

ASEMBLY 1 COMPRESSOR

Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
1	10	005-000114	1	EA SER	<p>FRAME: ARIEL RECIPROCATING COMPRESSOR, DOUBLE ACTING, HORIZONTALLY OPPOSED</p> <ul style="list-style-type: none"> - MODEL: KBZ/6 - RATED FRAME BHP: 7800 - RATED FRAME RPM: 1000 - STROKE (IN.): 6.75 - FORCE FEED CYLINDER LUBRICATOR WITH DIVIDER BLOCKS AND NO FLOW SHUTDOWN - MEETS THE REQUIREMENTS OF API 11P WITH ARIEL STANDARD COMMENTS AND EXCEPTIONS - SUBJECT TO ARIEL'S STANDARD COMMENTS AND EXCEPTIONS FOR API 618, PROVIDED UPON REQUEST - 304/304L STAINLESS STEEL TUBING WITH ZINC PLATED STEEL FITTINGS <p>CYLINDERS: DOUBLE ACTING, UNLINED, AND LUBRICATED CYLINDERS</p> <ul style="list-style-type: none"> - (QTY. 2) 24-1/8Z:10, BORE = 24.125, MAWP = 275 PSIG, PVC P & HEVU - (QTY. 2) 14-1/8Z, BORE = 14.125, MAWP = 815 PSIG - (QTY. 1) 12-1/2Z:10, BORE = 12.000, MAWP = 1700 PSIG - (QTY. 1) 10-3/8ZM, BORE = 10.375, MAWP = 1900 PSIG <ul style="list-style-type: none"> - CYLINDER BODIES ARE DUCTILE IRON UNLESS OTHERWISE SPECIFIED - AIR COOLED CYLINDERS, WATER COOLED PACKING NOT REQUIRED ON ANY CYLINDERS - CARBON STEEL, ION NITRIDE PISTON RODS - COMPRESSOR MANUFACTURER'S STANDARD UNWITNESSED CYLINDER HYDROTEST
1	20	008-000065	1	EA	<p>REXNORD AMR-925 FLEXIBLE DISC COUPLING</p> <p>CARBON STEEL HUBS, CAST STEEL CENTER MEMBERS, ALLOY STEEL BOLTS, ESTIMATED WEIGHT = 1,400 LBS.</p> <p>C-DIMENSION = 13.25"</p> <p>COMPRESSOR:</p> <p>ARIEL KBZ/6, RATED HP = 7,800HP, RATED SPEED = 1,000 RPM</p> <p>SHAFT: 8.5" DIAMETER, KEYLESS</p> <p>ELECTRIC MOTOR:</p> <p>GE 5K85121598801, FRAME = 8512Z, POWER = 5,500HP, RATED SPEED = 894 RPM, FIXED SPEED</p> <p>SHAFT: 8.5" DIAMETER, KEYLESS</p>
1	30	044-001365	12	EA	<p>ROTACHOCK ADJUSTABLE MOUNTING CHOCK</p> <p>PART #: RC6CS-TL3.1-ID1.8-ACE</p> <p>MODEL: RC6, CARBON STEEL, TALL LINE MACHINED TO A NOMINAL HEIGHT OF 3.125", ADJUSTABLE RANGE: 2.75" TO 3.48", ENLARGED TO 1.8" ID FOR USE</p> <p>B7 STUD, ANTI-CORROSION ENHANCEMENT TOP COATING</p> <p>TO BE USED ON COMPRESSOR DISTANCE PIECES</p>
1	40	044-001366	1	EA	<p>YAMADA DP SERIES, AIR OPERATED DIAPHRAGM PUMP</p> <p>MODEL: DP-10BAN</p> <p>BALL TYPE VALVE, ALUMINUM BODY, BUNA-N (NBR) DIAPHRAGM MATERIAL, 3/8" FEMALE NPT INTAKE AND DISCHARGE CONNECTIONS, 1/4" NPT AIR INLET CONNECTION, RATED FOR 180°F, AIR SUPPLY PRESSURE: 20-100 PSI</p> <p>DESIGNED FOR 1.5 TO 2 GPM, DISCHARGE PRESURE: 2 PSI</p> <p>**INCLUDE FILTER/REGULATOR 1/4" NPT PORT, US27575</p>
1	50	058-000280	24	EA	<p>KIENE VALVE CAP</p> <p>KIENE MODEL AX-17A</p> <p>POS-I-SEAL VALVE CAP</p> <p>SUITABLE FOR CV-72</p> <p>VALVE CAP MATERIAL: ASTM A108</p> <p>SEALING PLUG MATERIAL: ASTM B16</p> <p>SUITABLE FOR PRESSURES UP TO 4000 PSI</p>

1	60	058-000315	24	EA	KIENE VALVE KIENE MODEL CV-72 1/2IN NPT CARBON STEEL CONSTRUCTION MAXIMUM PRESSURE RATING: 2000 PSIG @ 250°F
1	80	022-000202	48	EA	1-3/4"-8 HEX NUTS, ASTM A-194 2H, STANDARD FINISH
1	90	022-000206	50	EA	WASHER, FLAT, SAE, HARDENED, 1-3/4", MSC PART NUMBER KP47825
1	100	022-000206	150	EA	WASHER, FLAT, SAE, HARDENED, 1-3/4", MSC PART NUMBER KP47825
1	110	125-000006	1	EA	COUPLING GUARD, OSHA COMPLIANT, NON-SPARKING, REMOVABLE, INCLUDES WINDOW OR HINGED INSPECTION OPENING FOR INSPECTION OF FLEXIBLE EXPANDED METAL SIZE TO COMPLY WITH 29CFR 1910.217
ASSEMBLY 1 COMPRESOR - SUBASSEMBLY 11 COMPRESSOR OIL SYSTEM					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
11	10	033-000051	1	EA	HOTSTART CIRCULATING OIL HEATER MODEL: OLE30904-640 480V, 3PH, 60HZ 9kW, 15A OIL HEATER, ADJUSTABLE T-STAT (RANGE: 32-212°F), SET @ 100°F 3 HP, 1750 RPM MOTOR PUMP SIZED FOR 32GPM, PRESSURE RELIEF VALVE SETTING: 75 PSI 1-1/2" FNPT INLET CONNECTION, 1" FNPT OUTLET CONNECTION *CSA - CLASS 1, DIV. 1 & 2, GROUP D
11	20	007-000095	1	EA	THERMAL TRANSFER INDUSTRIAL OIL COOLER SERIES: AOVH MODEL: AOVH-40-1 MAX OPERATING PRESSURE: 300PSI @ 400°F MATERIALS: COPPER TUBES, ALUMINUM FINS, STEEL MANIFOLD AND CONNECTIONS WEIGHT: 350 LBS PROCESS CONNECTIONS: 2" MNPT FAN ROTATION: CLOCKWISE/FACING MOTOR SHAFT SINGLE PASS COOLER 3HP, 460V, 3PH, 60HZ, TEFC MOTOR, NEMA FRAME 182T
11	30	058-000451	1	EA	FPE THREE-WAY, EXPANDING WAX, THERMOSTATIC VALVE MODEL: AF2012-170 CONNECTIONS: 2" 125# FF FLANGE BODY MATERIAL: CAST IRON PRESSURE RATING: 150 PSI PORTS: B = BYPASS (HOT FLUID), C = COOLER, A = EXITING PORT SET OUTLET TEMPERATURE: 170°F
11	40	130-000039	1	EA	LEVEL CONTROLLER KENCO KSHL-9 MODEL: OIL LEVEL CONTROLLER WITH TWO SPDT ELECTRIC SWITCHES IN EXPLOSION PROOF ENCLOSURE FOR LOW AND HIGH LEVEL ALARM! MOUNTING ADAPTORS: UNIVERSAL MOUNTING ADAPTOR INLET OIL PRESSURE: STATIC HEAD PRESSURE < 10 PSIG SEAL OPTION: STANDARD BUNA-N SEALS SIGHT WINDOW OPTION: STANDARD NYLON SIGHT WINDOW CONNECTIONS: 1/2" FNPT INLET, 3/4" FNPT OUTLET SYNTHETIC OIL OPTION: STANDARD MINERAL OIL PRESSURE RATING (SUPPLY): 10 PSIG TEMPERATURE RATING (ELECTRIC SWITCH): 180 °F * PROCESS TEMPERATURE LIMITS (SWITCH): 180 °F * PROCESS PRESSURE LIMITS: 10 PSI * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS

11	50	031-000186	2 EA	<p>TEMPERATURE GAUGE ASHCROFT 50EL60E040 0/250 DIAL SIZE: 5" CASE STYLE: EL STEM CONNECTION: 1/2IN NPT STEM LOCATION: EVERYANGLE STEM LENGTH: 4" RANGE: 0/250 DEG F OPTIONS: NONE * SILICONE LIQUID FILL STANDARD * PROCESS TEMPERATURE LIMITS: 0 - 250 DEG F * PROCESS PRESSURE LIMITS: N/A</p>
11	60	031-000411	1 EA	<p>ASHCROFT THERMOWELL MODEL: 75W0250HT260S 3/4" NPT PROCESS CONNECTION 1/2" NPT GAUGE CONNECTION 2-1/2" U-LENGTH TAPERED SHANK 0.260" DIAMETER BORE 316SS MATERIAL</p>
11	70	031-000412	1 EA	<p>ASHCROFT THERMOWELL MODEL: 50W0250HT260S 1/2" NPT PROCESS CONNECTION 1/2" NPT GAUGE CONNECTION 2-1/2" U-LENGTH TAPERED SHANK 0.260" DIAMETER BORE 316SS MATERIAL</p>
11	80	053-000068	1 EA	<p>PRESSURE TRANSMITTER ROSEMOUNT 2051TG2A2B21AB4E5Q4, 0-150 PSIG TRANSMITTER TYPE: IN-LINE PRESSURE TRANSMITTER MEASUREMENT TYPE: GAUGE PRESSURE RANGE: (-14.7) TO 150 PSI * SCALED: 0 - 150 PSIG, 4-20 MA TRANSMITTER OUTPUT: 4-20 MA WITH DIGITAL SIGNAL BASED ON HART PROTOCOL MATERIALS OF CONSTRUCTION, PROCESS CONNECTION: 1/2-14 NPT FEMALE MATERIALS OF CONSTRUCTION, ISOLATING DIAPHRAGM: 316L SST MATERIALS OF CONSTRUCTION, PROCESS CONNECTION WETTED PARTS MATERIAL: 316L SST MATERIALS OF CONSTRUCTION, SENSOR FILL FLUID: SILICONE MATERIALS OF CONSTRUCTION, HOUSING MATERIAL: ALUMINUM MATERIALS OF CONSTRUCTION, CONDUIT ENTRY SIZE: 1/2-14 NPT OPTIONS, MOUNTING BRACKET: BRACKET FOR 2-IN. PIPE OR PANEL MOUNTING, ALL SST OPTIONS, PRODUCT CERT.: FM EXPLOSION-PROOF, DUST IGNITION-PROOF OPTIONS, CALIBRATION CERTIFICATE: CALIBRATION CERTIFICATE * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS</p>

11	90	031-000161	1 EA	<p>PRESSURE GAUGE ASHCROFT 451279SSL04L160# SIZE: 4-1/2" TYPE: 1279 SYSTEM (SOCKET AND TUBE): 316L CASE DESIGN SOLID FRONT: LIQUID FILLED (GLYCERIN STANDARD, IP65) PROCESS CONNECTION SIZE: 1/2" NPT MALE CONNECTION LOCATION: LOWER OPTIONS (X VARIATIONS): NONE RANGE: 0 / 160 ENGINEERING UNITS: PSI * PROCESS TEMPERATURE LIMITS: 20 - 150 DEG F * PROCESS PRESSURE LIMITS: 240 / 20000 PSI</p>
11	100	058-000132	1 EA	<p>ROSEMOUNT 306 IN-LINE MANIFOLD MODEL: 0306RT22BA11 R - MANUFACTURER: ROSEMOUNT INC. T - MANIFOLD STYLE: THREADED 2 - MANIFOLD TYPE: 2-VALVE 2 - BODY BONNET STEM TIP: SST SST SST 316 SST BA - PROCESS CONNECTION STYLE: 1/2-14 FEMALE ANPT PROCESS CONNECTION FOR INLINE TRANSMITTER 1 - PACKING MATERIAL: PTFE 1 - VALVE SEAT: INTEGRAL</p>
11	110	017-000062	1 EA	<p>TEMPERATURE THERMOCOUPLE JMS 1K1BHU4INSPZZ1 DESCRIPTION: THERMOCOUPLE TYPE: K LIMITS OF ERROR / ELEMENT CONSTRUCTION: STANDARD / SINGLE OUTSIDE DIAMETER: 1/4" CONDUCTOR SIZE (AWG): 16 SHEATH MATERIAL: 304 STAINLESS STEEL MEASURING JUNCTION: UNGROUNDED LENGTH IN INCHES: 4 STD. INDUSTRIAL ATTACHING DEVICE: SPRING LOADED, DOUBLE THREADED PROCESS NPT / CUSTOMER EXTENSION ASSEMBLY: 1/2" LEAD WIRE TYPE AND LENGTH IN INCHES: NO LEAD WIRES ARMOR OR HEAT SHRINK: N/A TYPE OF TRANSITION: NO TRANSITION COLD END TERMINATION: HEADS, EXP. PROOF, ALUMINUM, NEMA 4X, FM, CSA OPTIONS: STAINLESS STEEL TAG WITH MODEL NUMBER * PROCESS TEMPERATURE LIMITS: 1650 DEG F * PROCESS PRESSURE LIMITS: N/A * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS</p>
11	120	017-000252	1 EA	<p>JMS THERMOWELL MODEL: 52AT2BZK1 3/4IN. NPT PROCESS CONNECTION 1/2IN. NPT GAUGE CONNECTION 2-1/2IN. U-LENGTH SHANK STYLE: STEPPED BORE SIZE: 0.260IN. ID MATERIAL: 316 STAINLESS STEEL TAGGING: STAMPED ON WELL</p>

11	130	056-000156	5 EA	<p>BALL VALVE KF MODEL U5006-Q12 1-1/2IN FNPT X 1-1/2IN FNPT THREADED BALL VALVE REDUCED PORT UNIBODY SERIES: HC-730 BODY, BALL AND AND STEM: CARBON STEEL 12L14 SEATS: REINFORCED PTFE ACTUATION: LOCKING HANDLE MAXIMUM DIFFERENTIAL PRESSURE AT 150 DEG F: 1500 PSIG MAXIMUM DIFFERENTIAL PRESSURE AT 350 DEG F: 350 PSIG Cv: 52 FIRE SAFE API-607</p>
11	140	056-000153	1 EA	<p>BALL VALVE KF MODEL U5002-Q12 1/2IN FNPT X 1/2IN FNPT THREADED BALL VALVE FULL PORT UNIBODY SERIES: HC-730 BODY, BALL AND AND STEM: CARBON STEEL 12L14 SEATS: REINFORCED PTFE ACTUATION: LOCKING HANDLE MAXIMUM DIFFERENTIAL PRESSURE AT 150 DEG F: 2000 PSIG MAXIMUM DIFFERENTIAL PRESSURE AT 350 DEG F: 350 PSIG Cv: 7 FIRE SAFE API-607</p>
11	150	134-000056	1 EA	<p>1-1/2IN PISTON CHECK VALVE BONNEY FORGE MODEL 1-1/2IN HL-41-T VALVE SIZE: 1-1/2IN VALVE DESCRIPTION: STANDARD PORT, 800#, BOLTED BONNET VALVE TYPE: PISTON CHECK BODY/BONNET, TRIM MATERIAL: A 105, TRIM F6/HF (API TRIM #8) END CONFIGURATION: THREADED MINIMUM DESIGN PRESS/TEMP: 1975 PSIG @ 100°F MINIMUM DESIGN PRESS/TEMP: 1720 PSIG @ 350°F CV = 12.5</p>
11	160	127-000009	1 EA	<p>WYE STRAINER MUELLER MODEL: 581 1-1/2IN, CLASS 600 1-1/2IN CAST CARBON STEEL THREADED Y-STRAINER WORKING PRESS (NON-SHOCK): 1480 PSI AT (-20) - 100 °F WORKING PRESS (NON-SHOCK): 1015 PSI AT 750 °F MATERIAL BODY: CARBON STEEL ASTM A216 GR. WCB MATERIAL SCREEN: 304 STAINLESS STEEL ASTM A240 SCREEN PERFORATION: 0.062IN MATERIAL GASKET: SPIRAL WOUND GRAPHITE FILLED</p>

11	170	127-000029	1 EA	<p>WYE STRAINER MUELLER MODEL: 581 1IN, CLASS 600 1IN CAST CARBON STEEL THREADED Y-STRAINER, NPT TAPPED BLOW-OFF OUTLET WORKING PRESS (NON-SHOCK): 1480 PSI AT (-20) - 100 °F WORKING PRESS (NON-SHOCK): 1015 PSI AT 750 °F MATERIAL BODY: CARBON STEEL ASTM A216 GR. WCB MATERIAL SCREEN: 304 STAINLESS STEEL ASTM A240 SCREEN PERFORATION: 0.062IN MATERIAL GASKET: SPIRAL WOUND GRAPHITE FILLED *** MINIMUM DESIGN PRESS/TEMP: 100 PSIG AT 200 DEG F ***</p>
11	180	056-000155	3 EA	<p>BALL VALVE KF MODEL U5004-Q12 1IN FNPT X 1IN FNPT THREADED BALL VALVE REDUCED PORT UNIBODY SERIES: HC-730 BODY, BALL AND AND STEM: CARBON STEEL 12L14 SEATS: REINFORCED PTFE ACTUATION: LOCKING HANDLE MAXIMUM DIFFERENTIAL PRESSURE AT 150 DEG F: 2000 PSIG MAXIMUM DIFFERENTIAL PRESSURE AT 350 DEG F: 350 PSIG Cv: 25 FIRE SAFE API-607</p>
11	190	056-000136	1 EA	<p>BALL VALVE KF MODEL U5007-Q12 2IN FNPT X 2IN FNPT THREADED BALL VALVE REDUCED PORT UNIBODY SERIES: HC-730 BODY, BALL AND AND STEM: CARBON STEEL 12L14 SEATS: REINFORCED PTFE ACTUATION: LOCKING HANDLE MAXIMUM DIFFERENTIAL PRESSURE AT 150 DEG F: 1500 PSIG MAXIMUM DIFFERENTIAL PRESSURE AT 350 DEG F: 350 PSIG Cv: 95 FIRE SAFE API-607</p>
11	200	044-001404	1 EA	<p>ARIEL KBZ/6 COMPRESSOR OIL RACK MADE UP OF 2-1/2" X 2-1/2" STEEL ANGEL, 1-5/8" UNISTRUT FABRICATED PER DRAWING 74787, SHEETS 10 AND 11</p>

11	210	031-000418	1	EA	<p>QUEST TEC LEVEL GAUGE 91RL SINGLE SECTION REFLEX, LOW PRESSURE VISIBLE LENGTH: 14.125IN OVERALL LENGTH: 17.75IN CONNECTIONS: END - 1/2IN NPTF DESIGN PRESS AND TEMP: 1900 PSIG @ 100°F GAUGE COCK MODEL: 1S PATTERN: OFFSET BONNET: INTEGRAL GAUGE CONNECTION: RIDGED 1/2IN NPTF VESSEL CONNECTION: 1IN NPTM VENT / DRAIN CONNECTION: 1/2IN NPTF BALL CHECK SHUTOFF: HORIZONTAL UPPER AND LOWER GAUGE COCKS SEATS: INTEGRAL HAND WHEEL WITH STANDARD PITCH THREADS 20 IN. VESSEL CENTER-TO-CENTER CONNECTIONS **DESIGN PRESS AND TEMP: 1700 PSIG @ 400°F</p>
ASSEMBLY 1 COMPRESSOR - SUBASSEMBLY 13 COMPRESSOR CONTROL SYSTEM (SUCTION VALVE UNLOADERS AND PNEUMATICALLY ACTUATED VARIABLE CLEARANCE POCKETS)					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
13	10	053-000069	2	EA	<p>METRIX VIBRATION TRANSMITTER MODEL: ST5484E-123-114-00 FULL SCALE: 0 - 2 IPS MOUNTING: INTEGRAL 1/2" NPT AREA RATING: NON-HAZARDOUS & CSA/NRTL/C CLASS 1, DIV 2, GRPS A, B, C, & D OUTPUT SIGNAL: 4-20 MA CONNECTION: 2-PIN MS CONNECTOR NO FILTER ** FOR USE WITH METRIX 9334-211-0010-0015 CABLE</p>
13	20	053-000070	2	EA	<p>METRIX VIBRATION TRANSMITTER CABLE ASSEMBLY, W/ STAINLESS STEEL ARMOR. MODEL: 9334-211-0010-0015 TWO (2) PIN SOCKET CONNECTOR WITH 7.1 mm DIAMETER, SST ARMORED JACKET WITH CABLE, TWISTED SHIELDED PAIR WIRES WITH 1.5 METERS OF CABL AND 1.0 METERS OF ARMOR LENGTH USED WITH ST5484E-123-114-00 TRANSMITTER</p>
13	30	018-000070	1	EA	<p>LEVEL SWITCH FW MURPHY LS200NDVOR BODY: NICKEL PLATED STEEL FLOAT: 304 STAINLESS STEEL O-RING: VITON PROCESS CONNECTION: 2INNPT DVO VALVE: 3-WAY N.C. WITH MANUAL OPERATOR SUPPLY, SIGNAL OUT AND EXHAUST CONNECTIONS: 1/8" NPT MINIMUM SUPPLY PRESSURE: 30 PSIG FILTER / PRESSURE REGULATOR SET REGULATOR: 0 – 75 PSIG MAXIMUM SUPPLY PRESSURE: 300 PSIG MINIMUM ALLOWABLE SPECIFIC GRAVITY, ZERO FLOAT EXTENSIONS: 0.63 * PROCESS TEMPERATURE LIMITS: (-20) - 300 DEG F * PROCESS PRESSURE LIMITS: 2000 PSI</p>

13	40	131-000108	2	EA	SOLENOID VALVE VERSA VSG-3421-XX-D024 VALVE SERIES: PNEUMATIC SERVICE TO 200 PSI ACTUATING DEVICE, ON LEFT END OF VALVE LOOKING AT INLET: SPRING RETURN ACTUATING DEVICE, ON RIGHT END OF VALVE LOOKING AT INLET: SOLENOID PILOT / 2 POSITION FUNCTIONAL TYPE OF VALVE: THREE WAY VALVE PORT SIZE: 3/8" NPT BODY DETAILS: SIDE PORTED – IN PILOT SPOOL DETAILS: NORMALLY CLOSED OPTIONS / VOLTAGES SUFFIX DETAILS: HAZARDOUS LOCATIONS, UL & CSA COIL CODE, RATING CODE: DIRECT CURRENT (DC) COIL CODE, VOLTAGE: 24 VDC * PROCESS TEMPERATURE LIMITS: 20 - 120 DEG F * PROCESS PRESSURE LIMITS: 175 PSI * PROCESS DIFFERENTIAL PRESSURE LIMITS: 175 PSID * SUITABLE FOR USE IN CLASS I GROUPS A, B, C AND D, DIVISION 2 AREAS
13	50	131-000112	2	EA	SOLENOID VALVE VERSA VXX-4624-XX-D024 VALVE SERIES: PNEUMATIC SERVICE TO 200 PSI DOUBLE SOLENOID/SPRING CENTERED 3-POSITION FUNCTIONAL TYPE OF VALVE: 4 WAY VALVE PORT SIZE: 3/4IN. NPT BODY DETAILS: SIDE PORTED - IN PILOT SPOOL DETAILS: NORMALLY CLOSED OPTIONS / VOLTAGES SUFFIX DETAILS: HAZARDOUS LOCATIONS, UL & CSA COIL CODE, RATING CODE: DIRECT CURRENT (DC) COIL CODE VOLTAGE: 24 VDC *PROCESS TEMPERATURE LIMITS: 20 - 120 DEG F *PROCESS PRESSURE LIMITS: 175 PSI *PROCESS DIFFERENTIAL PRESSURE LIMITS: 175 PSID *SUITABLE FOR USE IN CLASS I GROUPS A, B, C AND D, DIVISION 2 AREAS
13	60	054-000050	2	EA	STAINLESS STEEL POPPET CHECK VALVE, FIXED PRESSURE, 1/2 IN. SWAGelok TUBE FITTING, 10 PSIG (0.69 BAR) CRACKING PRESSURE MAX TEMPERATURE PRESSURE RATING 375°F @ 2185 PSIG /190°C @ 150 BAR
13	70	056-000155	2	EA	BALL VALVE KF MODEL U5004-Q12 1IN FNPT X 1IN FNPT THREADED BALL VALVE REDUCED PORT UNIBODY SERIES: HC-730 BODY, BALL AND AND STEM: CARBON STEEL 12L14 SEATS: REINFORCED PTFE ACTUATION: LOCKING HANDLE MAXIMUM DIFFERENTIAL PRESSURE AT 150 DEG F: 2000 PSIG MAXIMUM DIFFERENTIAL PRESSURE AT 350 DEG F: 350 PSIG Cv: 25 FIRE SAFE API-607
13	80	023-001479	1	EA	FILTER,FIL20D17G,GARDNER DENVER

13	90	031-000162	8 EA	<p>PRESSURE GAUGE ASHCROFT 451279SSL04L200# SIZE: 4-1/2" TYPE: 1279 SYSTEM (SOCKET AND TUBE): 316L CASE DESIGN SOLID FRONT: LIQUID FILLED (GLYCERIN STANDARD, IP65) PROCESS CONNECTION SIZE: 1/2" NPT MALE CONNECTION LOCATION: LOWER OPTIONS (X VARIATIONS): NONE RANGE: 0 / 200 ENGINEERING UNITS: PSI * PROCESS TEMPERATURE LIMITS: 20 - 150 DEG F * PROCESS PRESSURE LIMITS: 300 / 20000 PSI</p>
13	110	058-000132	4 EA	<p>ROSEMOUNT 306 IN-LINE MANIFOLD MODEL: 0306RT22BA11 R - MANUFACTURER: ROSEMOUNT INC. T - MANIFOLD STYLE: THREADED 2 - MANIFOLD TYPE: 2-VALVE 2 - BODY BONNET STEM TIP: SST SST 316 SST BA - PROCESS CONNECTION STYLE: 1/2-14 FEMALE ANPT PROCESS CONNECTION FOR INLINE TRANSMITTER 1 - PACKING MATERIAL: PTFE 1 - VALVE SEAT: INTEGRAL</p>
13	120	058-000602	2 EA	<p>PRESSURE REDUCING REGULATOR FISHER PRESSURE REGULATOR MODEL: 627-491 VALVE SIZE: 1 IN NPT BODY: IRON ORIFICE: 1/4 IN VALVE RANGE: 35 TO 80 PSIG</p>
13	130	058-000605	1 EA	<p>PRESSURE REDUCING REGULATOR FISHER PRESSURE REGULATOR MODEL: 627-491 VALVE SIZE: 1 IN NPT BODY: IRON ORIFICE: 3/8 IN VALVE RANGE: 70 TO 150 PSIG</p>
13	140	058-000603	1 EA	<p>PRESSURE REDUCING REGULATOR FISHER PRESSURE REGULATOR MODEL: 627-1217-29076 VALVE SIZE: 1 IN NPT BODY: IRON ORIFICE: 3/32 IN VALVE RANGE: 35 TO 80 PSIG</p>
13	150	057-000099	3 EA	<p>ASCO SOLENOID VALVE CATALOG NO. EF8210G004-24/DC 2-WAY, BRASS, 1" NPT, NORMALLY CLOSED, 24V, EXPLOSIONPROOF</p>

					BONNEY FORGE GLOBE VALVE VALVE PART NUMBER: 1IN H-31-T VALVE SIZE: 1IN VALVE DESCRIPTION: FULL PORT, CLASS 800#, BOLTED BONNET VALVE TYPE: GLOBE BODY / BONNET, TRIM MATERIAL: A-105, TRIM F6/HF (API TRIM #8) END CONFIGURATION: THREADED RATING: 1975 PSIG @ 100°F SPECIAL REQUIREMENTS: NONE
13	160	058-000604	4	EA	
13	170	027-002471	4	EA	MCMMASTER PART NUMBER 4936K132 3/4" BSPP MALE TO 3/4" NPT FEMALE ADAPTER
13	180	021-000022	4	EA	QUICK EXHAUST,HUMPHREY,QE5
13	190	021-000023	4	EA	BRACKET,QUICK EXHAUST,HUMPHREY,812
13	200	021-000024	4	EA	SILENCER,ALLIED WITAN,0111007 M07
13	210	053-000068	1	EA	PRESSURE TRANSMITTER ROSEMOUNT 2051TG2A2B21AB4E5Q4, 0-150 PSIG TRANSMITTER TYPE: IN-LINE PRESSURE TRANSMITTER MEASUREMENT TYPE: GAUGE PRESSURE RANGE: (-14.7) TO 150 PSI * SCALED: 0 - 150 PSIG, 4-20 MA TRANSMITTER OUTPUT: 4-20 MA WITH DIGITAL SIGNAL BASED ON HART PROTOCOL MATERIALS OF CONSTRUCTION, PROCESS CONNECTION: 1/2-14 NPT FEMALE MATERIALS OF CONSTRUCTION, ISOLATING DIAPHRAGM: 316L SST MATERIALS OF CONSTRUCTION, PROCESS CONNECTION WETTED PARTS MATERIAL: 316L SST MATERIALS OF CONSTRUCTION, SENSOR FILL FLUID: SILICONE MATERIALS OF CONSTRUCTION, HOUSING MATERIAL: ALUMINUM MATERIALS OF CONSTRUCTION, CONDUIT ENTRY SIZE: 1/2-14 NPT OPTIONS, MOUNTING BRACKET: BRACKET FOR 2-IN. PIPE OR PANEL MOUNTING, ALL SST OPTIONS, PRODUCT CERT.: FM EXPLOSION-PROOF, DUST IGNITION-PROOF OPTIONS, CALIBRATION CERTIFICATE: CALIBRATION CERTIFICATE * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS
13	220	027-002472	4	EA	VENT,BREATHER,1IN NPT, GRAINGER 1EJU1
13	380	047-000643	1	FT	STEEL BAR
13	390	047-000644	1	FT	STEEL CHANNEL
13	400	027-002475-01	1	EA	PIPE FITTING CROSS NPT 1IN 3000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
13	410	043-000052-01	25	FT	PIPE, 1IN, S/80 (0.179" W.), SA-106B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
13	420	043-000661-01	3	EA	PIPE NIPPLE, NPT, 1/2IN X 4IN SCH. 80 (0.147IN W.) - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
13	430	043-000662-01	6	EA	PIPE NIPPLE, NPT, 1/2IN X 3IN SCH. 80 (0.147IN W.) - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
13	440	043-000663-01	33	EA	PIPE NIPPLE, NPT, 1IN X 3IN SCH. 80 (0.179IN W.) - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
13	450	043-000664-01	1	EA	PIPE NIPPLE, NPT, 1IN X 5IN SCH. 80 (0.179IN W.) - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
13	460	043-000665-01	9	EA	PIPE NIPPLE, NPT, 1IN X 6IN SCH. 80 (0.179IN W.) - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
13	470	043-000666-01	9	EA	PIPE NIPPLE, NPT, 1IN X 4IN SCH. 80 (0.179IN W.) - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN

13	480	027-002476-01	17	EA	PIPE FITTING, UNION, THREADED, 1IN 3000#, SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FI AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
13	490	027-002477-01	12	EA	1IN X 1/2IN NPT RED. BUSHING - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SW PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
13	500	027-002478-01	1	EA	PIPE FITTING COUPLING NPT 1IN 3000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANC SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
13	510	027-001655-01	15	EA	PIPE FITTING TEE NPT 1IN 3000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUS SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
13	520	027-000976-01	14	EA	PIPE FITTING 90 DEG ELBOW (FORGED) NPT 1IN 3000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GE FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
13	530	027-002479-01	3	EA	PIPE FITTING COUPLING NPT 1/2IN 3000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRAI AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN

ASSEMBLY 1 COMPRESSOR - SUBASSEMBLY 14 COMPRESSOR SPARES

Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
14	10	030-001131	2	EA	GASKET,ARIEL,A-2713
14	15	023-000541	1	EA	FILTER SPIN-ON ELEMENT LUBE OIL
14	20	023-000544	1	EA	FILTER ELEMENT KIT Z:U4:6KBB
14	30	030-000334	4	EA	O-RING VT 7.145IN O.D. X 0.210IN VALVE COVER O-RING
14	40	030-000391	4	EA	GASKET SPIRAL WOUND 11" OD
14	50	030-000422	1	EA	O-RING NBR 70-DURO CRANK CASE COVER O-RING
14	60	030-000460	4	EA	ORING VT 7.645IN OD X 0.210IN VALVE COVER O-RING
14	70	030-000461	4	EA	GASKET STL 7.596IN X 7.408IN X 30 VALVE SEAT GASKET
14	80	030-000491	1	EA	O-RING VT 6.262IN O.D. X 0.139IN VALVE COVER O-RING
14	90	030-000492	1	EA	STEEL GASKET 6.225IN X 5.907IN X30 VALVE SEAT GASKET
14	100	030-000532	3	EA	GASKET RETAINER 15.5X21.125X1/32 DISTANCE PIECE COVER GASKET
14	110	030-000533	6	EA	GASKET RET 9.75 X15.5 X 1/32 DISTANCE PIECE COVER GASKET
14	120	030-000699	2	EA	O-RING VT 7.012 O.D. X .139 VALVE COVER O-RING
14	130	030-000876	4	EA	GASKET, STEEL 6.986 X 6.783IN X30 VALVE SEAT GASKET
14	140	030-001123	2	EA	STEEL GASKET, 6.976 X 6.538 X60 VALVE SEAT GASKET
14	150	030-000806	8	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 8IN 900# FLANGE, 304SS
14	160	030-000963	8	EA	10IN 400#, 1/8IN THICK, CG STYLE, SPIRAL WOUND GASKET, 304SS

ASSEMBLY 2 DRIVER MOTOR

Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
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					GE ELECTRIC MOTOR - 5500 HP @ 900 RPM - 8 POLE, 6600V, 60 HZ, 3PH - TYPE K, HORIZONTAL MOUNTING - 8512 FRAME, WP11 ENCLOSURE - 1.15 SERVICE FACTOR - CLASS F INSULATION - ALTITUDE = 5100 FT. - SLEEVE BEARING, SELF COOLED WITH OIL RING LUBRICATION - CW ROTATION FROM ODE - SOLID STATE SOFT START - KEYLESS SHAFT, 4140 SHAFT MATERIAL, 8.5" MINIMUM SHAFT DIAMETER - RATED FOR CLASS 1, DIV. 2 AREA CLASSIFICATION, T3 TEMPERATURE, MECHANICAL PROTECTION NON-SPARKING - MAIN BEARING RTDS & MOTOR STATOR RTDS (2 PER PHASE) - SPACE HEATER RATED FOR 240V, OPERATED @ 120V - NEMA ROUTINE, NON-WITNESSED, TEST
2	20	037-000105	1	EA SER	
					ROTACHOCK ADJUSTABLE MOUNTING CHOCK PART #: RC6CS-TL3.1-ACE MODEL: RC6, CARBON STEEL, TALL LINE MACHINED TO A NOMINAL HEIGHT OF 3.125", ADJUSTABLE RANGE: 2.75" TO 3.48", FOR USE WITH 1-1/2" B7 STUD, CORROSION ENHANCEMENT TOP COATING TO BE USED FOR COMPRESSOR MOUNTING
2	30	037-000117	6	EA	
2	40	022-000207	12	EA	WASHER, FLAT, SAE, HARDENED, 1-1/2" MSC PART NUMBER 99752
ASSEMBLY 2 DRIVER MOTOR - SUBASSEMBLY 16 DRIVER CONTROL SYSTEM					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
					METRIX VIBRATION TRANSMITTER MODEL: ST5484E-123-014-00 FULL SCALE: 0 - 2 IPS MOUNTING: INTEGRAL 1/4" NPT AREA RATING: NON-HAZARDOUS & CSA/NRTL/C CLASS 1, DIV 2, GRPS A, B, C, & D OUTPUT SIGNAL: 4-20 MA CONNECTION: 2-PIN MS CONNECTOR NO FILTER ** FOR USE WITH METRIX 9334-211-0010-0015 CABLE
16	10	053-000071	2	EA	
					METRIX VIBRATION TRANSMITTER CABLE ASSEMBLY, W/ STAINLESS STEEL ARMOR. MODEL: 9334-211-0010-0015 TWO (2) PIN SOCKET CONNECTOR WITH 7.1 mm DIAMETER, SST ARMORED JACKET WITH CABLE, TWISTED SHIELDED PAIR WIRES WITH 1.5 METERS OF CABL AND 1.0 METERS OF ARMOR LENGTH USED WITH ST5484E-123-114-00 TRANSMITTER
16	20	053-000070	2	EA	
ASSEMBLY 3 COOLER					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc

					<p>AIR-X-CHANGERS PROCESS GAS COOLER PROCESS GAS SECTIONS -FOUR SETS OF AUTOMATIC DISCHARGE LOUVERS WITH GARZO PIVOT MOUNTS (TIC BY OTHERS) -SA214 WELDED STEEL TUBES -1/8" CORROSION ALLOWANCE -SPOT RT EXAMINED HEADERS -1" NPT THERMOWELL CONNECTION OPPOSITE OUTLET NOZZLES -ASME CODE STAMP WITH NATIONAL BOARD REGISTRATION -ACCEPTANCE OF PROPOSAL PERMITS THE PAINTING OR COATING OF HEADER WELDS PRIOR TO PRESSURE TESTING AND LEAK TESTING OF PRESSURE-RETAINING AFTER PAINTING OR COATING; REFERENCE PARAGRAPH UG-99(K)(1) AND (2) OF ASME SECTION VIII, DIVISION 1</p> <p>COOLER SCOPE -V-BELT DRIVE BY (2) 50HP, 1800 RPM, 460/3/60, TEFC VFD COMP MOTORS W/ SPACE HEATERS -REMOTE FAN BEARING LUBRICATION LINES -MURPHY VS2EX VIBRATION SWITCH EACH DRIVE -HAIL GUARDS MOUNTED INTEGRAL TO LOUVER FRAME -AXC STANDARD ENAMEL PAINT WITH TINT TO MATCH AS REQUIRED ** ADDER FOR FULL WARM AIR RE-CIRCULATION SYSTEM, AUTOMATIC TOP, ROLL, END AND SIDE INTAKE LOUVER BY GARZO ACTUATORS (TIC BY OTHERS), HAIL GUARDS MOUNTED INTEGRAL TO TOP LOUVER FRAMES</p>
3	10	007-000076	1	EA SER	
ASSEMBLY 3 COOLER - SUBASSEMBLY 19 COOLER CONTROL					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
19	10	053-000112	1	EA	<p>TEMPERATURE TRANSMITTER, LOUVER CONTROL MAKE: ROSEMOUNT MODEL: 3144PD1A1E5B4XA 3144P TEMPERATURE TRANSMITTER D1 - FIELD MOUNT, DUAL-COMPARTMENT HOUSING ALUMINUM ½-14 NPT A - 4-20 MA WITH DIGITAL SIGNAL BASED ON HART PROTOCOL 1 - SINGLE SENSOR E5 - FM EXPLOSION-PROOF, DUST IGNITION-PROOF AND NONINCENDIVE APPROVAL B4 - MOUNTING BRACKET - "U" MOUNTING BRACKET FOR 2-INCH PIPE MOUNTING - ALL SST XA - SENSOR SPECIFIED SEPARATELY AND ASSEMBLED TO TRANSMITTER</p> <p>THERMOCOUPLE TEMPERATURE SENSOR MODEL: 214CTKSMT2SUE0093SLESXAXW TK - SENSOR TYPE: TYPE K THERMOCOUPLE, -40 TO 2192°F SM - SENSOR SHEATH MATERIAL: 321 SST T2 - SENSOR ACCURACY: CLASS 2 PER IEC 60584 SU - SENSOR WIRE CONFIG: SINGLE, UNGROUNDED E - DIMENSION UNITS: US CUSTOMARY 0093 - SENSOR INSERTION LENGTH (L) 9.25" SL - SENSOR MOUNTING STYLE: SPRING LOADED E5 - USA EXPLOSIONPROOF XA - ASSEMBLY OF SENSOR TO TRANSMITTER, TORQUED XW - ASSEMBLY OF SENSOR TO T-WELL, TORQUED</p> <p>THERMOWELL MODEL: 114CE0075TAB2SC017BXW E - ENGLISH UNITS</p>

19	20	053-000113	3 EA	<p>TEMPERATURE TRANSMITTER, LOUVER CONTROL MAKE: ROSEMOUNT MODEL: 3144PD1A1E5B4XA 3144P TEMPERATURE TRANSMITTER D1 - FIELD MOUNT, DUAL-COMPARTMENT HOUSING ALUMINUM ½-14 NPT A - 4-20 MA WITH DIGITAL SIGNAL BASED ON HART PROTOCOL 1 - SINGLE SENSOR E5 - FM EXPLOSION-PROOF, DUST IGNITION-PROOF AND NONINCENDIVE APPROVAL B4 - MOUNTING BRACKET - "U" MOUNTING BRACKET FOR 2-INCH PIPE MOUNTING - ALL SST XA - SENSOR SPECIFIED SEPARATELY AND ASSEMBLED TO TRANSMITTER</p> <p>THERMOCOUPLE TEMPERATURE SENSOR MODEL: 214CTKSMT2SUE0063SLE5XAXW TK - SENSOR TYPE: TYPE K THERMOCOUPLE, -40 TO 2192°F SM - SENSOR SHEATH MATERIAL: 321 SST T2 - SENSOR ACCURACY: CLASS 2 PER IEC 60584 SU - SENSOR WIRE CONFIG: SINGLE, UNGROUNDED E - DIMENSION UNITS: US CUSTOMARY 0063 - SENSOR INSERTION LENGTH (L) 6.25" SL - SENSOR MOUNTING STYLE: SPRING LOADED E5 - USA EXPLOSIONPROOF XA - ASSEMBLY OF SENSOR TO TRANSMITTER, TORQUED XW - ASSEMBLY OF SENSOR TO T-WELL, TORQUED</p> <p>THERMOWELL MODEL: 114CE0045TAB2SC017BXW E - ENGLISH UNITS</p>
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					<p>TEMPERATURE TRANSMITTER, LOUVER CONTROL MAKE: ROSEMOUNT MODEL: 3144PD1A1E5B4XA 3144P TEMPERATURE TRANSMITTER D1 - FIELD MOUNT, DUAL-COMPARTMENT HOUSING ALUMINUM ½-14 NPT A - 4-20 MA WITH DIGITAL SIGNAL BASED ON HART PROTOCOL 1 - SINGLE SENSOR E5 - FM EXPLOSION-PROOF, DUST IGNITION-PROOF AND NONINCENDIVE APPROVAL B4 - MOUNTING BRACKET - "U" MOUNTING BRACKET FOR 2-INCH PIPE MOUNTING - ALL SST XA - SENSOR SPECIFIED SEPARATELY AND ASSEMBLED TO TRANSMITTER</p> <p>THERMOCOUPLE TEMPERATURE SENSOR MODEL: 214CTKSMT2SUE0093SLE5XAXW TK - SENSOR TYPE: TYPE K THERMOCOUPLE, -40 TO 2192°F SM - SENSOR SHEATH MATERIAL: 321 SST T2 - SENSOR ACCURACY: CLASS 2 PER IEC 60584 SU - SENSOR WIRE CONFIG: SINGLE, UNGROUNDED E - DIMENSION UNITS: US CUSTOMARY 0093 - SENSOR INSERTION LENGTH (L) 9.25" SL - SENSOR MOUNTING STYLE: SPRING LOADED E5 - USA EXPLOSIONPROOF XA - ASSEMBLY OF SENSOR TO TRANSMITTER, TORQUED XW - ASSEMBLY OF SENSOR TO T-WELL, TORQUED</p> <p>THERMOWELL MODEL: 114CE0075TAC2SC017BXW E - ENGLISH UNITS</p>
19	30	053-000114	1	EA	
19	40	048-000046	5	EA	<p>FISHER CONTROLS MODEL FS-67CFR-237 PRESSURE REGULATOR. SIZE 1/4" NPT INSTRUMENT AIR SUPPLY REGULATOR. 0-20 PSIG RANGE</p>
19	50	058-000527	5	EA	<p>I2P TRANSDUCER FISHER FS I2P-3B INPUT SIGNAL: 4-20 MA OUTPUT SIGNAL 3 TO 15 PSI RECOMMENDED SUPPLY PRESSURE: 20 PSI MAXIMUM SUPPLY PRESSURE: 50 PSIG SUPPLY MEDIUM: AIR OR NON-CORROSIVE NATURAL GAS OPERATING AMBIENT TEMPERATURE LIMITS: -40 TO 185 F FM - INTRINSICALLY SAFE, EXPLOSION PROOF, TYPE N, NON-INCENDIVE, DUST PROOF IGNITION * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS</p>
ASSEMBLY 4 SKID					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
4	10	032-001885	10	EA	MCMASTER PART NUMBER 94475A295, VIBRATION RESISTANT STUD ANCHOR FOR CONCRETE, 5/8IN-11 X 7IN LONG, ZINC PLATED STEEL
ASSEMBLY 4 SKID - SUBASSEMBLY 22 SKID MAIN					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc

22	10	124-000007	1	EA	FABRICATED SKID ASSEMBLY, MAIN SKID MADE WITH W12X50 (SA-36) BEAM, MOTOR AND COMPRESSOR PEDESTAL MADE WITH W36X135 (SA-36) BEAM INCLUDE COMPRESSOR GROUT DAMS (DWG 53163), STEEL PLATES FOR SUCTION SCRUBBERS, LIFTING LUGS AND JACKING BOLTS, INCLUDE REBAR FOR CON AREAS * DO NOT INCLUDE COMPRESSOR SOLE PLATES AND SHIMS IN ORDER * SKID TO BE PAINTED IN ACCORDANCE WITH UEC TYPE 4 PAINT SYSTEM AND FINAL COLOR IS CARLSBAD CANYON TAN (2.5Y 6/2) BUILT IN ACCORDANCE WITH DRAWING 31640, REVISION B
22	20	044-001364	1	EA	ARIEL KBZ/6 COMPRESSOR FRAME SOLE PLATES AND SHIMS SOLE PLATE A: 1-1/2" THICK X 7-15/16" WIDE X 60-1/8" LONG, A36 SOLE PLATE B: 1-1/2" THICK X 7-15/16" WIDE X 69-1/8" LONG, A36 SHIM PLATE A: 010G THICK X 7-15/16" WIDE X 57-1/8" LONG, A569 SHIM PLATE B: 010G THICK X 7-15/16" WIDE X 66-1/8" LONG, A569 ** REFERENCE DRAWING 53196, REVISION A FOR DETAILS
ASSEMBLY 5 INSTRUMENTATION					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
5	10	053-000072	3	EA	PRESSURE TRANSMITTER ROSEMOUNT 2051TG3A2B21AB4E5S5Q4, 0-400 PSIG TRANSMITTER TYPE: IN-LINE PRESSURE TRANSMITTER MEASUREMENT TYPE: GAUGE PRESSURE RANGE: -14.7 TO 800 PSI (-1,0 TO 55 BAR) * CALIBRATED RANGE: 0 – 400 PSIG TRANSMITTER OUTPUT: 4-20 MA WITH DIGITAL SIGNAL BASED ON HART PROTOCOL PROCESS CONNECTION STYLE: 1/2-14 NPT FEMALE ISOLATING DIAPHRAGM: 316L SST SENSOR FILL FLUID: SILICONE HOUSING MATERIAL CONDUIT ENTRY SIZE: ALUMINUM 1/2-14 NPT MOUNTING BRACKET: BRACKET FOR 2-IN. PIPE OR PANEL MOUNTING, ALL SST PRODUCT CERTIFICATIONS: FM EXPLOSION-PROOF, DUST IGNITION-PROOF MANIFOLD ASSEMBLY: ASSEMBLE TO ROSEMOUNT 306 INTEGRAL MANIFOLD CALIBRATION CERTIFICATION: CALIBRATION CERTIFICATE * PROCESS TEMPERATURE LIMITS: (-40) - 250 °F * PROCESS PRESSURE LIMITS: 1600 PSI * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS
5	20	053-000073	2	EA	PRESSURE TRANSMITTER ROSEMOUNT 2051TG3A2B21AB4E5S5Q4, 0-800 TRANSMITTER TYPE: IN-LINE PRESSURE TRANSMITTER MEASUREMENT TYPE: GAUGE PRESSURE RANGE: -14.7 TO 800 PSI (-1,0 TO 55 BAR) * CALIBRATED RANGE: 0 – 800 PSIG TRANSMITTER OUTPUT: 4-20 MA WITH DIGITAL SIGNAL BASED ON HART PROTOCOL PROCESS CONNECTION STYLE: 1/2-14 NPT FEMALE ISOLATING DIAPHRAGM: 316L SST SENSOR FILL FLUID: SILICONE HOUSING MATERIAL CONDUIT ENTRY SIZE: ALUMINUM 1/2-14 NPT MOUNTING BRACKET: BRACKET FOR 2-IN. PIPE OR PANEL MOUNTING, ALL SST PRODUCT CERTIFICATIONS: FM EXPLOSION-PROOF, DUST IGNITION-PROOF MANIFOLD ASSEMBLY: ASSEMBLE TO ROSEMOUNT 306 INTEGRAL MANIFOLD CALIBRATION CERTIFICATION: CALIBRATION CERTIFICATE * CALIBRATED RANGE: 0 – 800 PSIG * PROCESS TEMPERATURE LIMITS: (-40) - 250 °F * PROCESS PRESSURE LIMITS: 1600 PSI * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS

5	30	053-000074	3 EA	<p>PRESSURE TRANSMITTER ROSEMOUNT 2051TG4A2B21AB4E5S5Q4, 0-2000 TRANSMITTER TYPE: IN-LINE PRESSURE TRANSMITTER MEASUREMENT TYPE: GAUGE PRESSURE RANGE: -14.7 TO 4000 PSI (-1,0 TO 276 BAR) * CALIBRATED RANGE: 0 – 2000 PSIG TRANSMITTER OUTPUT: 4-20 MA WITH DIGITAL SIGNAL BASED ON HART PROTOCOL PROCESS CONNECTION STYLE: 1/2-14 NPT FEMALE ISOLATING DIAPHRAGM: 316L SST SENSOR FILL FLUID: SILICONE HOUSING MATERIAL CONDUIT ENTRY SIZE: ALUMINUM 1/2-14 NPT MOUNTING BRACKET: BRACKET FOR 2-IN. PIPE OR PANEL MOUNTING, ALL SST PRODUCT CERTIFICATIONS: FM EXPLOSION-PROOF, DUST IGNITION-PROOF MANIFOLD ASSEMBLY: ASSEMBLE TO ROSEMOUNT 306 INTEGRAL MANIFOLD Q4 - CALIBRATION CERTIFICATION: CALIBRATION CERTIFICATE * PROCESS TEMPERATURE LIMITS: (-40) - 250 °F * PROCESS PRESSURE LIMITS: 6000 PSI * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS</p>
5	40	058-000132	8 EA	<p>ROSEMOUNT 306 IN-LINE MANIFOLD MODEL: 0306RT22BA11 R - MANUFACTURER: ROSEMOUNT INC. T - MANIFOLD STYLE: THREADED 2 - MANIFOLD TYPE: 2-VALVE 2 - BODY BONNET STEM TIP: SST SST SST 316 SST BA - PROCESS CONNECTION STYLE: 1/2-14 FEMALE ANPT PROCESS CONNECTION FOR INLINE TRANSMITTER 1 - PACKING MATERIAL: PTFE 1 - VALVE SEAT: INTEGRAL</p>
5	50	053-000068	1 EA	<p>PRESSURE TRANSMITTER ROSEMOUNT 2051TG2A2B21AB4E5Q4, 0–150 PSIG TRANSMITTER TYPE: IN-LINE PRESSURE TRANSMITTER MEASUREMENT TYPE: GAUGE PRESSURE RANGE: (-14.7) TO 150 PSI * SCALED: 0 – 150 PSIG, 4-20 MA TRANSMITTER OUTPUT: 4-20 MA WITH DIGITAL SIGNAL BASED ON HART PROTOCOL MATERIALS OF CONSTRUCTION, PROCESS CONNECTION: 1/2-14 NPT FEMALE MATERIALS OF CONSTRUCTION, ISOLATING DIAPHRAGM: 316L SST MATERIALS OF CONSTRUCTION, PROCESS CONNECTION WETTED PARTS MATERIAL: 316L SST MATERIALS OF CONSTRUCTION, SENSOR FILL FLUID: SILICONE MATERIALS OF CONSTRUCTION, HOUSING MATERIAL: ALUMINUM MATERIALS OF CONSTRUCTION, CONDUIT ENTRY SIZE: 1/2-14 NPT OPTIONS, MOUNTING BRACKET: BRACKET FOR 2-IN. PIPE OR PANEL MOUNTING, ALL SST OPTIONS, PRODUCT CERT.: FM EXPLOSION-PROOF, DUST IGNITION-PROOF OPTIONS, CALIBRATION CERTIFICATE: CALIBRATION CERTIFICATE * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS</p>

5	60	031-000162	1 EA	<p>PRESSURE GAUGE ASHCROFT 451279SSL04L200# SIZE: 4-1/2" TYPE: 1279 SYSTEM (SOCKET AND TUBE): 316L CASE DESIGN SOLID FRONT: LIQUID FILLED (GLYCERIN STANDARD, IP65) PROCESS CONNECTION SIZE: 1/2" NPT MALE CONNECTION LOCATION: LOWER OPTIONS (X VARIATIONS): NONE RANGE: 0 / 200 ENGINEERING UNITS: PSI * PROCESS TEMPERATURE LIMITS: 20 - 150 DEG F * PROCESS PRESSURE LIMITS: 300 / 20000 PSI</p>
5	70	031-000167	2 EA	<p>PRESSURE GAUGE ASHCROFT 451279SSL04L400# SIZE: 4-1/2" TYPE: 1279 SYSTEM (SOCKET AND TUBE): 316L CASE DESIGN SOLID FRONT: LIQUID FILLED (GLYCERIN STANDARD, IP65) PROCESS CONNECTION SIZE: 1/2" NPT MALE CONNECTION LOCATION: LOWER OPTIONS (X VARIATIONS): NONE RANGE: 0 / 400 ENGINEERING UNITS: PSI * PROCESS TEMPERATURE LIMITS: 20 - 150 DEG F * PROCESS PRESSURE LIMITS: 600 / 20000 PSI</p>
5	80	031-000172	2 EA	<p>PRESSURE GAUGE ASHCROFT 451279SSL04L800# SIZE: 4-1/2" TYPE: 1279 SYSTEM (SOCKET AND TUBE): 316L CASE DESIGN SOLID FRONT: LIQUID FILLED (GLYCERIN STANDARD, IP65) PROCESS CONNECTION SIZE: 1/2" NPT MALE CONNECTION LOCATION: LOWER OPTIONS (X VARIATIONS): NONE RANGE: 0 / 800 ENGINEERING UNITS: PSI * PROCESS TEMPERATURE LIMITS: 20 - 150 DEG F * PROCESS PRESSURE LIMITS: 1200 / 20000 PSI</p>

5	90	031-000160	2 EA	<p>PRESSURE GAUGE ASHCROFT 451279SSL04L1500# SIZE: 4-1/2" TYPE: 1279 SYSTEM (SOCKET AND TUBE): 316L CASE DESIGN SOLID FRONT: LIQUID FILLED (GLYCERIN STANDARD, IP65) PROCESS CONNECTION SIZE: 1/2" NPT MALE CONNECTION LOCATION: LOWER OPTIONS (X VARIATIONS): NONE RANGE: 0 / 1500 ENGINEERING UNITS: PSI * PROCESS TEMPERATURE LIMITS: 20 - 150 DEG F * PROCESS PRESSURE LIMITS: 2250 / 20000 PSI</p>
5	100	031-000163	1 EA	<p>PRESSURE GAUGE ASHCROFT 451279SSL04L2000# SIZE: 4-1/2" TYPE: 1279 SYSTEM (SOCKET AND TUBE): 316L CASE DESIGN SOLID FRONT: LIQUID FILLED (GLYCERIN STANDARD, IP65) PROCESS CONNECTION SIZE: 1/2" NPT MALE CONNECTION LOCATION: LOWER OPTIONS (X VARIATIONS): NONE RANGE: 0 / 2000 ENGINEERING UNITS: PSI * PROCESS TEMPERATURE LIMITS: 20 - 150 DEG F * PROCESS PRESSURE LIMITS: 3000 / 20000 PSI</p>
5	110	017-000063	4 EA	<p>TEMPERATURE THERMOCOUPLE JMS 1K1BHU6INSPZZI1 DESCRIPTION: THERMOCOUPLE TYPE: K LIMITS OF ERROR / ELEMENT CONSTRUCTION: STANDARD / SINGLE OUTSIDE DIAMETER: 1/4" CONDUCTOR SIZE (AWG): 16 SHEATH MATERIAL: 304 STAINLESS STEEL MEASURING JUNCTION: UNGROUNDED LENGTH IN INCHES: 6 STD. INDUSTRIAL ATTACHING DEVICE: SPRING LOADED, DOUBLE THREADED PROCESS NPT / CUSTOMER EXTENSION ASSEMBLY: 1/2" LEAD WIRE TYPE AND LENGTH IN INCHES: NO LEAD WIRES ARMOR OR HEAT SHRINK: N/A TYPE OF TRANSITION: NO TRANSITION COLD END TERMINATION: HEADS, EXP. PROOF, ALUMINUM, NEMA 4X, FM, CSA OPTIONS: STAINLESS STEEL TAG WITH MODEL NUMBER * PROCESS TEMPERATURE LIMITS: 1650 DEG F * PROCESS PRESSURE LIMITS: N/A * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS</p>

5	120	017-000064	2 EA	<p>TEMPERATURE THERMOCOUPLE JMS 1K1BHU9INSPZZ1 DESCRIPTION: THERMOCOUPLE TYPE: K LIMITS OF ERROR / ELEMENT CONSTRUCTION: STANDARD / SINGLE OUTSIDE DIAMETER: 1/4" CONDUCTOR SIZE (AWG): 16 SHEATH MATERIAL: 304 STAINLESS STEEL MEASURING JUNCTION: UNGROUNDED LENGTH IN INCHES: 9 STD. INDUSTRIAL ATTACHING DEVICE: SPRING LOADED, DOUBLE THREADED PROCESS NPT / CUSTOMER EXTENSION ASSEMBLY: 1/2" LEAD WIRE TYPE AND LENGTH IN INCHES: NO LEAD WIRES ARMOR OR HEAT SHRINK: N/A TYPE OF TRANSITION: NO TRANSITION COLD END TERMINATION: HEADS, EXP. PROOF, ALUMINUM, NEMA 4X, FM, CSA OPTIONS: STAINLESS STEEL TAG WITH MODEL NUMBER * PROCESS TEMPERATURE LIMITS: 1650 DEG F * PROCESS PRESSURE LIMITS: N/A * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS</p>
5	130	031-000203	1 EA	<p>TEMPERATURE GAUGE ASHCROFT 50EL60E090 0/200 DIAL SIZE: 5" CASE STYLE: EL STEM CONNECTION: 1/2IN NPT STEM LOCATION: EVERYANGLE STEM LENGTH: 9" RANGE: 0/200 DEG F OPTIONS: NONE * SILICONE LIQUID FILL STANDARD * PROCESS TEMPERATURE LIMITS: 0 - 200 DEG F * PROCESS PRESSURE LIMITS: N/A</p>
5	140	031-000413	6 EA	<p>ASHCROFT THERMOWELL MODEL: 75W0750HT260S 3/4 IN. NPT PROCESS CONNECTION 1/2 IN. NPT GAUGE CONNECTION 7-1/2 IN. U-LENGTH TAPERED SHANK 0.260 IN. DIAMETER BORE 316SS MATERIAL</p>

5	150	031-000199	4 EA	<p>TEMPERATURE GAUGE ASHCROFT 50EL60E060 50/550 DIAL SIZE: 5" CASE STYLE: EL STEM CONNECTION: 1/2IN NPT STEM LOCATION: EVERYANGLE STEM LENGTH: 6" RANGE: 50/550 DEG F OPTIONS: NONE * SILICONE LIQUID FILL STANDARD * PROCESS TEMPERATURE LIMITS: 50 - 550 DEG F * PROCESS PRESSURE LIMITS: N/A</p>
5	160	031-000414	4 EA	<p>ASHCROFT THERMOWELL MODEL: 75W0450HT260S 3/4 IN. NPT PROCESS CONNECTION 1/2 IN. NPT GAUGE CONNECTION 4-1/2 IN. U-LENGTH TAPERED SHANK 0.260 IN. DIAMETER BORE 316SS MATERIAL</p>
5	170	031-000207	3 EA	<p>TEMPERATURE GAUGE ASHCROFT 50EL60E090 50/300 DIAL SIZE: 5" CASE STYLE: EL STEM CONNECTION: 1/2IN NPT STEM LOCATION: EVERYANGLE STEM LENGTH: 9" RANGE: 50/300 DEG F OPTIONS: NONE * SILICONE LIQUID FILL STANDARD * PROCESS TEMPERATURE LIMITS: 50 - 300 DEG F * PROCESS PRESSURE LIMITS: N/A</p>
5	180	031-000209	2 EA	<p>TEMPERATURE GAUGE ASHCROFT 50EL60E090 50/550 DIAL SIZE: 5" CASE STYLE: EL STEM CONNECTION: 1/2IN NPT STEM LOCATION: EVERYANGLE STEM LENGTH: 9" RANGE: 50/550 DEG F OPTIONS: NONE * SILICONE LIQUID FILL STANDARD * PROCESS TEMPERATURE LIMITS: 50 - 550 DEG F * PROCESS PRESSURE LIMITS: N/A</p>

5	190	017-000253	4 EA	<p>JMS THERMOWELL MODEL: 51AT2CZK1 PROCESS CONNECTION: 1/2IN. NPT GAUGE CONNECTION: 1/2IN. NPT LENGTH: 4-1/2IN. U-LENGTH SHANK STYLE: STEPPED BORE SIZE: 0.260IN. ID MATERIAL: 316 STAINLESS STEEL TAGGING: STAMPED ON WELL</p>
5	200	017-000254	2 EA	<p>JMS THERMOWELL MODEL: 51AT2EZK1 PROCESS CONNECTION: 1/2IN. NPT GAUGE CONNECTION: 1/2IN. NPT LENGTH: 7-1/2IN. U-LENGTH SHANK STYLE: STEPPED BORE SIZE: 0.260IN. ID MATERIAL: 316 STAINLESS STEEL TAGGING: STAMPED ON WELL</p>
5	210	136-000004	19 EA	<p>INSTRUMENT NEEDLE VALVE KF INDUSTRIES MODEL 13-125HT METAL SEATED VALVE ASSEMBLY PACKED STEM STYLE GRAFOIL STEM PACKING CARBON STEEL BODY 316 STAINLESS STEEL STEM 1/2IN FEMALE - MALE CONNECTIONS SUITABLE FOR 10000PSIG AT 200 DEG F 7500PSIG AT 400 DEG F (600 DEG F MAX) Cv = 0.7</p>
5	230	017-000062	6 EA	<p>TEMPERATURE THERMOCOUPLE JMS 1K1BHU4INSPZZI1 DESCRIPTION: THERMOCOUPLE TYPE: K LIMITS OF ERROR / ELEMENT CONSTRUCTION: STANDARD / SINGLE OUTSIDE DIAMETER: 1/4" CONDUCTOR SIZE (AWG): 16 SHEATH MATERIAL: 304 STAINLESS STEEL MEASURING JUNCTION: UNGROUNDED LENGTH IN INCHES: 4 STD. INDUSTRIAL ATTACHING DEVICE: SPRING LOADED, DOUBLE THREADED PROCESS NPT / CUSTOMER EXTENSION ASSEMBLY: 1/2" LEAD WIRE TYPE AND LENGTH IN INCHES: NO LEAD WIRES ARMOR OR HEAT SHRINK: N/A TYPE OF TRANSITION: NO TRANSITION COLD END TERMINATION: HEADS, EXP. PROOF, ALUMINUM, NEMA 4X, FM, CSA OPTIONS: STAINLESS STEEL TAG WITH MODEL NUMBER * PROCESS TEMPERATURE LIMITS: 1650 DEG F * PROCESS PRESSURE LIMITS: N/A * SUITABLE FOR USE IN CLASS I GROUPS B, C AND D, DIVISION 1 AND 2 AREAS</p>

5	240	031-000411	6	EA	ASHCROFT THERMOWELL MODEL: 75W0250HT260S 3/4" NPT PROCESS CONNECTION 1/2" NPT GAUGE CONNECTION 2-1/2" U-LENGTH TAPERED SHANK 0.260" DIAMETER BORE 316SS MATERIAL
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ASSEMBLY 5 INSTRUMENTATION - SUBASSEMBLY 25 CONTROL PANEL

Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
25	10	042-000093	1	EA	PRIME CONTROLS – CONTROL PANEL PER BID ITEM 2 OF QUOTE NUMBER 11282018JBD – UEC COMPRESSOR PANELS R1 HARDWARE UL CERTIFIED C1D2 PLC CONTROL PANELS TO INCLUDE THE FOLLOWING: -HOFFMAN NEMA 4 RATED ENCLOSURE 60"X36"X12" -HOFFMAN FLOOR STAND KIT -HOFFMAN LED 15" LIGHT -HOFFMAN LOCKING HANDLE -HOFFMAN HEATER -HOFFMAN THERMOSTAT -PHOENIX 24V POWER SUPPLY -1 - ARP-2221AP-G00-034-700-C1D2 15" OIT PANEL VIEW -2 - 1769PA4 COMPACTLOGIX POWER SUPPLY -1 - 1769L33ER COMPACTLOGIX PROCESSOR -1 - 1769IF8H COMPACTLOGIX ANALOG INPUT CARD -1 - 1769ECR COMPACTLOGIX RIGHT END CAP -2 - 1769IF16C ANALOG/HART INPUT CARD -1 – AB 8 PORT MANAGED ETHERNET SWITCH -PHOENIX INTERPOSING RELAYS AS REQUIRED -AB E-STOP, PUSH BUTTONS, & PILOT LIGHTS WITH HERMETICALLY SEALED CONTACT BLOCKS -20% SPARE -MISC. MATERIAL AS REQUIRED (TERMINAL BLOCKS, WIRE, ETC.) *INCLUDES OPTIONS FOR HINGED SUN SHIELD AND FUSED ANALOG AND DIGITAL CIRCUITS WITH BLOWN FUSE INDICATION SERVICE 1. DESIGN PLC PANELS PER CUSTOMER SPECIFICATIONS 2. PROCUREMENT OF HARDWARE AND FABRICATION OF PLC PANELS PER APPROVED BOM

ASSEMBLY 6 PIPING

Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
6	10	127-000033	1	EA	CONE STRAINER RAISED FACE FLANGE, 16" 300# CONNECTION, 150% OPEN, CARBON STEEL CONSTRUCTION, 1/8" PERFORATED SCREEN WITH 100 MESH OUTSIDE CONE
6	20	127-000034	1	EA	CONE STRAINER RAISED FACE FLANGE, 10" 300# CONNECTION 150% OPEN, CARBON STEEL CONSTRUCTION, 1/8" PERFORATED SCREEN WITH 100 MESH OUTSIDE CONE
6	30	127-000035	1	EA	CONE STRAINER RAISED FACE FLANGE, 8" 300# CONNECTION 150% OPEN, CARBON STEEL CONSTRUCTION, 1/8" PERFORATED SCREEN WITH 100 MESH OUTSIDE CONE

6	40	127-000036	1 EA	<p>CONE STRAINER RAISED FACE FLANGE, 6" 600# CONNECTION 150% OPEN, CARBON STEEL CONSTRUCTION, 1/8" PERFORATED SCREEN WITH 100 MESH OUTSIDE CONE</p>
6	50	133-000078	1 EA	<p>MERCER SNAP PILOT OPERATED PRESSURE RELIEF VALVE, 9500 SERIES VALVE MAIN VALVE PART #: 95-28F1327S, PILOT VALVE PART #: S-1100009 CONNECTIONS: 1"300# RF INLET X 2"150# RF OUTLET ORIFICE SIZE: F-ORIFICE, 0.371 SQ. IN. WCB CARBON STEEL BODY & BONNET, PTFE SEATS & FLUOROCARBON O-RINGS VALVE OPERATING PRESSURE: 50 PSIG @ 80°F VALVE SET PRESSURE: 300 PSIG @ 350°F, 10% OVER PRESSURE REQUIRED CAPACITY: 1.68 MMSCFD MAX VALVE CAPACITY: 2.6 MMSCFD ASME BPVC, SECTION VIII, DIV. 1, COMPRESSOR SERVICE</p>
6	60	133-000079	1 EA	<p>MERCER SNAP PILOT OPERATED PRESSURE RELIEF VALVE, 9500 SERIES VALVE MAIN VALVE PART #: 95-71N1327S, PILOT VALVE PART #: S-1100009 CONNECTIONS: 4"300# RF INLET X 6"150# RF OUTLET ORIFICE SIZE: N-ORIFICE, 4.909 SQ. IN. WCB CARBON STEEL BODY & BONNET, PTFE SEATS & FLUOROCARBON O-RINGS VALVE OPERATING PRESSURE: 182 PSIG @ 193°F VALVE SET PRESSURE: 300 PSIG @ 350°F, 10% OVER PRESSURE REQUIRED CAPACITY: 28.48 MMSCFD MAX VALVE CAPACITY: 34.2 MMSCFD ASME BPVC, SECTION VIII, DIV. 1, COMPRESSOR SERVICE</p>
6	70	133-000080	1 EA	<p>MERCER SNAP PILOT OPERATED PRESSURE RELIEF VALVE, 9500 SERIES VALVE MAIN VALVE PART #: 95-64K1327S, PILOT VALVE PART #: S-1A00012 CONNECTIONS: 3"300# RF INLET X 4"150# RF OUTLET ORIFICE SIZE: K-ORIFICE, 2.074 SQ. IN. WCB CARBON STEEL BODY & BONNET, PTFE SEATS & FLUOROCARBON O-RINGS VALVE OPERATING PRESSURE: 449 PSIG @ 268°F VALVE SET PRESSURE: 635 PSIG @ 350°F, 10% OVER PRESSURE REQUIRED CAPACITY: 28.48 MMSCFD MAX VALVE CAPACITY: 30.1 MMSCFD ASME BPVC, SECTION VIII, DIV. 1, COMPRESSOR SERVICE</p>
6	80	133-000081	1 EA	<p>MERCER SNAP PILOT OPERATED PRESSURE RELIEF VALVE, 9500 SERIES VALVE MAIN VALVE PART #: 95-65K1327S, PILOT VALVE PART #: S-1C00013 CONNECTIONS: 3"600# RF INLET X 4"150# RF OUTLET ORIFICE SIZE: K-ORIFICE, 2.074 SQ. IN. WCB CARBON STEEL BODY & BONNET, PTFE SEATS & FLUOROCARBON O-RINGS VALVE OPERATING PRESSURE: 693 PSIG @ 210°F VALVE SET PRESSURE: 815 PSIG @ 350°F, 10% OVER PRESSURE REQUIRED CAPACITY: 28.48 MMSCFD MAX VALVE CAPACITY: 39.7 MMSCFD ASME BPVC, SECTION VIII, DIV. 1, COMPRESSOR SERVICE</p>

6	90	133-000082	1 EA	<p>MERCER SNAP PILOT OPERATED PRESSURE RELIEF VALVE, 9500 SERIES VALVE MAIN VALVE PART #: 95-75H3327S, PILOT VALVE PART #: S-1C00014 CONNECTIONS: 1-1/2"900# RTJ INLET X 3"300# RF OUTLET ORIFICE SIZE: H-ORIFICE, 0.866 SQ. IN. WCB CARBON STEEL BODY & BONNET, PTFE SEATS & FLUOROCARBON O-RINGS VALVE OPERATING PRESSURE: 1010 PSIG @ 200°F VALVE SET PRESSURE: 1750 PSIG @ 350°F, 10% OVER PRESSURE REQUIRED CAPACITY: 28.48 MMSCFD MAX VALVE CAPACITY: 36.3 MMSCFD ASME BPVC, SECTION VIII, DIV. 1, COMPRESSOR SERVICE</p>
6	100	056-000167	1 EA	<p>PBV FLANGED FLOATING BALL VALVE MODEL: D-6430-31-2236-GL-NL-I SIZE: 4IN. 300#, FULL PORT MATERIAL: CARBON STEEL PORT CONFIGURATION: FULL 2 PIECE BODY VALVE TYPE: STEM PACKING FLANGED FLOATING TYPE PRESSURE CLASS: 300# CL FIRE TESTED: YES END CONNECTION TYPE: RAISED FACE BODY MATERIAL: WCB CARBON STEEL TRIM MATERIAL: 316 STAINLESS STEEL SEAT MATERIAL: G-PTFE NACE OPTION: YES OPERATOR: LEVER HANDLE DESIGN: ISO 5211 MOUNTING PAD RATED FOR 300 PSIG @ 350 DEG. F</p>
6	110	056-000163	1 EA	<p>PBV FLANGED FLOATING BALL VALVE MODEL: D-6430-31-2236-GL-NL-I SIZE: 3IN. 300#, FULL PORT MATERIAL: CARBON STEEL PORT CONFIGURATION: FULL 2 PIECE BODY VALVE TYPE: STEM PACKING FLANGED FLOATING TYPE PRESSURE CLASS: 300# CL FIRE TESTED: YES END CONNECTION TYPE: RAISED FACE BODY MATERIAL: WCB CARBON STEEL TRIM MATERIAL: 316 STAINLESS STEEL SEAT MATERIAL: G-PTFE SEALS: GRAPHITE NACE OPTION: YES OPERATOR: LEVER HANDLE DESIGN: ISO 5211 MOUNTING PAD RATED FOR 645 PSIG @ 350 DEG. F</p>

6	120	056-000164	1 EA	<p>PBV FLANGED FLOATING BALL VALVE MODEL: D-6460-31-2236-GL-NL-I SIZE: 3IN. 600#, FULL PORT MATERIAL: CARBON STEEL PORT CONFIGURATION: FULL 2 PIECE BODY VALVE TYPE: STEM PACKING FLANGED FLOATING TYPE PRESSURE CLASS: 600# CL FIRE TESTED: YES END CONNECTION TYPE: RAISED FACE BODY MATERIAL: WCB CARBON STEEL TRIM MATERIAL: 316 STAINLESS STEEL SEAT MATERIAL: G-PTFE SEALS: GRAPHITE NACE OPTION: YES OPERATOR: LEVER HANDLE DESIGN: ISO 5211 MOUNTING PAD RATED FOR 815 PSIG @ 350 DEG. F</p>
6	130	056-000165	1 EA	<p>PBV FLANGED FLOATING BALL VALVE MODEL: C-6415-33-2236-DL-NL-I-LD-6D SIZE: 1-1/2IN. 1500#, FULL PORT MATERIAL: CARBON STEEL PORT CONFIGURATION: FULL 2 PIECE BODY VALVE TYPE: STEM PACKING FLANGED FLOATING TYPE PRESSURE CLASS: 1500# CL FIRE TESTED: YES END CONNECTION TYPE: RING TYPE JOINT BODY MATERIAL: WCB CARBON STEEL TRIM MATERIAL: 316 STAINLESS STEEL SEAT MATERIAL: DEVLON SEALS: GRAPHITE NACE OPTION: YES OPERATOR: LEVER HANDLE DESIGN: ISO 5211 MOUNTING PAD RATED FOR 1750 PSIG @ 325 DEG. F</p>

6	140	056-000166	1 EA	<p>PBV FLANGED THREE-PIECE TRUNNION BALL VALVE MODEL: C-6790-73-2236-PV-NL SIZE: 3IN. 900#, FULL PORT MATERIAL: CARBON STEEL PORT CONFIGURATION: STANDARD VALVE TYPE: 3 PIECE TRUNNION TYPE, BOLTED BODY PRESSURE CLASS: 900# CL FIRE TESTED: YES, WITH EMERGENCY GREASE SEALS END CONNECTION TYPE: RING TYPE JOINT BODY MATERIAL: A105 / A350 LF2 TRIM MATERIAL: 316 STAINLESS STEEL SEAT MATERIAL: PEEK SEALS: VITON A NACE OPTION: YES OPERATOR: LEVER HANDLE RATED FOR 1750 PSIG @ 325 DEG. F * MOUNTED TO A ROTORK GTWNU190X90K08 PNEUMATIC, FAIL OPEN ACTUATOR * INCLUDES ASCO EF8551A001MS, 24VDC SOLENOID VALVE AND MONITEUR AMYB-5120 LIMIT SWITCH</p>
6	150	058-000460	1 EA	<p>MILL-RITE, BLEED RING SIZE: 4IN. 300# RF FLANGE MATERIAL: 516 GR. 70 CARBON STEEL SINGLE, 1/2IN NPT TEST PORT</p>
6	160	058-000461	1 EA	<p>MILL-RITE, BLEED RING SIZE: 3IN. 300# RF FLANGE MATERIAL: 516 GR. 70 CARBON STEEL SINGLE, 1/2IN NPT TEST PORT</p>
6	170	058-000462	1 EA	<p>MILL-RITE, BLEED RING SIZE: 3IN. 600# RF FLANGE MATERIAL: 516 GR. 70 CARBON STEEL SINGLE, 1/2IN NPT TEST PORT</p>
6	180	058-000463	1 EA	<p>MILL-RITE, BLEED RING SIZE: 1-1/2IN. 900# RTJ X RTJ MATERIAL: 516 GR. 70 CARBON STEEL SINGLE, 1/2IN NPT TEST PORT</p>
6	190	056-000168	1 EA	<p>PBV FLANGED FLOATING BALL VALVE MODEL: C-6430-31-2236-GL-NL-I SIZE: 1IN. 300#, FULL PORT MATERIAL: CARBON STEEL PORT CONFIGURATION: FULL 2 PIECE BODY VALVE TYPE: STEM PACKING FLANGED FLOATING TYPE PRESSURE CLASS: 300# CL FIRE TESTED: YES END CONNECTION TYPE: RAISED FACE BODY MATERIAL: WCB CARBON STEEL TRIM MATERIAL: 316 STAINLESS STEEL SEAT MATERIAL: G-PTFE SEALS: GRAPHITE NACE OPTION: YES OPERATOR: LEVER HANDLE DESIGN: ISO 5211 MOUNTING PAD RATED FOR 300 PSIG @ 350 DEG. F</p>

6	200	058-000464	1	EA	MILL-RITE, BLEED RING SIZE: 1IN. 300# RF FLANGE MATERIAL: 516 GR. 70 CARBON STEEL SINGLE, 1/2IN. NPT TEST PORT
6	210	056-000155	19	EA	BALL VALVE KF MODEL U5004-Q12 1IN FNPT X 1IN FNPT THREADED BALL VALVE REDUCED PORT UNIBODY SERIES: HC-730 BODY, BALL AND AND STEM: CARBON STEEL 12L14 SEATS: REINFORCED PTFE ACTUATION: LOCKING HANDLE MAXIMUM DIFFERENTIAL PRESSURE AT 150 DEG F: 2000 PSIG MAXIMUM DIFFERENTIAL PRESSURE AT 350 DEG F: 350 PSIG Cv: 25 FIRE SAFE API-607
6	220	056-000136	2	EA	BALL VALVE KF MODEL U5007-Q12 2IN FNPT X 2IN FNPT THREADED BALL VALVE REDUCED PORT UNIBODY SERIES: HC-730 BODY, BALL AND AND STEM: CARBON STEEL 12L14 SEATS: REINFORCED PTFE ACTUATION: LOCKING HANDLE MAXIMUM DIFFERENTIAL PRESSURE AT 150 DEG F: 1500 PSIG MAXIMUM DIFFERENTIAL PRESSURE AT 350 DEG F: 350 PSIG Cv: 95 FIRE SAFE API-607
6	230	134-000041	3	EA	1IN PISTON CHECK VALVE BONNEY FORGE MODEL 1IN HL-41-T VALVE SIZE: 1IN VALVE DESCRIPTION: STANDARD PORT, 800#, BOLTED BONNET VALVE TYPE: PISTON CHECK BODY/BONNET, TRIM MATERIAL: A 105, TRIM F316/HF (API TRIM #12) SPECIAL CLASSIFICATION: NACE RATED END CONFIGURATION: THREADED MINIMUM DESIGN PRESS/TEMP: 1975 PSIG @ 100°F MINIMUM DESIGN PRESS/TEMP: 1720 PSIG @ 350°F CV = 5
6	240	134-000071	1	EA	2IN PISTON CHECK VALVE BONNEY FORGE MODEL 2IN HL-41-T VALVE SIZE: 2IN VALVE DESCRIPTION: STANDARD PORT, 800#, BOLTED BONNET VALVE TYPE: PISTON CHECK BODY/BONNET, TRIM MATERIAL: A 105, TRIM F316/HF (API TRIM #12) SPECIAL CLASSIFICATION: NACE RATED END CONFIGURATION: THREADED MINIMUM DESIGN PRESS/TEMP: 1975 PSIG @ 100°F MINIMUM DESIGN PRESS/TEMP: 1720 PSIG @ 350°F CV = 17.5

6	250	086-000941	10	EA	6IN WEDGE BLOCK STANDARD (2EA) PER SET DWG # 53093
6	260	137-000016	6	EA	SKID LEVELING BLOCK DWG # 53095
6	270	032-001853	1	EA	57012 30" BOTTLE CLAMP W/ FABREEKA, FOUR BOLT
6	280	032-001854	2	EA	57014 24" BOTTLE CLAMP W/ FABREEKA, 2 BOLT
6	290	032-001857	1	EA	57014 20 BOTTLE CLAMP W/ FABREEKA, TWO BOLT
6	300	052-000067	1	EA	DRIP POT PER DRAWING 902271 REV C
6	310	125-000003	2	EA	SHIPPING COVER PER DRAWING 10778 EVCP
6	320	030-000767	2	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 1IN 300# FLANGE, 304
6	330	030-000789	2	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 4IN 300# FLANGE, 304
6	340	030-000784	2	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 3IN 300# FLANGE, 304
6	350	030-000784	2	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 3IN 600# FLANGE, 304
6	360	030-001197	2	EA	GASKET, RTJ, STYLE R OVAL SEAL, ASME B16.20, 1-1/2IN 900#/1500# FLANGE, RING NUMBER R20
6	370	032-002042	4	EA	B7 STUD, 5/8IN DIA - 11 TPI, 5-1/4IN LONG, WITH 2 GRADE 2H NUTS, STANDARD FINISH
6	380	032-002044	24	EA	B7 STUD, 3/4IN DIA - 10 TPI , 6-3/4IN LONG, WITH 2 GRADE 2H NUTS, STANDARD FINISH
6	390	032-002043	4	EA	B7 STUD, 1IN DIA - 8 TPI, 8IN LONG, WITH 2 GRADE 2H NUTS, STANDARD FINISH
6	400	030-000804	2	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 8IN 300# FLANGE, 304SS
6	410	056-000155	6	EA	BALL VALVE KF MODEL U5004-Q12 1IN FNPT X 1IN FNPT THREADED BALL VALVE REDUCED PORT UNIBODY SERIES: HC-730 BODY, BALL AND AND STEM: CARBON STEEL 12L14 SEATS: REINFORCED PTFE ACTUATION: LOCKING HANDLE MAXIMUM DIFFERENTIAL PRESSURE AT 150 DEG F: 2000 PSIG MAXIMUM DIFFERENTIAL PRESSURE AT 350 DEG F: 350 PSIG Cv: 25 FIRE SAFE API-607
ASSEMBLY 6 PIPING - SUBASSEMBLY 30 PROCESS PIPING					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
30	10	027-002183-01	2	EA	PIPE FITTING, RAISED FACE FLANGE WELD NECK FLANGE, 14IN 300# SCH. XH (0.500INW.) SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, M, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
30	20	032-000882	40	EA	B7 STUD, 1-1/8IN DIA - 8 TPI, 7-1/2IN LONG, WITH 2 GRADE 2H NUTS, STANDARD FINISH, (20/FLG.) (14IN300# FLG)
30	30	030-000819	2	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 14IN 300# FLANGE, 304SS
30	40	043-000319-01	7	FT	PIPE, 14IN, SCH. EXTRA HEAVY (0.500" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, G FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
30	50	027-000523-01	2	EA	PIPE FITTING, RAISED FACE WELD NECK FLANGE, 10IN 300# SCH. XH (0.500INW.) SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, C BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
30	60	032-000877	16	EA	B7 STUD, 1IN DIA - 8 TPI, 7-1/4IN LONG, WITH 2 GRADE 2H NUTS, STANDARD FINISH (16/FLG.) (10IN 300# FLG)
30	70	032-000876	16	EA	B7 STUD, 1IN DIA - 8 TPI, 6-3/4IN LONG, WITH 2 GRADE 2H NUTS, STANDARD FINISH (16/FLG.) (10IN 300# FLG)
30	80	030-000809	3	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 10IN 300# FLANGE, 304SS
30	90	043-000260-01	8	FT	PIPE, 10IN, SCH. EXTRA HEAVY (0.5" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GER FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
30	100	027-002127-01	2	EA	PIPE FITTING, RAISED FACE, WELD NECK FLANGE, 8IN 300# SCH. 80 (0.500INW.) SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, G BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
30	110	032-000866	24	EA	B7 STUD, 7/8IN DIA - 9 TPI, 6IN LONG, WITH 2 GRADE 2H NUTS, STANDARD FINISH (12/FLG) (8IN 300# FLG)
30	120	030-000804	2	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 8IN 300# FLANGE, 304SS

30	130	043-000224-01	3	FT	PIPE, 8IN, SCH. 80 (0.500" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FR AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
30	140	027-002114-01	2	EA	PIPE FITTING, RAISED FACE WELD NECK FLANGE, 6IN 600# SCH. 80 (0.432IN.W.) SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GF SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
30	150	032-001781	24	EA	B7 STUD, 1IN DIA - 8 TPI, 6-3/4IN LONG, WITH 2 GRADE 2H NUTS, STANDARD FINISH (12/FLG) (6IN 600# FLG)
30	160	030-000800	2	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 6IN 600# FLANGE, 304SS
30	170	043-000195-01	5	FT	PIPE, 6IN, SCH. 80 (0.432" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FR AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
ASSEMBLY 6 PIPING - SUBASSEMBLY 31 OIL PIPING					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
31	10	027-002387	2	EA	PIPE FITTING, FF FLANGE, WELD NECK, 3IN 150#, SCH. 40 (0.216" W.), SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRIT/ GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	20	027-002388-01	3	EA	PIPE FITTING, FF FLANGE, WELD NECK, 2IN 150#, SCH. 80 (0.218" W.), SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRIT/ GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	30	027-000230-01	8	EA	PIPE FITTING, 90 DEG, LONG RADIUS ELBOW, BUTTWELD, 3IN SCH. 40 (0.216IN W.), SA-234-WPB - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, M GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	40	027-000560-01	1	EA	PIPE FITTING, 90 DEG, SHORT RADIUS ELBOW, BUTTWELD, 3IN SCH. 40 (0.216IN W.), SA-234-WPB - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, I GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	50	027-001572-01	2	EA	PIPE FITTING, TEE, BUTTWELD, 3IN SCH. 40 (0.216IN W.), SA-234-WPB - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SP GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	60	027-000648-01	1	EA	PIPE FITTING, REDUCER TEE, BUTTWELD, 3IN X 3IN X 1-1/2IN SCH. 80 (0.300IN W.), SA-234-WPB - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, M BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	70	027-002389-01	6	EA	PIPE FITTING, REDUCER CONCENTRIC, BUTTWELD, 3IN X 2IN SCH. 80 (0.300" W.), SA-234-WPB, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEX BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	80	027-000985-01	1	EA	PIPE FITTING, 90 DEG ELBOW (FORGED), NPT, 2IN 3000#, SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, (FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	90	027-001664-01	3	EA	PIPE FITTING, TEE, NPT, 2IN 3000#, SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AI SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	100	027-001749-01	6	EA	PIPE FITTING, UNION, NPT, 2IN 3000#, SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	110	027-000982-01	3	EA	PIPE FITTING, 90 DEG ELBOW (FORGED), NPT, 1-1/2IN 3000#, SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPA GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	120	027-001661-01	2	EA	PIPE FITTING, TEE, THREADED, 1-1/2IN 3000#, SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, F AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	130	027-001747-01	4	EA	PIPE FITTING, UNION, NPT, 1-1/2IN 3000#, SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRA AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	140	027-001743-01	6	EA	PIPE FITTING, UNION, THREADED, 1IN 3000#, SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FI AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	150	027-001032-01	1	EA	PIPE FITTING, ELBOW-OLET, 1IN 3000#, SA-105, 3IN-8IN RANGE, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GE FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	160	027-001721-01	1	EA	PIPE FITTING, THREADOLET, 1IN, 3000#, SA-105, 3IN-.8IN RANGE - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, (FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	170	027-001717-01	2	EA	PIPE FITTING, THREADOLET, 3/4IN, 3000#, SA-105, 3IN-.8IN RANGE - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
31	180	030-000982	2	EA	GASKET, N-400 NON ASBESTOS, 1/8IN THICK, 3IN 150# FLANGE
31	190	030-000983	4	EA	GASKET, N-400 NON ASBESTOS, 1/8IN THICK, 2IN 150# FLANGE
31	200	032-000835	12	EA	B7 STUD, 5/8IN DIA - 11 TPI, 3-3/4IN LONG, WITH TWO GRADE 2H NUTS, STANDARD FINISH, (4/FLG.) (2IN 150# FLG.)
31	210	032-001800	8	EA	B7 STUD, 5/8IN DIA - 11 TPI, 4IN LONG, WITH TWO GRADE 2H NUTS, STANDARD FINISH, (4/FLG.) (3IN 150# FLG)

31	220	027-001303-01	6	EA	PIPE FITTING, REDUCER BUSHING, THREADED, 2IN X 1IN, SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, G FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	230	027-001300-01	1	EA	PIPE FITTING, REDUCER BUSHING, THREADED, 1-1/2IN X 1IN, SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAI FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	240	027-002390	1	EA	PIPE FITTING, REDUCER BUSHING, THREADED, 1-1/2IN X 1/2IN, SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SP GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	250	043-000472	3	EA	PIPE NIPPLE, NPT, 1.5IN X 3IN LONG, SCH. 80 (0.200" W.), SA-106-B
31	260	043-000476	1	EA	PIPE NIPPLE, NPT, 1.5IN X 5IN LONG, SCH. 80 (0.200" W.), SA-106-B
31	270	043-000474	1	EA	PIPE NIPPLE, NPT, 1.5IN X 4IN LONG, SCH. 80 (0.200" W.), SA-106-B
31	280	043-000471	1	EA	PIPE NIPPLE, NPT, 1.5IN X 2.5IN LONG, SCH. 80 (0.200" W.), SA-106-B
31	290	043-000481	2	EA	PIPE NIPPLE, NPT, 2IN X 2.5IN LONG, SCH. 80 (0.218" W.), SA-106-B
31	300	043-000125-01	18	FT	PIPE, 3IN, SCH. 40 (0.216" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FR AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	310	043-000099-01	9	FT	PIPE, 2IN, SCH. 80 (0.218" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FR AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	320	043-000083-01	5	FT	PIPE, 1-1/2IN, SCH. 80 (0.2" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, F AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	330	043-000042-01	14	FT	PIPE, 1IN, SCH. 160 (0.25" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FR AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
31	340	027-001090	2	EA	PIPE FITTING, PLUG HEX HEAD, MNPT, 1IN, SA-105
31	350	043-000428	1	EA	PIPE NIPPLE, NPT, 1IN X 3IN SCH. 160 (0.250" W.), SA-106-B
31	360	043-000398	1	EA	PIPE NIPPLE, NPT, 1/2IN X 3IN SCH. 80 (0.147" W.), SA-106-B
31	370	032-001876	1	EA	PIPE NIPPLE, NPT, 1IN PIPE X 2IN LONG, S/80 (0.179" W.), SA-106B

ASSEMBLY 6 PIPING - SUBASSEMBLY 32 AUXILIARY PIPING

Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
32	10	027-001301	1	EA	2IN X 1/2IN NPT RED. BUSHING
32	20	043-000480	1	EA	PIPE NIPPLE, NPT, 2IN X 2IN SCH. 80 (0.218" W.), SA-106-B
32	30	043-000486	5	EA	PIPE NIPPLE, NPT, 2IN X 5IN SCH. 80 (0.218" W.), SA-106-B
32	40	027-001664	4	EA	PIPE FITTING TEE NPT 2IN 3000# SA-105
32	50	027-001303	4	EA	2IN X 1IN NPT RED. BUSHING
32	60	043-000099	10	FT	PIPE, 2IN, SCH. 80, (0.218" W.), SA-106-B
32	70	043-000482	8	EA	PIPE NIPPLE, NPT, 2IN X 3IN SCH. 80 (0.218" W.), SA-106-B
32	80	027-000985	9	EA	PIPE FITTING 90 DEG ELBOW (FORGED) NPT 2IN 3000# SA-105
32	90	027-001749	4	EA	PIPE FITTING UNION NPT 2IN 3000# SA-105
32	100	027-000872	4	EA	PIPE FITTING COUPLING NPT 1IN 3000# SA-105
32	110	043-000432	1	EA	PIPE NIPPLE, NPT, 1IN X 5IN SCH. 160 (0.250" W.), SA-106-B
32	120	027-000904	1	EA	PIPE FITTING CROSS NPT 1IN 3000# SA-105
32	130	027-000878	2	EA	PIPE FITTING COUPLING NPT 2IN 3000# SA-105
32	140	027-001747	9	EA	PIPE FITTING UNION NPT 1-1/2IN 3000# SA-105
32	150	027-002390	6	EA	PIPE FITTING, REDUCER BUSHING, THREADED, 1-1/2IN X 1/2IN, SA-105
32	160	027-001661	7	EA	PIPE FITTING TEE NPT 1-1/2IN 3000# SA-105
32	170	043-000434	3	EA	PIPE NIPPLE, NPT, 1IN X 6IN SCH. 160 (0.250" W.), SA-106-B
32	180	043-000428	27	EA	PIPE NIPPLE, NPT, 1IN X 3IN SCH. 160 (0.250" W.), SA-106-B
32	190	043-000042	120	FT	PIPE, 1IN, SCH. 160, (0.250" W.), SA-106-B
32	200	027-001300	14	EA	1-1/2IN X 1IN NPT RED. BUSHING
32	210	043-000476	5	EA	PIPE NIPPLE, NPT, 1.5IN X 5IN LONG, SCH. 80 (0.200" W.), SA-106-B
32	220	043-000083	100	FT	PIPE, 1-1/2IN, SCH. 80, (0.200" W.), SA-106-B
32	230	043-000472	10	EA	PIPE NIPPLE, NPT, 1.5IN X 3IN LONG, SCH. 80 (0.200" W.), SA-106-B
32	240	027-000876	2	EA	PIPE FITTING COUPLING NPT 1-1/2IN 3000# SA-105
32	250	027-000982	15	EA	PIPE FITTING 90 DEG ELBOW (FORGED) NPT 1-1/2IN 3000# SA-105
32	260	043-000426	6	EA	PIPE NIPPLE, NPT, 1IN X 2IN SCH. 160 (0.250" W.), SA-106-B

32	270	043-000442	13	EA	PIPE NIPPLE, NPT, 1IN X 5IN SCH. 80 (0.179" W.), SA-106-B
32	280	043-000438	37	EA	PIPE NIPPLE, NPT, 1IN X 3IN SCH. 80 (0.179" W.), SA-106-B
32	290	043-000052	80	FT	PIPE, 1IN, SCH. 80, (0.179" W.), SA-106-B
32	300	027-001090	8	EA	1IN MNPT PLUG, SA-105
32	310	027-001296	12	EA	1IN X 1/2IN NPT RED. BUSHING
32	320	027-001743	24	EA	PIPE FITTING UNION NPT 1IN 3000# SA-105
32	330	027-001655	21	EA	PIPE FITTING TEE NPT 1IN 3000# SA-105
32	340	027-000976	59	EA	PIPE FITTING 90 DEG ELBOW (FORGED) NPT 1IN 3000# SA-105
32	350	027-002411	6	EA	PIPE FITTING, REDUCER BUSHING, THREADED, 1-1/2IN X 3/4IN, SA-105
32	360	030-001133	3	EA	GASKET, N-400 NON ASBESTOS - FULL FACE TYPE, 1/16IN THICK, 2IN 150# FLANGE

ASSEMBLY 7 SUCTION AND DISCHARGE BOTTLES

Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
7	10	022-000125	64	EA	BOLT, GRADE 8 1-1/8 IN. DIA - 7 UNC 4-5/8 IN. LONG THREAD LENGTH STANDARD FINISH
7	20	022-000126	24	EA	BOLT, GRADE 8 1-3/8 IN. DIA. - 6 UNC 5-7/8 IN. LONG THREAD LENGTH STANDARD FINISH
7	30	022-000127	24	EA	BOLT, GRADE 8 1-3/8 IN. DIA - 6 UNC 5-3/8 IN. LONG THREAD LENGTH STANDARD FINISH
7	40	030-000802	16	EA	8IN 150#, 1/8IN THICK, CG STYLE, SPIRAL WOUND GASKET, 304SS
7	50	030-000806	8	EA	8IN 900#, 1/8IN THICK, CG STYLE, SPIRAL WOUND GASKET, 304SS
7	60	030-000963	8	EA	10IN 400#, 1/8IN THICK, CG STYLE, SPIRAL WOUND GASKET, 304SS
7	70	030-000964	4	EA	ORIFICE PLATE WITH HANDLE RAISED FACE FLANGE, 3/8 IN. THICK PLATE, 8 IN. 150#, SA-312-TP304, 6-1/2 IN. INNER DIAMETER AND 11 IN. OUTER DIAMETER- REFERENCE DRAWING 5701 DETAILS
7	80	030-000965	4	EA	ORIFICE PLATE WITH HANDLE RAISED FACE FLANGE, 3/8 IN. THICK, 8 IN. 150#, SA-312-TP304, 5 IN. INNER DIAMETER AND 11 IN. OUTER DIAMETER - REFERENCE DRAWING 57019 FOR DET
7	90	030-000966	1	EA	ORIFICE PLATE WITH HANDLE RAISED FACE FLANGE, 1/4 IN. THICK, 10 IN. 300#, SA-312-TP304, 6 IN. INNER DIAMETER - REFERENCE DRAWING 57019 FOR DETAILS
7	100	030-000967	2	EA	ORIFICE PLATE WITH HANDLE RAISED FACE FLANGE, 1/4 IN. THICK, 10 IN. 400#, SA-312-TP304, 6-1/2 IN. INNER DIAMETER - REFERENCE DRAWING 57019 FOR DETAILS
7	110	030-000969	2	EA	ORIFICE PLATE WITH HANDLE RAISED FACE FLANGE, 1/4 IN. THICK, 10 IN. 400#, SA-312-TP304, 5 IN. INNER DIAMETER - REFERENCE DRAWING 57019 FOR DETAILS
7	120	030-000970	1	EA	ORIFICE PLATE WITH HANDLE RAISED FACE FLANGE, 1/8 IN. THICK, 8 IN. 900#, SA-312-TP304, 4-3/8 IN. INNER DIAMETER - REFERENCE DRAWING 57019 FOR DETAILS
7	130	030-000971	1	EA	ORIFICE PLATE WITH HANDLE RAISED FACE FLANGE, 1/8 IN. THICK, 8 IN. 900#, SA-312-TP304, 4-1/4 IN. INNER DIAMETER - REFERENCE DRAWING 57019 FOR DETAILS
7	140	030-000972	1	EA	ORIFICE PLATE WITH HANDLE RAISED FACE FLANGE, 1/8 IN. THICK, 8 IN. 900#, SA-312-TP304, 4 IN. INNER DIAMETER - REFERENCE DRAWING 57019 FOR DETAILS
7	150	030-000973	1	EA	ORIFICE PLATE WITH HANDLE RAISED FACE FLANGE, 1/8 IN. THICK, 8 IN. 900#, SA-312-TP304, 3-5/8 IN. INNER DIAMETER - REFERENCE DRAWING 57019 FOR DETAILS
7	170	086-000681	6	FT	1-3/8-6 b7 threaded rod
7	180	086-000662	8	EA	1-3/8-6 A194 2H heavy hex nut
7	190	030-000806	4	EA	GASKET, CG, SPIRAL WOUND GRAPHITE OUTER RING, ASME B16.20, 1/8IN THICK, 8IN 900# FLANGE, 304SS

7	200	030-001153	1	EA	ORIFICE PLATE WITH HANDLE RAISED FACE FLANGE, 1/8 IN. THICK, 10 IN. 300#, SA-312-TP304, 6 IN. INNER DIAMETER - REFERENCE DRAWING 57019 FOR DETAILS - INCLUDES 0.040" BEVE DOWNSTREAM SIDE (OPPOSITE FROM HANDLE TAG)
ASSEMBLY 7 SUCTION AND DISCHARGE BOTTLES - SUBASSEMBLY 38 STAGE 1 SUCTION BOTTLE (SUBCONTRACTED)					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
38	10	004-000007	1	EA	STAGE 1 SUCTION BOTTLE - 30" OD X 90" S-S - 30" (0.500" W) ROLLED SHELL, SA-516-70 - MAWP: 300 PSIG @ 350°F, MDMT: -20°F - CORROSION ALLOWANCE: 1/8" - INLET NOZZLE (QTY. 1): 14" 300#, RFWN FLANGE, SCH.XS (0.500" W) SA-106-B - OUTLET NOZZLE (QTY. 4): ARIEL PEANUT FLANGE, 8" SCH.80 (0.500" W) SA-106-B - REINFORCEMENT REPAD ON ALL PROCESS CONNECTIONS - COUPLING CONNECTIONS: (QTY. 1) 1" 6000# FULL COUPLING (QTY. 1) INTERNAL BAFFLE PLATE, 1/2" THICK W/ 4" DIAMETER HOLES - 14" X 12" CONCENTRIC REDUCER WITH CHOKE TUBE. 12" SCHXS (0.500" W) SA-106-B - REFERENCE DRAWING 902257 FOR DETAILS
ASSEMBLY 7 SUCTION AND DISCHARGE BOTTLES - SUBASSEMBLY 39 STAGE 1 DISCHARGE BOTTLE (SUBCONTRACTED)					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
39	10	004-000008	1	EA	STAGE 1 DISCHARGE BOTTLE - 30" OD X 146" S-S - 30" (0.500" W) ROLLED SHELL, SA-516-70 - MAWP: 300 PSIG @ 350°F, MDMT: -20°F - CORROSION ALLOWANCE: 1/8" - INLET NOZZLE (QTY. 4): ARIEL PEANUT FLANGE, 8" SCH.80 (0.500" W), SA-106-B - OUTLET NOZZLE (QTY. 1): 10" 300# RFWN FLANGE, SCH.80 (0.500" W), SA-106-B - REINFORCEMENT REPADS ON ALL PROCESS CONNECTIONS - COUPLING CONNECTIONS (QTY. 2) 1" 6000# FULL COUPLINGS (QTY. 2) 3/4" 6000# FULL COUPLINGS (QTY. 3) 1/2" 6000# FULL COUPLINGS - (QTY. 2) INTERNAL BAFFLE PLATES, 1/2" THICK W/ CORRESPONDING CHOKE TUBE HOLES - CHOKE TUBE 1: 6" SCHXS (0.432" W) X 115" LONG, SA-106-B - CHOKE TUBE 2: 5" SCHXS (0.375" W) X 83" LONG, SA-106-B - REFERENCE DRAWING 902261 FOR DETAILS
ASSEMBLY 7 SUCTION AND DISCHARGE BOTTLES - SUBASSEMBLY 40 STAGE 2 SUCTION BOTTLE (SUBCONTRACTED)					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
40	10	004-000009	1	EA	STAGE 2 SUCTION BOTTLE - 30" OD X 83" S-S - 30" (0.500" W) ROLLED SHELL, SA-516-70 - MAWP: 300 PSIG @ 350°F, MDMT: -20°F - CORROSION ALLOWANCE: 1/8" - INLET NOZZLE (QTY. 1): 10" 300# RFWN FLANGE, SCH.80 (0.500" W), SA-106-B - OUTLET NOZZLE (QTY. 2): 10" 400# LWN FLANGE, RF - REINFORCEMENT REPADS ON ALL PROCESS CONNECTIONS - COUPLING CONNECTIONS: (QTY. 1) 1" 6000# FULL COUPLING - (QTY. 1) INTERNAL BAFFLE PLATE, 1/2" THICK W/ 7.5" DIAMETER HOLE - REFERENCE DRAWING 902258 FOR DETAILS
ASSEMBLY 7 SUCTION AND DISCHARGE BOTTLES - SUBASSEMBLY 41 STAGE DISCHARGE BOTTLE (SUBCONTRACTED)					

Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
41	10	004-000010	1	EA	STAGE 2 DISCHARGE BOTTLE - 24" OD X 120" S-S - 24" SCH.40 (0.687" W) SEAMLESS PIPE, SA-106-B - MAWP: 645 PSIG @ 350°F, MDMT: -20°F - CORROSION ALLOWANCE: 1/8" - INLET NOZZLE (QTY. 2): 10" 400# RFWN FLANGE, SCH.80 (0.500" W), SA-106-B - OUTLET NOZZLE: 8" 300# RFWN FLANGE, SCH.80 (0.500" W), SA-106-B - REINFORCEMENT REPAD ON ALL PROCESS CONNECTIONS - COUPLING CONNECTIONS (QTY. 2) 1" 6000# FULL COUPLINGS (QTY. 2) 3/4" 6000# FULL COUPLINGS (QTY. 3) 1/2" 6000# FULL COUPLINGS - (QTY. 2) INTERNAL BAFFLE PLATES, ½" THICK W/ CORRESPONDING CHOKE TUBE HOLES - CHOKE TUBE 1: 4" SCHXS (0.337" W) X 106" LONG, SA-106-B - CHOKE TUBE 2: 4" SCH120 (0.438" W) X 58" LONG, SA-106-B -REFERENCE DRAWING 902262 FOR DETAILS
ASSEMBLY 7 SUCTION AND DISCHARGE BOTTLES - SUBASSEMBLY 42 STAGE 3 SUCTION BOTTLE (SUBCONTRACTED)					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
42	10	004-000011	1	EA	STAGE 3 SUCTION BOTTLE - 26" OD X 40" S-S - 26" (0.625" W) ROLLED SHELL, SA-516-70 - MAWP: 645 PSIG @ 350°F, MDMT: -20°F - CORROSION ALLOWANCE: 1/8" - INLET NOZZLE (QTY. 1): 8" 300# RFWN FLANGE, SCH. 80 (0.500" W), SA-106-B - OUTLET NOZZLE (QTY. 1): 8" 900# LWN FLANGE, RF - REINFORCEMENT REPADS ON ALL PROCESS CONNECTIONS - COUPLING CONNECTIONS: (QTY. 1) 1" 6000# FULL COUPLING - REFERENCE DRAWING 902259 FOR DETAILS
ASSEMBLY 7 SUCTION AND DISCHARGE BOTTLES - SUBASSEMBLY 43 STAGE 3 DISCHARGE BOTTLE (SUBCONTRACTED)					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
43	10	004-000012	1	EA	STAGE 3 DISCHARGE BOTTLE - 24" OD X 48" S-S - 24" SCH.60 (0.968" W) SEAMLESS PIPE, SA-106-B - MAWP: 900 PSIG @ 350°F, MDMT: -20°F - CORROSION ALLOWANCE: 1/8" - INLET NOZZLE: 8" 900# RFWN FLANGE, SCH.80 (0.500" W), SA-106-B - OUTLET NOZZLE: 6" 600# RFWN FLANGE, SCH.80 (0.432" W), SA-106-B - REINFORCEMENT REPADS ON ALL PROCESS CONNECTIONS - COUPLING CONNECTIONS (QTY. 2) 1" 6000# FULL COUPLINGS (QTY. 1) 3/4" 6000# FULL COUPLING (QTY. 2) 1/2" 6000# FULL COUPLINGS - (QTY. 1) INTERNAL BAFFLE PLATES, ½" THICK W/ CORRESPONDING CHOKE TUBE HOLES - CHOKE TUBE: 4" SCH120 (0.438" W) X 36" LONG, SA-106-B - REFERENCE DRAWING 902263 FOR DETAILS
ASSEMBLY 7 SUCTION AND DISCHARGE BOTTLES - SUBASSEMBLY 44 STAGE 4 SUCTION BOTTLE (SUBCONTRACTED)					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc

44	10	004-000013	1	EA	<p>STAGE 4 SUCTION BOTTLE</p> <ul style="list-style-type: none"> - 24" OD X 40" S-S - 24" SCH.60 (0.968" W) SEAMLESS PIPE, SA-106-B - MAWP: 900 PSIG @ 350°F, MDMT: -20°F - CORROSION ALLOWANCE: 1/8" - INLET NOZZLE (QTY. 1): 6" 600# RFWN FLANGE, SCH.80 (0.432" W), SA-106-B - OUTLET NOZZLE (QTY. 1): 8" 900# LWN FLANGE, RF - REINFORCEMENT REPADS ON ALL PROCESS CONNECTIONS - COUPLING CONNECTIONS: (QTY. 1) 1" 6000# FULL COUPLING - REFERENCE DRAWING 902260 FOR DETAILS
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ASSEMBLY 7 SUCTION AND DISCHARGE BOTTLES - SUBASSEMBLY 45 STAGE 4 DISCHARGE BOTTLE (SUBCONTRACTED)

Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
45	10	004-000014	1	EA	<p>STAGE 4 DISCHARGE BOTTLE</p> <ul style="list-style-type: none"> - 20" OD X 52" S-S - 20" (1.125" W) ROLLED SHELL, SA-516-70 - MAWP: 1750 PSIG @ 350°F, MDMT: -20°F - CORROSION ALLOWANCE: 1/8" - INLET NOZZLE (QTY. 1): 8" 900# RFWN FLANGE, SCH.120 (0.718" W) SA-106-B - OUTLET NOZZLE (QTY. 1) 6" 900# RTJ FLANGE, SCH.120 (0.562" W), SA-106-B - REINFORCEMENT REPADS ON ALL PROCESS CONNECTIONS - COUPLING CONNECTIONS (QTY. 2) 1" 6000# FULL COUPLINGS (QTY. 1) 3/4" 6000# FULL COUPLING (QTY. 2) 1/2" 6000# FULL COUPLINGS - (QTY. 1) INTERNAL BAFFLE PLATES, ½" THICK W/ CORRESPONDING CHOKE TUBE HOLES - CHOKE TUBE: 4" SCHXXS (0.674" W) X 36" LONG, SA-106-B - REFERENCE DRAWING 902264 FOR DETAILS

ASSEMBLY 8 SCRUBBERS

Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
8	20	018-000068	4	EA	<p>LEVEL SWITCH</p> <p>FW MURPHY LS200</p> <p>BODY: NICKEL PLATED STEEL</p> <p>FLOAT: 304 STAINLESS STEEL</p> <p>O-RING: VITON</p> <p>PROCESS CONNECTION: 2INNPT</p> <p>ELECTRICAL: SPDT</p> <p>WIRING: 18 AWG X 36"</p> <p>MINIMUM ALLOWABLE SPECIFIC GRAVITY, ZERO FLOAT EXTENSIONS: 0.55</p> <p>* PROCESS TEMPERATURE LIMITS: (-20) - 300 DEG F</p> <p>* PROCESS PRESSURE LIMITS: 2000 PSI</p> <p>* SUITABLE FOR USE IN CLASS I GROUPS C AND D, DIVISION 1 AND 2 AREAS</p>

8	30	018-000070	4 EA	<p>LEVEL SWITCH FW MURPHY LS200NDVOR BODY: NICKEL PLATED STEEL FLOAT: 304 STAINLESS STEEL O-RING: VITON PROCESS CONNECTION: 2INNPT DVO VALVE: 3-WAY N.C. WITH MANUAL OPERATOR SUPPLY, SIGNAL OUT AND EXHAUST CONNECTIONS: 1/8" NPT MINIMUM SUPPLY PRESSURE: 30 PSIG FILTER / PRESSURE REGULATOR SET REGULATOR: 0 – 75 PSIG MAXIMUM SUPPLY PRESSURE: 300 PSIG MINIMUM ALLOWABLE SPECIFIC GRAVITY, ZERO FLOAT EXTENSIONS: 0.63 * PROCESS TEMPERATURE LIMITS: (-20) - 300 DEG F * PROCESS PRESSURE LIMITS: 2000 PSI</p>
8	40	057-000016	3 EA	<p>DUMP VALVE FW MURPHY DVU-150 INLET CONNECTION: 1 IN NPT OUTLET CONNECTION: 1/2 IN NPT TRIM SIZE: 0.359" MAXIMUM WORKING PRESSURE: 1800 PSIG VALVE OPERATING TEMPERATURE: -30 TO 250 DEG F MATERIAL BODY / UNION NUT: 12L14 CS, ELECTROLESS NICKEL PLATED MATERIAL STEM: ANSI 303 STAINLESS STEEL MATERIAL STUFFING BOX: ANSI 303 STAINLESS STEEL MATERIAL SEAT: ANSI 303 STAINLESS STEEL MATERIAL PLUG / SEAL: ANSI 303 STAINLESS STEEL / 95 DUROMETER URETHANE</p>
8	50	058-000109	1 EA	<p>DUMP VALVE FW MURPHY DVU-2105 INLET CONNECTION: 2 IN NPT OUTLET CONNECTION: 1 IN NPT TRIM SIZE: 0.791" MAXIMUM WORKING PRESSURE: 500 PSIG VALVE OPERATING TEMPERATURE: -30 TO 250 DEG F MATERIAL BODY / UNION NUT: 12L14 CS, ELECTROLESS NICKEL PLATED MATERIAL STEM: ANSI 303 STAINLESS STEEL MATERIAL STUFFING BOX: ANSI 303 STAINLESS STEEL MATERIAL SEAT: ANSI 303 STAINLESS STEEL MATERIAL PLUG / SEAL: ANSI 303 STAINLESS STEEL / 95 DUROMETER URETHANE</p>

					<p>QUEST-TEC LEVEL GAGE 71RL SINGLE SECTION REFLEX LOW PRESSURE VISIBLE LENGTH: 10-1/4IN OVERALL LENGTH: 11-3/4" CONNECTIONS: END - 1/2IN NPTF DESIGN PRESS AND TEMP: 1900 PSIG @ 100 °F GAUGE COCK MODEL: 1S PATTERN: OFFSET BONNET: INTEGRAL GAUGE CONNECTION: RIDGED 1/2" NPTF VESSEL CONNECTION: UNION 3/4" NPTM VENT DRAIN CONNECTION: 1/2" NPTF BALL CHECK SHUTOFF: HORIZONTAL UPPER AND LOWER GAUGE COCKS SEATS: INTEGRAL HAND WHEEL WITH STANDARD PITCH THREADS 16IN VESSEL CENTER TO CENTER CONNECTIONS **DESIGN PRESS AND TEMP: 1700 PSIG @ 400°F</p>
8	60	031-000415	4	EA	
8	70	140-000001	4	EA	CHOCKFAST RED SG GROUT EACH UNIT
ASSEMBLY 8 SCRUBBERS - SUBASSEMBLY 48 STAGE 1 SCRUBBER					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
48	10	126-000003	1	EA	<p>ED W SMITH VANE PACK, MODEL: BT-1 MAXIMUM GAS FLOW: 24.7 MMSCFD, GAS SG: 0.776, MINIMUM PRESSURE: 48 PSIG, MAXIMUM TEMP: 80°F MINIMUM VESSEL ID: 36", MINIMUM NOZZLE DIAMETER: 10" NPS SELECTED VESSEL ID: 37", SELECTED NOZZLE DIAMETER: 16" INLET / 14" OUTLET ESTIMATED WEIGHT: 689 LBS CARBON STEEL BOX WITH STAINLESS STEEL VANES REFERENCE DRAWING A-17145</p>
48	20	146-000001	1	EA	<p>38" OD (0.5" THICK) ROLLED PLATE CUT TO 104" S/S ± 1/16" CUT TO LENGTH, TACKED ONLY SA516-70 CARBON STEEL MATERIAL 37-1/2 DEG BEVEL ON LONG AND CIRC SEAMS, ROOT GAP = 1/8" ± 1/16"</p> <p>STRAPPING OF THE SHELL SHALL BE WITHIN A TOLERANCE OF THE THEORETICAL CIRCUMFERENCE OF THIS DIAMETER SHELL AS OUTLINED: SHELL STRAPPING TOLERANCE: ± 0.41" MINIMUM STRAPPING DIMENSION: 118.9666" MAXIMUM STRAPPING DIMENSION: 119.7874"</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED SHELL SHALL BE ROLLED MEETING UG-79 AND UG-80 REQUIREMENTS WELDS SHALL BE PERFORMED TO QUALIFIED WELD PROCEDURES NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN</p>

48	30	146-000002	1 EA	<p>38" OD (0.5" THICK) ROLLED PLATE CUT TO 76" S/S $\pm 1/16$" CUT TO LENGTH, TACKED ONLY SA516-70 CARBON STEEL MATERIAL NO BEVEL REQUIRED, ROOT GAP = $1/8$" $\pm 1/16$"</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED SHELL SHALL BE ROLLED MEETING UG-79 AND UG-80 REQUIREMENTS WELDS SHALL BE PERFORMED TO QUALIFIED WELD PROCEDURES NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN TO BE USED FOR SCRUBBER SKIRT MATERIAL</p>
48	40	146-000004	1 EA	<p>38" OD (0.5" THICK) ROLLED PLATE CUT TO 96" S/S $\pm 1/16$" CUT TO LENGTH, TACKED ONLY SA516-70 CARBON STEEL MATERIAL NO BEVEL REQUIRED, ROOT GAP = $1/8$" $\pm 1/16$"</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED SHELL SHALL BE ROLLED MEETING UG-79 AND UG-80 REQUIREMENTS WELDS SHALL BE PERFORMED TO QUALIFIED WELD PROCEDURES NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN TO BE USED FOR NOZZLE REPAD MATERIAL</p>
48	50	145-000007	2 EA	<p>38" OD X 0.5" NOM. THICK X 0.44" MIN. THICK 2:1 ELLIPTICAL HEAD W/ 2" SF SA516-70 CARBON STEEL MATERIAL 37-1/2 DEG BEVEL</p> <p>STRAPPING OF THE HEAD SHALL BE WITHIN A TOLERANCE OF THE THEORETICAL CIRCUMFERENCE OF THIS DIAMETER HEAD AS OUTLINED: HEAD STRAPPING TOLERANCE: ± 0.375" MINIMUM STRAPPING CIRCUMFERENCE: 119.002" MAXIMUM STRAPPING CIRCUMFERENCE: 119.752"</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED HEADS SHALL BE FORMED MEETING UG-79 REQUIREMENTS HEADS SHALL BE FORMED MEETING UG-81 TOLERANCES HEADS SHALL BE HOT FORMED OR SUBSEQUENTLY HEAT TREATED NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN</p>
48	60	027-002205-01A	1 EA	<p>PIPE FITTING RAISED FACE FLANGE WELD NECK 16IN 300# SCH. 40 (0.500INW.) SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GF SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED</p>

48	70	027-002183-01A	1 EA	PIPE FITTING RAISED FACE FLANGE WELD NECK 14IN 300# SCH. XH (0.500INW.) SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN	
				TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED	
48	80	043-000560-01A	2 FT	PIPE, 16IN, SCH. 40 (0.5" W.), SA-106-B, SEAMLESS, TO BE USED FOR ASME CODE CONSTRUCTION, MATERIAL TEST REPORT IS REQUIRED, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN	
48	90	043-000561-01A	2 FT	PIPE, 14IN, SCH. EXTRA HEAVY (0.5" W.), SA-106-B, SEAMLESS, TO BE USED FOR ASME CODE CONSTRUCTION, MATERIAL TEST REPORT IS REQUIRED, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN	
48	100	027-000843-01	1 EA	PIPE FITTING 45 DEG ELBOW SOCKET WELD 1IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN	
48	110	027-002338-01A	2 EA	PIPE FITTING, HALF COUPLING, THREADED, 2IN 6000#, SA-105, TO BE USED FOR ASME CODE CONSTRUCTION, MATERIAL TEST REPORT IS REQUIRED, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN	
48	120	027-000879-01	1 EA	PIPE FITTING COUPLING NPT 2IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN	
48	130	027-000873-01	3 EA	PIPE FITTING COUPLING NPT 1IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN	
48	150	027-000869-01	1 EA	PIPE FITTING COUPLING NPT 1/2IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN	
48	160	027-000871-01	3 EA	PIPE FITTING COUPLING NPT 3/4IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN	
48	170	027-001090-01	1 EA	1IN MNPT HEX HEAD PLUG, SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN	
48	180	047-000546	1 FT	STEEL CHANNEL, 6IN X 8.2LB/FT, SA-36	
48	190	032-001644	3 EA	5/8IN THICK STEEL PLATE, SA-36, RATED FOR 6000#, REFERENCE DRAWING 59028 FOR DETAILS	
48	200	047-000252	3 FT	STEEL BAR, 1/2 X 3, A36	
48	210	043-000099-01	6 FT	PIPE, 2IN, SCH. 80 (0.218" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN	
48	220	043-000042-01	2 FT	PIPE, 1IN, SCH. 160 (0.25" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN	
48	230	047-000624	1 EA	3/8IN THICK DIVERTER PLATE FOR SCRUBBER INLET, SA-36 41IN LONG X 20-5/16IN WIDE CUT/BENT AS PER DRAWING 902253, SHEET 3	
ASSEMBLY 8 SCRUBBERS - SUBASSEMBLY 49 STAGE 2 SCRUBBER					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
49	10	126-000004	1 EA		ED W SMITH VANE PACK, MODEL: BT-1 MAXIMUM GAS FLOW: 28.48 MMSCFD, GAS SG: 0.776, MINIMUM PRESSURE: 176 PSIG, MAXIMUM TEMP: 140°F MINIMUM VESSEL ID: 30", MINIMUM NOZZLE DIAMETER: 8" NPS SELECTED VESSEL ID: 31", SELECTED NOZZLE DIAMETER: 10" NPS ESTIMATED WEIGHT: 502 LBS CARBON STEEL BOX WITH STAINLESS STEEL VANES REFERENCE DRAWING A-17146

49	20	146-000003	1 EA	<p>32" OD (0.5" THICK) ROLLED PLATE CUT TO 92" S/S $\pm 1/16"$ CUT TO LENGTH, TACKED ONLY SA516-70 CARBON STEEL MATERIAL 37-1/2 DEG BEVEL ON LONG AND CIRC SEAMS, ROOT GAP = $1/8" \pm 1/16"$</p> <p>STRAPPING OF THE SHELL SHALL BE WITHIN A TOLERANCE OF THE THEORETICAL CIRCUMFERENCE OF THIS DIAMETER SHELL AS OUTLINED: SHELL STRAPPING TOLERANCE: $\pm 0.41"$ MINIMUM STRAPPING DIMENSION: 100.1176" MAXIMUM STRAPPING DIMENSION: 100.9384"</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED SHELL SHALL BE ROLLED MEETING UG-79 AND UG-80 REQUIREMENTS WELDS SHALL BE PERFORMED TO QUALIFIED WELD PROCEDURES NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN</p>
49	30	146-000005	1 EA	<p>32" OD (0.5" THICK) ROLLED PLATE CUT TO 84" S/S $\pm 1/16"$ CUT TO LENGTH, TACKED ONLY SA516-70 CARBON STEEL MATERIAL NO BEVEL REQUIRED, ROOT GAP = $1/8" \pm 1/16"$</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED SHELL SHALL BE ROLLED MEETING UG-79 AND UG-80 REQUIREMENTS WELDS SHALL BE PERFORMED TO QUALIFIED WELD PROCEDURES NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN</p> <p>TO BE USED FOR SCRUBBER SKIRT MATERIAL</p>
49	40	146-000006	1 EA	<p>32" OD (0.5" THICK) ROLLED PLATE CUT TO 80" S/S $\pm 1/16"$ CUT TO LENGTH, TACKED ONLY SA516-70 CARBON STEEL MATERIAL NO BEVEL REQUIRED, ROOT GAP = $1/8" \pm 1/16"$</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED SHELL SHALL BE ROLLED MEETING UG-79 AND UG-80 REQUIREMENTS WELDS SHALL BE PERFORMED TO QUALIFIED WELD PROCEDURES NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN</p> <p>TO BE USED FOR NOZZLE REPAD MATERIAL</p>

49	50	145-000008	2	EA	<p>32" OD X 0.5" NOM. THICK X 0.44" MIN. THICK 2:1 ELLIPTICAL HEAD W/ 2" SF SA516-70 CARBON STEEL MATERIAL 37-1/2 DEG BEVEL</p> <p>STRAPPING OF THE HEAD SHALL BE WITHIN A TOLERANCE OF THE THEORETICAL CIRCUMFERENCE OF THIS DIAMETER HEAD AS OUTLINED: HEAD STRAPPING TOLERANCE: ± 0.375" MINIMUM STRAPPING CIRCUMFERENCE: 100.153" MAXIMUM STRAPPING CIRCUMFERENCE: 100.903"</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED HEADS SHALL BE FORMED MEETING UG-79 REQUIREMENTS HEADS SHALL BE FORMED MEETING UG-81 TOLERANCES HEADS SHALL BE HOT FORMED OR SUBSEQUENTLY HEAT TREATED NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN</p>
49	60	027-000523-01A	2	EA	PIPE FITTING, RAISED FACE FLANGE, BUTTWELD, 10IN 300#, SCH. EXTRA HEAVY (0.5" W.), SA-105, TO BE USED FOR ASME CODE CONSTRUCTION, MATERIAL IS REQUIRED, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, SOUTH AFRICA, SOUTH KOREA, JAPAN
49	70	043-000260-01A	3	FT	PIPE, 10IN, SCH. EXTRA HEAVY (0.5" W.), SA-106-B, SEAMLESS, TO BE USED FOR ASME CODE CONSTRUCTION, MATERIAL TEST REPORT IS REQUIRED, UEC AC COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH A KOREA, JAPAN
49	80	027-001012-01	1	EA	PIPE FITTING, 90 DEG ELBOW (FORGED) SOCKET WELD, 1IN 3000#, SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
49	110	027-002338-01A	2	EA	PIPE FITTING, HALF COUPLING, THREADED, 2IN 6000#, SA-105, TO BE USED FOR ASME CODE CONSTRUCTION, MATERIAL TEST REPORT IS REQUIRED, UEC AC COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH A KOREA, JAPAN
49	130	027-000873-01	3	EA	PIPE FITTING COUPLING NPT 1IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANC SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
49	150	027-000869-01	1	EA	PIPE FITTING COUPLING NPT 1/2IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRAI AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
49	160	027-000871-01	3	EA	PIPE FITTING COUPLING NPT 3/4IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRAI AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
49	170	027-001090-01	1	EA	1IN MNPT HEX HEAD PLUG, SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN
49	180	047-000546	1	FT	STEEL CHANNEL, 6IN X 8.2LB/FT, SA-36
49	190	032-001644	3	EA	5/8IN THICK STEEL PLATE, SA-36, RATED FOR 6000#, REFERENCE DRAWING 59028 FOR DETAILS
49	200	027-000886-01	1	EA	PIPE FITTING, COUPLING, SOCKET WELD, 1IN 3000#, SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERM FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
49	210	027-001743-01	1	EA	PIPE FITTING, UNION, THREADED, 1IN 3000#, SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FI AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
49	220	047-000252	2	FT	STEEL BAR, 1/2 X 3, A36
49	230	047-000619	1	FT	STEEL BAR;1/4IN X 2IN, SA-36
49	240	043-000099-01	5	FT	PIPE, 2IN, SCH. 80 (0.218" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FR AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
49	250	043-000042-01	2	FT	PIPE, 1IN, SCH. 160 (0.25" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FR AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
ASSEMBLY 8 SCRUBBERS - SUBASSEMBLY 50 STAGE 3 SCRUBBER					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc

50	10	126-000005	1 EA	<p>ED W SMITH VANE PACK, MODEL: BT-1 MAXIMUM GAS FLOW: 28.48 MMSCFD, GAS SG: 0.776, MINIMUM PRESSURE: 442 PSIG, MAXIMUM TEMP: 140°F MINIMUM VESSEL ID: 23", MINIMUM NOZZLE DIAMETER: 6" NPS SELECTED VESSEL ID: 24.75", SELECTED NOZZLE DIAMETER: 8" NPS ESTIMATED WEIGHT: 360 LBS CARBON STEEL BOX WITH STAINLESS STEEL VANES REFERENCE DRAWING A-17147</p>
50	20	146-000007	1 EA	<p>26" OD (0.625" THICK) ROLLED PLATE CUT TO 90" S/S ± 1/16" CUT TO LENGTH, TACKED ONLY SA516-70 CARBON STEEL MATERIAL 37-1/2 DEG BEVEL ON LONG AND CIRC SEAMS, ROOT GAP = 1/8" ± 1/16"</p> <p>STRAPPING OF THE SHELL SHALL BE WITHIN A TOLERANCE OF THE THEORETICAL CIRCUMFERENCE OF THIS DIAMETER SHELL AS OUTLINED: SHELL STRAPPING TOLERANCE: ± 0.607" MINIMUM STRAPPING DIMENSION: 81.0723" MAXIMUM STRAPPING DIMENSION: 82.2857"</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED SHELL SHALL BE ROLLED MEETING UG-79 AND UG-80 REQUIREMENTS WELDS SHALL BE PERFORMED TO QUALIFIED WELD PROCEDURES NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN</p>
50	30	146-000008	1 EA	<p>26" OD (0.625" THICK) ROLLED PLATE CUT TO 104" S/S ± 1/16" CUT TO LENGTH, TACKED ONLY SA516-70 CARBON STEEL MATERIAL NO BEVEL REQUIRED, ROOT GAP = 1/8" ± 1/16"</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED SHELL SHALL BE ROLLED MEETING UG-79 AND UG-80 REQUIREMENTS WELDS SHALL BE PERFORMED TO QUALIFIED WELD PROCEDURES NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN TO BE USED FOR SCRUBBER SKIRT MATERIAL</p>

50	40	146-000009	1	EA	<p>26" OD (0.625" THICK) ROLLED PLATE CUT TO 64" S/S ± 1/16" CUT TO LENGTH, TACKED ONLY SA516-70 CARBON STEEL MATERIAL NO BEVEL REQUIRED, ROOT GAP = 1/8" ± 1/16"</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED SHELL SHALL BE ROLLED MEETING UG-79 AND UG-80 REQUIREMENTS WELDS SHALL BE PERFORMED TO QUALIFIED WELD PROCEDURES NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN TO BE USED FOR NOZZLE REPAD MATERIAL</p>
50	50	145-000009	2	EA	<p>26" OD X 0.625" NOM. THICK X 0.55" MIN. THICK 2:1 ELLIPTICAL HEAD W/ 2" SF SA516-70 CARBON STEEL MATERIAL 37-1/2 DEG BEVEL</p> <p>STRAPPING OF THE HEAD SHALL BE WITHIN A TOLERANCE OF THE THEORETICAL CIRCUMFERENCE OF THIS DIAMETER HEAD AS OUTLINED: HEAD STRAPPING TOLERANCE: ± 0.375" MINIMUM STRAPPING CIRCUMFERENCE: 81.304" MAXIMUM STRAPPING CIRCUMFERENCE: 82.054"</p> <p>TO BE USED FOR ASME CODE CONSTRUCTION MATERIAL TEST REPORT IS REQUIRED HEADS SHALL BE FORMED MEETING UG-79 REQUIREMENTS HEADS SHALL BE FORMED MEETING UG-81 TOLERANCES HEADS SHALL BE HOT FORMED OR SUBSEQUENTLY HEAT TREATED NO REPAIRS ALLOWED MATERIAL OF ORIGIN SHALL BE FROM USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELG AFRICA, SOUTH KOREA, JAPAN</p>
50	60	027-002127-01A	2	EA	<p>PIPE FITTING, RAISED FACE FLANGE, WELD NECK, 8IN 300#, SCH. 80 (0.5" W.), SA-105, TO BE USED FOR ASME CODE CONSTRUCTION, MATERIAL TEST REPORT REQUIRED, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL/ BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN</p>
50	70	043-000224-01A	3	FT	<p>PIPE, 8IN, SCH. 80 (0.5" W.), SA-106-B, SEAMLESS, TO BE USED FOR ASME CODE CONSTRUCTION, MATERIAL TEST REPORT IS REQUIRED, UEC ACCEPTABLE C ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH JAPAN</p>
50	80	027-001012-01	1	EA	<p>PIPE FITTING, 90 DEG ELBOW (FORGED) SOCKET WELD, 1IN 3000#, SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN</p>
50	110	027-002338-01A	2	EA	<p>PIPE FITTING, HALF COUPLING, THREADED, 2IN 6000#, SA-105, TO BE USED FOR ASME CODE CONSTRUCTION, MATERIAL TEST REPORT IS REQUIRED, UEC AC COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH A KOREA, JAPAN</p>
50	130	027-000873-01	3	EA	<p>PIPE FITTING COUPLING NPT 1IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANC SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN</p>
50	150	027-000869-01	1	EA	<p>PIPE FITTING COUPLING NPT 1/2IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRAI AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN</p>
50	160	027-000871-01	3	EA	<p>PIPE FITTING COUPLING NPT 3/4IN 6000# SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRAI AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN</p>
50	170	027-001090-01	1	EA	<p>1IN MNPT HEX HEAD PLUG, SA-105 - UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA AND JAPAN</p>

50	180	047-000546		1 FT	STEEL CHANNEL, 6IN X 8.2LB/FT, SA-36
50	190	032-001644		3 EA	5/8IN THICK STEEL PLATE, SA-36, RATED FOR 6000#, REFERENCE DRAWING 59028 FOR DETAILS
50	200	027-000886-01		1 EA	PIPE FITTING, COUPLING, SOCKET WELD, 1IN 3000#, SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERM FRANCE, AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
50	210	027-001743-01		1 EA	PIPE FITTING, UNION, THREADED, 1IN 3000#, SA-105, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FI AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
50	220	047-000252		2 FT	STEEL BAR, 1/2 X 3, A36
50	230	047-000619		2 FT	STEEL BAR;1/4IN X 2IN, SA-36
50	240	043-000099-01		5 FT	PIPE, 2IN, SCH. 80 (0.218" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FR AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
50	250	043-000042-01		2 FT	PIPE, 1IN, SCH. 160 (0.25" W.), SA-106-B, SEAMLESS, UEC ACCEPTABLE COUNTRY OF ORIGIN - USA, CANADA, MEXICO, GREAT BRITAIN, SPAIN, GERMANY, FR AUSTRIA, SWITZERLAND, PORTUGAL, ITALY, BELGIUM, SOUTH AFRICA, SOUTH KOREA, JAPAN
ASSEMBLY 8 SCRUBBERS - SUBASSEMBLY 51 STAGE 4 SCRUBBER (SUBCONTRACTED)					
Asm	Mtl	Part	Qty/Packag	UOM	Long Desc
51	10	126-000006		1 EA	ED W SMITH VANE PACK, MODEL: BT-1 MAXIMUM GAS FLOW: 28.48 MMSCFD, GAS SG: 0.776, MINIMUM PRESSURE: 682 PSIG, MAXIMUM TEMP: 140°F MINIMUM VESSEL ID: 20.938", MINIMUM NOZZLE DIAMETER: 6" NPS SELECTED VESSEL ID: 22.5", SELECTED NOZZLE DIAMETER: 6" NPS ESTIMATED WEIGHT: 310 LBS CARBON STEEL BOX WITH STAINLESS STEEL VANES REFERENCE DRAWING A-17148
51	20	049-000019		1 EA	STAGE 4 SUCTION SCRUBBER: VANE PACK STYLE SCRUBBER - 24" OD X 88" S-S - 24" (0.750" W) ROLLED SHELL, SA-516-70 - MAWP: 900 PSIG @ 350°F, MDMT: -20°F - CORROSION ALLOWANCE: 1/8" - INLET NOZZLE (QTY. 1): 6" 600#, RFWN FLANGE, SCH.80 (0.432" W) SA-106-B - OUTLET NOZZLE (QTY. 1): 6" 600#, RFWN FLANGE, SCH.80 (0.432" W) SA-106-B - REINFORCEMENT REPAD ON ALL PROCESS CONNECTIONS, 12" OD, 0.375" THICK - COUPLING CONNECTIONS: (QTY.1) ½" 6000# FULL COUPLING (QTY. 3) ¾" 6000# FULL COUPLINGS (QTY. 3) 1" 6000# FULL COUPLINGS (QTY. 2) 2" 6000# HALF COUPLINGS - VANE PACK PROVIDED BY UEC - REFERENCE DRAWING 902256 FOR DETAILS