

UNIT CONTROL PANEL	
TAG No. LPN-4108	
POWER SUPPLY:	690V/3Ph/50Hz (3WIRE)
NOMINAL DEMAND:	80 kVA
AUXILIARY POWER SUPPLY:	230V/1Ph/50Hz (2WIRE)
NOMINAL DEMAND:	2kVA
INGRESS PROTECTION RATING:	IP42
HAZARDOUS AREA CERTIFICATION:	SAFE AREA
OPERATOR INTERFACE:	HMI SCREEN
COOLING MEDIUM:	AIR

HYPOCHLORITE GENERATOR CELL A & B	
TAG No. Y-4108A & Y-4108B	
DUTY:	2 x 100%
MODEL TYPE:	120
DESIGN PRESSURE:	10 Barg
FLOW RATE NORMAL:	3.6 m <sup>3</sup> /h
FLOW RATE MINIMUM:	3.0 m <sup>3</sup> /h
DESIGN TEMPERATURE:	-7.6°C to +55°C
OPERATING TEMPERATURE:	4.1°C to +12.4°C
HAZARDOUS AREA CERTIFICATION:	II 2G EEx e II T6
INGRESS PROTECTION RATING:	IP66
CELL RATING:	240A DC

SODIUM HYPOCHLORITE HEAD TANK	
TAG No. T-4108	
CONTENTS:	SEAWATER + HYPOCHLORITE
MATERIALS:	UPVC/GRP
OPERATING PRESSURE:	15 mBarg + LIQUID HEAD
OPERATING TEMPERATURE:	4.1°C to +18°C
DESIGN CODE:	BS 4994 CAT1
DESIGN PRESSURE:	22 mBarg + FULL LIQUID HEAD
OVERALL SIZE:	875mm ID x 2300mm BASE TO N6 FOF
TANK NOMINAL VOLUME:	1.12 m <sup>3</sup>
RETENTION VOLUME:	0.72 m <sup>3</sup>

DILUTION AIR FANS A & B	
TAG No. B-4108A & B-4108B	
DUTY:	100% DUTY/STANDBY
RATED CAPACITY:	460 Sm <sup>3</sup> /h
DISCHARGE PRESSURE:	15 mBarg
DESIGN TEMPERATURE:	-7.6°C to +55°C
MOTOR RATING:	1.1 kW
SUPPLY:	690V/3Ph/50Hz
MOTOR CERTIFICATION:	ATEX EEx e IIC T4
INGRESS PROTECTION RATING:	IP56

GENERAL NOTES	
1. FOR LEGEND REFER TO 168397-100-PR-P1-0001-01 168397-100-PR-P1-0002-01 168397-100-PR-P1-0003-01 168397-100-PR-P1-0004-01 TO 0012-01	

INSTRUMENT LEGEND	
	FIELD LOCALLY MOUNTED INSTRUMENT
	UNIT CONTROL PANEL
	INTERLOCK
	CLIENT'S MCC
	CLIENT'S ICSS

PACKAGE TERMINATION POINTS	
TP	SIZE
1	2"
2	2"
3	6"
4	2"
5	1"
6	4"

CLASS/RATING	MATERIAL	SERVICE
ANSI CL150 RF	E1B	SEAWATER INLET
ANSI CL300 RF	T3A	HYPOCHLORITE OUTLET
ANSI CL150 RF	UPVC/GRP	VENT OUTLET
ANSI CL150 RF	E1B	SKID DRAIN
ANSI CL150 RF	STD	INSTRUMENT AIR
ANSI CL300 RF	T3A	OVERFLOW

DRAWING NOTES	
1. ALL HEAT TRACING AND LAGGING IS EXCLUDED FROM CAMERON SCOPE OF SUPPLY. AN ALLOWANCE OF 30mm IS TO BE MADE FOR INSULATION THICKNESS.	
2. LOCAL EMERGENCY STOP SUPPLIED BY CLIENT, EXCEPT HS-41470-1 (ON FRONT OF PANEL).	
3. Y-4108A & B TO BE SUPPLIED WITH THERMAL INSULATION JACKET.	
4. EACH INSTRUMENT AIR DIST. ISOLATION VALVE SHALL BE IDENTIFIED BY THE USER INSTRUMENT TAG NO. THE OUTLET FROM EACH VALVE SHALL BE 1" NPT.	
5. DRAIN VALVE SUPPLIED BY CAMERON & FREE ISSUED TO CLIENT.	
6. DRAIN VALVE PROVIDED AT LOW POINT.	
7. AIR INTAKE SHALL BE FROM NON-HAZARDOUS AREA.	

HOLDS	
Nexen Petroleum (U.K.) Limited Golden Eagle Area Development	
VENDOR : CAMERON	
EQUIPMENT TITLE : HYPOCHLORITE DOSING PACKAGE	
EQUIPMENT TAG NO(S) : X-4108	

GAD Vendor Document Number	
Purchase Order Number	Doc Type Seq. No.
168397-200-PO-3371 - MC2 - 001	06 01.07.13

INCLUDES DOCUMENT CODES :	
F	Final (accepted) - manufacturing may proceed.
A	Qualified Release - review and re-submit. Manufacturing may proceed subject to incorporation of comments.
R	Rejected - review and re-submit. Manufacturing may not proceed.
I	Accepted for information only.

REVISIONS	
REV.	DATE
01	01.07.13
02	02.07.13
03	03.07.13
04	04.07.13
05	05.07.13
06	06.07.13

CLIENT	
NEXEN PETROLEUM UK Ltd	
PROJECT	
GOLDEN EAGLE AREA DEVELOPMENT	

CAMERON	
Process Systems	

TITLE	
PIPING & INSTRUMENTATION DIAGRAM FOR HYPOCHLORITE DOSING PACKAGE (X-4108)	

SCALE	
N.T.S.	

CAMERON DRG. No.	
R-AR0013-PR-PIDR-0001	

CLIENT DRG. No.	
168397-200-PO-3371-MC2-001	

REV.	
06	

