

Rev	Item No	No Off	Item	Manufacturer	Part No	Size	Connection Type	Set Point	Range	Rating	AGA No
2	VBF 005	1	BUTTERFLY VALVE	KEystone	GRL 150 D12N AE K MAN AGA	150	Lugged, AS2129 Table E	-	-	1000	3245
2	STR 050	1	Y-STRAINER	BROOKS VALVES	YST - 150 UD	150	TABLE E FLANGE	-	-	-	
2	FIT 010	1	FLOW METER	FCI	ST51-3H11CN00	150	NPT	-	100 to 1,100m ³ /hr	-	-
2	PIT 011	1	PRESSURE TRANSMITTER (Differential)	YOKOGAWA	EJA110E-JMS4G-919EB	15	NPT	-	-25 to 5 Kpa	-	-
2	FAN 001	1	BIOGAS FAN	AEROTECH	F78 LANDFILL GAS FAN	-	-	-	-	-	-
2	MTR 001	1	BIOGAS FAN MOTOR	ABB	22kW ExD IECEx motor 415V/3Ph/50Hz	22kW	-	-	-	-	-
2	VSD 001	1	VSD	DANFOSS	FC102 - 131B8231	22kW	-	-	-	-	-
2	TRP 026	1	MOISTURE TRAP	SMC	AMG150C-02J	8	BSP	-	-	-	-
2	VNR 025	1	NON RETURN VALVE	SWAGELOK	SS-53F4 SS LIFT CHECK VALVE, 0.30 CV	8	NPT	-	-	-	-
2	FI 026	1	FLOWMETER	AMBIT INSTRUMENTATION	VFA-23-SSV (DWYER), 1/8" (0.6 - 5 l/min)	6	NPT	-	-	-	-
2	AE / AIT 026	1	METHANE DETECTOR	DRAEGER	POLYTRON 8700 WITH DISPLAY 0-100% METHANE PROCESS CUVETTE Ex d IIC T6/T4	6	BSP	-	0 to 100%	-	-
2	VBA 049	1	BALL VALVE	PENTAIR	F180F STAINLESS STEEL AGA LOCKABLE	15	BSP	-	-	10,000kPa	7338
2	PIT 033	1	PRESSURE TRANSMITTER (Gauge)	YOKOGAWA	EJA530E-JAS4N-019EL plus manifold M95VIS-44F-FR	15	NPT	-	0 to 25 Kpa	-	-
2	FSV 028	1	SAFETY SHUT OFF VALVE	KEystone	GRW 150 D12N M3 K B0 F89U SPRINT TO CLOSE ACTUATOR ASCO 240VAC SOLENOID VALVE	150	Wafer, AS2129 Table E	-	-	1000	7554
2	ZSC 028	1	LIMIT SWITCH	KEystone	F792 LP LIMIT SWITCH BOX WITH 2 V3 MECH SWITCHES	-	-	-	-	-	-
2	FSV 030	1	SAFETY SHUT OFF VALVE	KEystone	GRW 150 D12N M3 K B0 F89U SPRINT TO CLOSE ACTUATOR ASCO 240VAC SOLENOID VALVE	150	Wafer, AS2129 Table E	-	-	1000	7554
2	ZSC 030	1	LIMIT SWITCH	KEystone	F792 LP LIMIT SWITCH BOX WITH 2 V3 MECH SWITCHES	-	-	-	-	-	-
2	PSH 044	1	PRESSURE SWITCH	KROMSCHRODER	DG50UG-4 2.5-50 mbar IP65 GOL	8	BSP	4kPa	0.25 to 5kPa	60	-
2	FCV SL 033	1	GAS CONTROL VALVE (SURE LINK)	ABM / KEystone	MODIFIED per J4315-9000 GRW 100 D12N M3 K B0	100	Wafer, AS2129 Table E	-	-	-	-
2	MTR 033	1	MODULATION MOTOR	SIEMENS	SQM50.481A2 MOTOR (CW) AGA58.4, AGA56.41A27 4 - 20 MA INPUT CARD ASZ12.803 POTENTIOMETER	-	-	-	-	-	-
2	ZSL 033	1	LIMIT SWITCH	SIEMENS	LOW FIRE POSITION LIMIT SWITCH						-
2	FAR 034	1	FLAME ARRESTOR	KITO	KITO® EFA	DN150	ANSI CL-150	-	-	-	-

2	TE 034	1	RTD	WIKA	TR10-C	15	-	-	-50 to 500degC	-	-
2	VBA 035	1	BALL VALVE	PENTAIR	F180F STAINLESS STEEL AGA LOCKABLE	15	BSP	-	-	10,000kPa	7338
2	FC 031	1	FLOW CONTROL ORIFICE	ABM COMBUSTION	DIAM 17 MM ORIFICE PLATE	17	Flanged	-	-	-	-
2	FAR 032	1	FLAME ARRESTOR	KITO	KITO® EFA	DN40	ANSI CL-150	-	-	-	-
2	TE 032	1	RTD	WIKA	TR10-C	8	-	-	-50 to 500degC	-	-
2	VBA 045	1	BALL VALVE	PENTAIR	F180F STAINLESS STEEL AGA LOCKABLE	15	BSP	-	-	10,000kPa	7338
2	CPR 027	1	AIR COMPRESSOR	AIRMAC	T17-H 240V	-	-	-	-	-	-
2	XV 016	1	3/2 ISOLATION VALVE	SMC	VHS30-03B	10	BSP	-	-	-	-
2	FIL 001	1	MAIN AIR FILTER REGULATOR	SMC	AW30-03DH-B AR33P-270AS(BRACKET) G40-K10-01(GAUGE)	10	BSP	600kPa	0 to 1,000kPa	-	-
2	MANF 001	1	AIR MANIFOLD	LEGRIS	3 WAY MANIFOLD	8 & 10	BSP	-	-	-	-
2	PSL 001	1	FLARE PNEUMATIC PRESSURE SWITCH	IMI NORGREN	0880300	8	BSP	-	0.5 to 8bar	-	-
2	PV 007	1	AIR REGULATOR PRESSURE GAUGE	SMC	AR20-02H-1-B G36-K2-01-X7	1/4"	BSP	-	0 to 200kPa	-	-
2	XV 007	1	SOLENOID VALVE	PARKER	121K01 C/W 7000 SERIES SOLENOID 230 VAC 8W IP65	1/4"	BSP	-	-	500	6162
2	VNR 008	1	CHECK VALVE	SMC	AK2000-02	1/4"	BSP	-	-	-	-
2	EJR 007	1	VACUUM EJECTOR	SMC	ZH05DS-06-06-06	6	BSP	-	-	-	-
2	FAN 018	1	PRIMARY AIR FAN	AEROTECH	F10 AIR FAN	-	-	-	-	-	-
2	MTR 018	1	PRIMARY AIR FAN MOTOR	WEG	0.55kW 415V/3Ph/50Hz	0.55kW	-	-	-	-	-
2	PSL 019	1	PRESSURE SWITCH	KROMSCHRODER	DG50UG-4 2.5-50 mbar IP65 GOL	8	BSP	3kPa	0.25 to 5kPa	60	-
2	FC 016	1	FLOW CONTROL ORIFICE	ABM COMBUSTION	DIAM 9.5 MM ORIFICE PLATE	9.5	Flanged	-	-	-	-
2	FC 017	1	FLOW CONTROL ORIFICE	ABM COMBUSTION	DIAM 24 MM ORIFICE PLATE	24	Flanged	-	-	-	-
2	PV 013	1	LPG REGULATOR	KEEFER BROS	Auto Change Over Kit 460 MJ/hr GR-9984A- SC600HW	10	BSP	2.8kPa	-	-	-
2	VBA 012	1	BALL VALVE	ITAP	ART 267 08MM MXF FLAT HANDLE AG6227	8	BSP	-	-	1050	6227
2	FIL 048	1	GAS FILTER	ITAP	ART 193 Y STRAINER 1/4in	8	BSP	-	-	2000	-
2	XV 014	1	PILOT SOLENOID VALVE	PARKER	121K01 C/W 7000 SERIES SOLENOID 230 VAC 8W IP65	1/4"	BSP	-	-	500	6162
2	XV 015	1	PILOT SOLENOID VALVE	PARKER	121K01 C/W 7000 SERIES SOLENOID 230 VAC 8W IP65	1/4"	BSP	-	-	500	6162

2	ME 038	1	IGNITION TRANSFORMER	BRAHMA	T11M^1X9000V 20MA SIDE 33% 240VAC	-	-	-	-	-	-
2	BE 039	1	UV FLAME MONITOR SELF CHECK	SIEMENS	QRA53.E27, AGG16.C, AGM19	25	BSP	-	-	-	-
2	TE 036	1	THERMOCOUPLE	PYROSALES	ISA-T-3/8-K-E-300-I-S-A-C-B TYPE K THERMOCOUPLE	15	BSP	-	-	-	-
2	TE 037	1	THERMOCOUPLE	PYROSALES	ISA-T-3/8-K-E-300-I-S-A-C-B TYPE K THERMOCOUPLE	15	BSP	-	-	-	-
2	DPR 040	1	STACK DAMPER	ABM / BULLOCK	ALUMINIUM ACTUATED CONTROL DAMPER MODEL 6700	770 x 770	Flanged	-	-	-	-
2	MTR 040	1	MODULATION MOTOR	NEPTRONIC	TM220N	-	-	-	-	-	-
2	ZSO 040	1	LIMIT SWITCH	INTEGRAL TO NEPTRONIC TM2200N	INTEGRAL TO NEPTRONIC TM2200N	-	-	-	-	-	-
2	DPR 041	1	STACK DAMPER	ABM / BULLOCK	ALUMINIUM ACTUATED CONTROL DAMPER MODEL 6700	770 x 770	Flanged	-	-	-	-
2	MTR 041	1	MODULATION MOTOR	NEPTRONIC	TM220N	-	-	-	-	-	-
2	ZSO 041	1	LIMIT SWITCH	INTEGRAL TO NEPTRONIC TM2200N	INTEGRAL TO NEPTRONIC TM2200N	-	-	-	-	-	-
2	DPR 042	1	STACK DAMPER	ABM / BULLOCK	ALUMINIUM ACTUATED CONTROL DAMPER MODEL 6700	770 x 770	Flanged	-	-	-	-
2	MTR 042	1	MODULATION MOTOR	NEPTRONIC	TM220N	-	-	-	-	-	-
2	ZSO 042	1	LIMIT SWITCH	INTEGRAL TO NEPTRONIC TM2200N	INTEGRAL TO NEPTRONIC TM2200N	-	-	-	-	-	-
2	PSL 002	1	GCS PNEUMATIC PRESSURE SWITCH	IMI NORGREN	0880400	8	BSP	-	1 to 16bar	-	-
2		1	Pete Plugs	AGA Approved Pete plugs installed for sampling points							

						OEF 100 ENCLOSED FLARE P& ID ITEMS LIST
2	AS BUILT / COMMISSIONED	CB	9/08/2017	CS		
1	ISSUED FOR CONSTRUCTION	CS	10/04/2017			
A	ISSUED FOR REVIEW	CAB	7/12/2016			
REV	REVISION	DRN	DATE	CHKD		J4315-LIX-0005