEEL BODY	SST BALL, STEM & LEVER, PTFE BALL SEAT & STEM SEAL	NO	ECONOSTO FIGURE 7744 OR EQUAL
V593086	GREY WATER	1	50	SWING CHECK VALVE		GALLEY DISCH NON-RETURN			PN 16	F		FLANGED, CAST IRON BODY & BONNET	BRZ SEAT & DISC, BRASS HINGE PIN, CAST IRON HINGE ARM, NOVUS 34 BONNET GASKET	NO	ECONOSTO FIGURE 83BR OR EQUAL ON PIPE 593-164-50-SS
V593087	GREY WATER	1	50	SCUPPER		DECK DRAIN - MAIN DECK WASHROOM SHOWER						SS		NO	ORDERED IN DOC. 6094-82130-59
V593088	GREY WATER	1	50	SCUPPER		DECK DRAIN - BELOW MAIN DECK WASHROOM SHOWER (PS)						SS		NO	ORDERED IN DOC. 6094-82130-59
V593089	GREY WATER	1	50	SCUPPER		DECK DRAIN - BELOW MAIN DECK WASHROOM SHOWER (SB)						SS		NO	ORDERED IN DOC. 6094-82130-59
V593090	GREY WATER	1	50	TANK VENT CHECK VALVE		GREASE TRAP VENT			PN10	F	DIN 2576	A WATER RESISTANT AL	NBR O-RING/18 MESH SS. SCREEN/ POLYETHYLENE BALL	YES	Y&C SUPPLY
V593091	B&G WATER	1	50	STORM VALVE		SEWAGE TREATMENT PLANT - OVERBOARD DISCH			PN 16	F		CAST STEEL BODY & COVER, FLANGED, STRAIGHT	BRONZE DISC & GLAND / BRASS STEM / RUBBER DISC SEAL / CI HND / NON ASB PACKING	YES	CLASS II LR ECONOSTO FIGURE JIS3060H OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
E593059	SEA WATER	1	20	SIMPLEX STRAINER		PROCESS WATER SUPPLY			PN 16	F		FLANGED, CAST IRON BODY & COVER	PERBUNAN COVER O- RING, BRASS AIR RELIEF DEVICE, PERFORATED SST BASKET		ECONOSTO FIGURE 1097OR EQUAL

A=Actuator, HG=Handgear, Pnm=Pneumatic, Hydr=Hydraulic, W=Wrench, Wf=Wafer, WL=Wafer lugs, SC=Swing check, F=Flange, BSP/NPT=Threads, CP=Connecting Piece, CI=Cast Iron, Al=Aluminium, Br=Bronze, DI=Ductile iron, HW=Hand Wheel, SDNR. = Screw down non-return valve; HDG=Hot dip galvanized, NBR=Nitrile Butadiene Rubber, PTFE=Polytetrafluoroethylene, NO= Normal open, NC= Normal closed, STR= Straight, ANG= Angle, ASB= Asbestos, SS= Stainless Steel, CS= Cast Steel, RO=Remote Operated; NRS=Non Rising Stem; BB=Bolted Bonnet; SB=Screwed Bonnet, OS&Y=Outside Screw & Yoke, RHW=Rising Hand Weel.

AF6094-59300-04 BLACK GREY WATER AND SANITARY FLUSHING SYSTEM

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER-	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V593202	OILY WASTE	1	20 (3/4")	SDNR GLOBE VALVE STR		DIRTY OIL & SLUDGE TANK FILL		N.O.	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V593205	OILY WASTE	1	20	3 WAY BALL VALVE - FIRE SAFE		MAIN ENGINE (PS) - DIRTY OIL DISCH			PN16	F		FLANGED 316 STAINLESS STEEL	SST BALL / L-PORT / SST STEM / PTFE SEAT, SEAL & GASKET / VITON O-RING / SST LEVER	NO	ECONOSTO FIGURE 7291L OR EQUAL
V593206	OILY WASTE	1	20	SDNR GLOBE VALVE STR		DIRTY OIL MANUAL TRANSFER PUMP DISCH		SDNR	PN 16	F		FLANGED / BRONZE BODY & SECURED BRONZE BONNET	BRZ DISC & SEAT, BRASS STEM, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 275LK OR EQUAL
V593207	OILY WASTE	1	20	3 WAY BALL VALVE - FIRE SAFE		MAIN ENGINE (SB) - DIRTY OIL DISCH			PN16	F		FLANGED 316 STAINLESS STEEL	SST BALL / L-PORT / SST STEM / PTFE SEAT, SEAL & GASKET / VITON O-RING / SST LEVER	NO	ECONOSTO FIGURE 7291L OR EQUAL
V593208	OILY WASTE	1	20	SDNR GLOBE VALVE STR		DIRTY OIL ELECTRIC TRANSFER PUMP DISCH		SDNR	PN 16	F		FLANGED / BRONZE BODY & SECURED BRONZE BONNET	BRZ DISC & SEAT, BRASS STEM, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 275LK OR EQUAL
V593211	OILY WASTE	1	20 (3/4")	SDNR GLOBE VALVE STR		DIESEL GEN. OIL DRAIN - OIL MANUAL TRANSFER PUMP DISCH			PN16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V593212	OILY WASTE	1	20 (3/4")	GLOBE VALVE STR		DIESEL GENERATOR DRAIN - OIL MANUAL TRANSFER PUMP SUCTION			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V593213	OILY WASTE	1	20 (3/4")	QUICK RELEASE COUPLING		DIESEL GENERATOR'S - DIRTY OIL SUCTION				BSP					TO SUIT HOSE SPECIFICATION, DOC. 6094-82130-49
V593214	OILY WASTE	1	20	SDNR GLOBE VALVE STR		DIRTY OIL & SLUDGE TANK - DISCH TO SHORE		SDNR	PN 16	F		FLANGED / BRONZE BODY & SECURED BRONZE BONNET	BRZ DISC & SEAT, BRASS STEM, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 275LK OR EQUAL
V593215	OILY WASTE	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 593PI201			PN 25	BSP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V593216	OILY WASTE	1	8 (1/4")	PRESSURE GAUGE COCK		PRESSURE INDICATOR 593PI202			PN 25	BSP		BRASS (2 WAY - FxF)	BRASS WITH PHENOLIC HANDLE	NO	ECONOSTO FIGURE 341 OR EQUAL ORDERED IN DOC. 6094-82130-63
V593217	OILY WASTE	1	20	GATE VALVE STR		INTERNATIONAL SHORE CONNECTION		N.C.	PN 16	F		FLANGED / BRONZE BODY & BONNET	BRONZE WEDGE & STEM, NON-ASB GASKET & PACKING, CAST IRON HND WHEEL	NO	ECONOSTO FIGURE 291OR EQUAL
V593218	OILY WASTE	1	20	SDNR GLOBE VALVE STR		OILY WASTE TRANSFER TO BILGE TANK		SDNR	PN 16	F		FLANGED / BRONZE BODY & SECURED BRONZE BONNET	BRZ DISC & SEAT, BRASS STEM, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 275LK OR EQUAL
V593224	OILY WASTE	1	20	GLOBE VALVE STR		DIRTY OIL MANUAL TRANSFER PUMP SUCTION			PN 16	F		FLANGED / BRONZE BODY & SECURED BRONZE BONNET	BRZ DISC & SEAT, BRASS STEM, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 275 OR EQUAL

ID NO.	SERVICE	NO	DIM.	TYPE	ARTICLE	LOCATION	SUPPL.	OPER.	PRESS	CONNECTION		RECOMMENDED MATERIAL		LRS CERT	REMARKS
		OFF	DN		NO.			ACTION	CLASS	Type	Std.	BODY	TRIM	REQ'D	
V593226	OILY WASTE	1	20	GLOBE VALVE STR		DIRTY OIL ELECTRIC TRANSFER PUMP SUCTION			PN 16	F		FLANGED / BRONZE BODY & SECURED BRONZE BONNET	BRZ DISC & SEAT, BRASS STEM, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 275 OR EQUAL
V593230	OILY WASTE	1	20	GLOBE VALVE STR		EMERGENCY DIESEL GENERATOR - DIRTY OIL DISCH			PN 16	F		FLANGED / BRONZE BODY & SECURED BRONZE BONNET	BRZ DISC & SEAT, BRASS STEM, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 275 OR EQUAL
V593231	OILY WASTE	1	20	GLOBE VALVE STR		DIESEL GENERATOR (PS) - DIRTY OIL DISCH			PN 16	F		FLANGED / BRONZE BODY & SECURED BRONZE BONNET	BRZ DISC & SEAT, BRASS STEM, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 275 OR EQUAL
V593232	OILY WASTE	1	20 (3/4")	QUICK RELEASE COUPLING		DIESEL GENERATOR (PS) - DIRTY OIL DISCH				BSP					TO SUIT HOSE SPECIFICATION, DOC. 6094-82130-49
V593233	OILY WASTE	1	20	GLOBE VALVE STR		DIESEL GENERATOR (SB) - DIRTY OIL DISCH			PN 16	F		FLANGED / BRONZE BODY & SECURED BRONZE BONNET	BRZ DISC & SEAT, BRASS STEM, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 275 OR EQUAL
V593234	OILY WASTE	1	20 (3/4")	QUICK RELEASE COUPLING		DIESEL GENERATOR (SB) - DIRTY OIL DISCH				BSP					TO SUIT HOSE SPECIFICATION, DOC. 6094-82130-49
V593239	OILY WASTE	1	20	GLOBE VALVE STR		MAIN ENGINE GEAR BOX (PS) - DIRTY OIL DISCH			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V593240	OILY WASTE	1	20	GLOBE VALVE STR		MAIN ENGINE (PS) - DIRTY OIL DISCH			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V593241	OILY WASTE	1	20	SDNR GLOBE VALVE STR		MAIN ENGINE (PS) - DIRTY OIL DRAIN - PUMP DISCH		SDNR	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL
V593242	OILY WASTE	1	20	GLOBE VALVE STR		MAIN ENGINE GEAR BOX (SB) - DIRTY OIL DISCH			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V593243	OILY WASTE	1	20	GLOBE VALVE STR		MAIN ENGINE (SB) - DIRTY OIL DISCH			PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275 OR EQUAL
V593244	OILY WASTE	1	20	SDNR GLOBE VALVE STR		MAIN ENGINE (SB) - DIRTY OIL DRAIN - PUMP DISCH		SDNR	PN 16	BSP		BSP THREAD, BRONZE BODY & SECURED BONNET	BRZ STEM, DISC & SEAT, NON-ASB PACKING, PTFE BONNET GASKET, CI HND WHEEL	NO	ECONOSTO FIGURE 1275LK OR EQUAL