

LOCATION:	Bindloss	LSD:	14-31-20-01 W4M
UNIT No:	1029	Rev. # 0	June 16, 2003
DELIVERY DATE:	June 18, 2003		
PROJECT STAFF:	Rob Eagleson, Derek Brown, Phil Ness		
CUSTOMER CONTACT:	Ted Yagos (Yagos Consulting Ltd.)		
	Phone No: (403) 512-6663 Fax No: (403) 528-2591		
DRIVER:	Waukesha H24GL	S/N:	C-14429/1
	Ignition System Model: C.E.C.		
COMPRESSOR:	A354-3	S/N:	A173
	Cylinder Lube Cycle Time: 13.8	USPPD at 32.6	SECS/cycle
COOLER:	Make: Amercool	Model: 96VCIA	S/N: 2003C219A
PANEL:	Make: Spartan Controls	Model: REMVue 500-S	S/N: RM-09028-AA

DESCRIPTION	THROW 1	THROW 2	THROW 3	THROW 4
STAGE	ONE	THREE	ONE	TWO
BORE (IN.)	11.5	4.5	11.5	7.5
STROKE (IN.)	3.5	3.5	3.5	3.5
SERIES	90	90	90	90
MAWP (PSI)	275	1850	275	840
VVCP YES/NO	YES	YES	YES	YES
ROD TYPE STD/TC.	STD	STD	STD	STD
DIST. PC. YES/NO	NO	NO	NO	NO
SERIAL NO.	90G1264	90C727	90G1265	90G1339
PACKING SYSTEM	Standard/Purge Gas		STANDARD	
	1st	3rd	1st	2nd
VALVE TAILOR				
SUCTION	1-01-55145	2-01-20296	1-01-55145	2-01-30396
MATERIAL	MT	MT	MT	MT
DISCHARGE	1-01-55146	3-01-20297	1-01-55146	2-03-30397
MATERIAL	MT	MT	MT	MT

DESCRIPTION	STAGE 1	STAGE 2	STAGE 3		
DIAM. (IN.)	18	16	12.75		
LENGTH S/S (IN.)	72	72	60		
MAWP (PSI)	655	655	1315		
MDMT (DEG. F)	300	300	300		
SERIAL NO.	1029S1	1029S2	1029S3		

PULSATION BOTTLES - SUCTION / DISCHARGE						
DIAM. (IN.)	18	14	EXP	EXP	EXP	EXP
LENGTH (IN.)	48	48	PIPE	PIPE	PIPE	PIPE
MAWP (PSI)	655	655				
MDMT (DEG. F)	300	300				
SERIAL NO	952P1	952P2				

PROVINCE(S) OF REGISTRATION	Yes/No	B.C.- NO	AB- YES	SASK- NO
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NOTE: SCRUBBERS REGISTERED IN BC, AB & SK. STAGE 1 BOTTLES AB REG. ONLY.



TITLE:
PROCESS BILL OF MATERIALS
ENGINE: WAUKESHA H24GL
FRAME: GEMINI A354-3
COOLER: AMERCOOL 96V CIA

CUSTOMER:
CITY OF MEDICINE HAT
C/O YAGOS CONSULTING LTD.
BINDLOSS GAS COMPRESSOR
LSD: 14-31-20-01 W4M

DATE: 03/12/03 BY: DB DATE RELEASED: 06/16/03 RELEASED BY: JLE
STEP #: 410 UNIT #: 1029 DRAWING #: 1029PFLOW REV.: 1

ITEM	PART #	DESCRIPTION	QTY
01	11A468	ACTUATOR, GARZO, 501-12-315, 3-15 PSI SPRING (c/w Cooler)	3
02	88A739	CONTROLLER, LEVEL, NORRISEAL 1001A-L, 2" NPT, VERTICAL DISPLACER, LEFT MOUNT	2
03	11A466	CONTROLLER, TEMPERATURE, KIMRAY, #T12, 1/2" NPT (c/w Cooler)	3
04	71TL	GAUGE, LEVEL, DANIEL, 71-TL	2
05	NPN	VALVE, BALL, NUTRON, R20R09B, 1 1/2"-900#RF, REG. PORT	1
06	11A915	SWITCH, LEVEL, NORRISEAL, 1005E, 2" NPT	3
07	ATS-3906	THERMOCOUPLE, TYPE 'K', ATS ALLTEMP 3906, 6" PROBE, 5' CAPILLARY	4
08	88A185	THERMOMETER, TREND, 3" FACE, 4" PROBE, 0-250 DEG. F. DUAL SCALES (SHIPPED LOOSE).	3
09	88A767	THERMOMETER, TREND, 3" FACE, 4" PROBE, -40-120 DEG. F. DUAL SCALES (SHIPPED LOOSE).	2
11	88E262	VALVE, BALL, NUTRON, R20R09B, 2"-900#RF, REG. PORT	3
12	37D002	THERMOWELL, 1/2" x 3/4" x 4" LG., 0.260" BORE 304SS	13
13	88A729	CONTROLLER, LEVEL, NORRISEAL 1001A-R, 2" NPT, VERTICAL DISPLACER, RIGHT HAND MOUNT.	1
14	88E075	VALVE, BALL, NUTRON R05S30B, 1/2"-3000#, REG. PORT	3
15	88E073	VALVE, BALL, NUTRON R10S30B, 1"-3000#, REG. PORT	9
16	88A307	VALVE, SWING CHECK, WHEATLEY, 1"-NPT, 2160 PSIG MAWP	2
17	88A908	VALVE, DUMP, NORRISEAL 2275, 1" NPT, SIZE 9 ACTUATOR, 3/8" PORT, 3-15 PSIG SIGNAL, FAIL-CLOSED.	3
18	1SVALVE34	VALVE, GAUGE, DANIEL, 1S, 1 SET, 3/4" PROCESS CONNECTIONS, 1/2" GAUGE AND DRAIN CONNECTIONS	3
19	88A037	THERMOMETER, TREND, 3" FACE, 4" PROBE, 50-500 DEG. F. DUAL SCALES (SHIPPED LOOSE).	4
20	11A874	VALVE, IN-LINE CHECK, DURABLA, BSS .5" x 1", 2000#	1
21	M11S	VALVE, BALL, MERIDIAN, 1/4" NPT MODEL 11S 1M SCRD C/W LOCKING HANDLE, A351CF8M BODY & BALL 316SS STEM	3



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 C/O YAGOS CONSULTING LTD.
 BINDLOSS GAS COMPRESSOR
 LSD: 14-31-20-01 W4M

DATE:03/12/03	BY: DB	DATE RELEASED: 06/16/03	RELEASED BY: RE
STEP #: 410	UNIT #: 1029	DRAWING #: 1029PFLOW	REV.: 1

ITEM	PART #	DESCRIPTION	QTY
22	NPN	VALVE, RELIEF, FARRIS, MODEL 26GA12-120, 1 1/2"-300# RF x 2 1/2"-150# RF, SET @ 275 PSIG @ 300 DEG.F,	1
23	NPN	VALVE, RELIEF, FARRIS, MODEL 26DA13-120, 1"-600# RF x 2"-150# RF, SET @ 840 PSIG @ 300 DEG.F,	1
24	NPN	VALVE, RELIEF, FARRIS, MODEL 26DA14-120, 1 1/2"-900# RF x 2"-300# RF, SET @ 1250 PSIG @ 300 DEG.F,	1
25	67CFR/0-35	REGULATOR, FISHER, 67CFR, 0-35 PSIG SPRING	3
26	NPN	VALVE, CONTROL, AUTO BYPASS, CVS SERIES 'D', 2"-900# RF, FAIL OPEN, 6-30 PSI, 3/4" TRIM, 316 SST, 45 ACTUATOR	1
27	NPN	VALVE, CONTROL, SUCTION, FISHER V-200, 4"-300# RF c/w 1051 SIZE 40 ACTUATOR, 3610J POSITIONER, 67CFR REGULATOR	1
28	NPN	GAUGE, PRESSURE, WIKA, 0-60 PSI, 4" FACE, 1/2" NPT, BACK MOUNT	1
29	71TM	GAUGE, LEVEL, DANIEL, 71-TM	1
30	NPN	GAUGE, PRESSURE, WIKA, 0-200 PSI, 4" FACE, 1/4" NPT, BACK MOUNT	1
31	NPN	GAUGE, PRESSURE, WIKA, 0-600 PSI, 4" FACE, 1/2" NPT, BACK MOUNT	1
32	88A607	VALVE, NEEDLE, CENTURY, 1/4" NPT	3

NO.	REVISION	DATE	BY
1	AS BUILT	06/16/03	RE
0	ISSUED FOR CONSTRUCTION	03/14/03	RE