



P-760
 MAKE: VIKING
 MODEL: G-4195
 HP/RPM: 1HP/1150 RPM
 208/230/460V/3PH/60HZ
 TEFC
 CLASS I, DIV II, ZONE 2,
 GROUPS B,C & D
 TEMP CODE T3

C-760
 MAKE: GLOBAL HEAT TRANSFER
 MODEL: AX16250
 HP/RPM: 1/2 HP/ 3450 RPM
 120V/1PH/60HZ
 XP
 CLASS I, DIV II, ZONE 2
 GROUPS B,C & D
 TEMP CODE T3

BILL OF MATERIALS			
MK	QTY	PART NUMBER	DESCRIPTION
600	0	PNL.0001	PANEL MOUNTED BALL VALVE AND TEST TEE, 1/4", 316SS MFG: SWAGelok MODEL: SS-43GS4 (QTY: 1, c/w PANEL)
610	1	LLC-500	CONTROLLER/SWITCH, OIL LEVEL, XP, UNIVERSAL MOUNT MFG: KENCO MODEL: KLCE-9
615	1	HEE-1129	HEAT EXCHANGER, 1"-FNPT, 6GPM, MAWP:250PSIG@250°F, 1 PASS, 3450RPM, 1/2HP, 120V/1PH/60HZ,TEXP, NEMA:56C MFG: GLOBAL HEAT TRANSFER MODEL: AX16 250
638	2	TI-1018	IND, TEMP, 0-250°F, 5"DIAL, 1/2"-NPT, 1/4" X 2-1/2", CBM, SS MFG: WIKA MODEL: 50025D006G4
640	1	PMP-1082	PUMP, GEAR, 1"-FNPT X 1"-FNPT, 6GPM@1150RPM, W/ MOTOR: ELECTRIC, 1HP, CL I DIV II, C/W BASEPLATE MFG: VIKING MODEL: G-4195
650	1	TCP-K403	THERMOCOUPLE,"K",1/2"NPT,1/4"ODX4" 316SS MFG: WESTERN GAUGE MODEL: 1K1BKU4ZZ3120FTA
653	3	TOW-275N	THERMOWELL, STRT, 3/4"MNP1x1/2"FNPT, 1.375"U, 0.26" ID, 2.75"OAL MFG: WESTERN GAUGE MODEL: 3/4-025-316
655	0	NPN	TRANSMITTER, PRESSURE, 0-800 PSIG, 4-20 MA OUTPUT, MFG: ROSEMOUNT, MODEL: 2051, (QTY: 1, C/W PANEL)
666	2	BVS-0025	VALVE, BALL, 1"-NPT, CL1500, FP, 3PCS, FL, NACE MFG: JAG MODEL: T3-F10T15N
667	2	BVS-0025	VALVE, BALL, 1"-NPT, CL1500, FP, 3PCS, FL, NACE MFG: JAG MODEL: T3-F10T15N
668	3	BV-1193	VALVE, BALL, 1/2"-FNPT, CL1500, BODY:A105N, SEAT:DELRLN, TRIM:316 SS, FP, FLOATING, 3 PIECE THREADED, LOCKABLE LEVER, NACE MFG: JAG MODEL: T3-F05T15N
678	1	GTS-0014	VALVE, GATE, 1"-FNPT, CL800, SWEET MFG: NEWCO MODEL: 18T-FS2-RP-1"
680	1	NVSA-026F	VALVE, NEEDLE, 1/4" X 1/4" F, NPT, 6000#, SWT MFG: WESTERN GAUGE MODEL: WN1612PN
691	1	SCS-0014	VALVE, CHK, SWING, 1", FNPT, CL800, SWT MFG: NEWCO MODEL: 1.00-38T-FS2
700	1	FLT-1039	FILTER, ARIEL CYLINDER LUBE OIL, 5 MICRON MFG: ARIEL MODEL: G-24184

STANDARD TUBING SIZES	LINETYPE LEGEND	PNEUMATIC TERMINATIONS	INSTRUMENTATION TAGGING LEGEND	THIS DRAWING IS SOLE PROPERTY OF BIDELL EQUIPMENT AND SHALL NOT BE REPRODUCED, COPIED, LENT, ALTERED NOR USED FOR ANY PURPOSE OTHER THAN WHICH IT IS FURNISHED EXCEPT WITH THE WRITTEN PERMISSION OF BIDELL EQUIPMENT
*1/4" - 0.049"	PROCESS PIPING	INSTRUMENT AIR	LOCAL MOUNTED DEVICE	AS BUILT AS BUILT BUILT 2015/10/14
*3/8" - 0.049"	UTILITY PIPING	VENT LOCALLY	PANEL MOUNTED DEVICE	
1/2" - 0.049"	SEAMLESS TUBING		OFF-SKID MOUNTED DEVICE	
3/4" - 0.065"	ELECTRICAL WIRING		SIGNAL TO PANEL	
1" - 0.083"	INTERNAL LOGIC		SIGNAL TO OFF-SKID	
*PER CLIENT SPEC	OEM SUPPLIED		PANEL LOGIC	
	ASSEMBLY BOUNDARY			
	BUILDING WALL			
	DRIVETRAIN			
	CUSTOMER SUPPLIED			
	EXISTING EQUIPMENT			
ALL TUBING TO BE 316SS				

REV	DATE	CREATED	REVIEWED	APPROVED	DESCRIPTION
0	15-10-14	GW	TT	GM	AS BUILT
REVISIONS					
MAIN SHOP / OFFICE 6900 - 112th AVENUE S.E. CALGARY, AB T2C 4Z1 PHONE: (403) 235-5877 FAX: (403) 272-7749					
BIDELL™				APEGA PERMIT NUMBER P08318	
GAS COMPRESSION					
COMPRESSOR OIL UTILITY FLOW DIAGRAM					
WEG 350HP ELECTRIC/ARIEL JGR/2/AIR-X-LIMITED 96AEF					
CUSTOMER: ENCAN c/o EQUINOX ENGINEERING					
LOCATION: KAYBOB GAS PLANT PHASE 3 (DE-ETHANIZER)				SHEET#: 1 OF 1	
LSD: 15-31-062-21 W5M				JOB#: 14-927	
PAPER SIZE 11"x17"	SCALE NTS	DWG#	14-927-760		REV 0