

# PACKAGE : X-5201 WATER INJECTION

DEMULSIFIER PUMPS  
P-5135-A 0.37kW  
P-5135-B 0.37kW

- SYMBOLS IN ACCORDANCE WITH LEGEND SHEETS 168397-100-PR-PI-0001-01, 0002 01, 0003-1 AND 0004-1.
- ALL PIPE TO BE SEAMLESS 316LSS. ALL TUBING TO BE HASTELLOY C276 ASTM B6-22.
- TUBE FITTINGS TO BE TWIN FERRULE COMPRESSION TYPE 'A-LOK', HASTELLOY C276.
- THREAD SEALANT : SWAK.
- FLUID : DEMULSIFIER.
- ALL PRESSURES ARE OPERATING.
- ALL PUMPS TO BE FITTED WITH MANUAL STROKE ADJUSTMENT FROM 0-100% OF DESIGN DOSING RATE.
- ALL DRAIN NOZZLES TO BE LOCATED FLUSH WITH TANK/VESSEL BOTTOM TO ENABLE COMPLETE EMPTYING OF TANK.
- DP CONNECTION 3" WITH CAPILLARY CHEMICAL SEAL. SENSING LEVEL AT PUMP SUCTION AND FLUSHING RING. C/W PLUGGED VENT & DRAIN.
- ALL TRANSMITTERS TO HAVE LOCAL READOUT.
- FLAME ARRESTOR TO BE SUPPLIED LOOSE FOR LOCATION IN PURCHASER PIPING.
- ALL VENTS AND BLEEDS MUST BE FITTED WITH PLUGS.
- INLET TO PSV TO RISE CONTINUOUSLY WITH NO POCKETS. OUTLET FROM PSV TO FALL CONTINUOUSLY TO TANK.
- PUMP INTERNAL RELIEF VALVES SET AT 19 BARG.
- OVERFLOW DIRECTED TO SPILL TRAY.
- PUMP SUCTION AND DISCHARGE 3" ANSI 150 RF.
- ALL 15mm TUBING & FITTINGS TO BE COLOUR CODED FLAME RED (RAL 3000) FITTED WITH PERMANENT WARNING LABELS.
- ALL CSO (CAR SEAL OPEN) AND CSC (CAR SEAL CLOSED) VALVES LOCKING MECHANISM IS TO BE SUPPLIED BY OTHERS
- ALL 10mm TUBING TO BE COLOUR CODED FLAME RED (RAL 3000) & FITTED WITH PERMANENT WARNING LABELS.
- ALL TRACE HEATING & INSULATION BY OTHERS.
- TANK OPERATING AND ALARM LEVELS RELATIVE TO TANK DRAIN VALVE (SHOWN AS DATUM POINT) LL: 793mm L: 1000mm H: 2850 BRIM: 3000mm

X-5201 TIE-IN SCHEDULE					
TIE-IN No	TANK No	SIZE	RATING	FLANGE	SERVICE
TP26	-	2"	150#	RF	DEMULSIFIER SUPPLY
TP27	-	2"	150#	RF	DEMULSIFIER VENT
TP28	-	1"	150#	RF	DEMULSIFIER OUTLET
TP29	-	1"	150#	RF	DEMULSIFIER OUTLET
TP30	-	2"	150#	RF	SPILL TRAY

DEMULSIFIER  
14.58 L/Hr  
15.45 BARG

DEMULSIFIER  
3.31 L/Hr  
15.45 BARG

Nexen Petroleum (U.K.) Limited						
VENDOR : TYCO (AS-BUILT BY AMEC FW)						
EQUIPMENT TITLE : CHEMICAL INJECTION PACKAGE (WATER INJECTION) - DEMULSIFIER						
EQUIPMENT TAG NO(S) : X-5201						
Vendor Document Number						
Purchase Order No		Doc Type Seq. Code No		Rev.	DATE	
168397 - 100 - PO -		3366 - MC2 -		019	Z1	24/05/14
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Z1	24/05/14	AS-BUILT AS PER GIC0036			mfs ksm	
REV	DATE	DESCRIPTION			DRN	CHK APP CLT

Rev	Date	Description	Orig	Ckd	App	Rev	Date	Description	Orig	Ckd	App	Rev	Date	Description	Orig	Ckd	App
6	03/05/13	RE-ISSUED AS BUILT (CS.018)	JM														
5	04/04/13	ISSUED AS BUILT (CS.017)	CP	TC	AG												
4	16/10/12	ISSUED FOR APPROVAL (PRIOR TO HEAD 02 CHANGE)	PA	TC	AG												
3	12/09/12	ISSUED AS-BUILT	PA	TC	AG												
2	11/07/12	ISSUED FOR MANUFACTURE.	PA	TC	AG												
1	30/04/12	ISSUED FOR MANUFACTURE.	PA	TC	AG												
A	27/02/12	ISSUED FOR APPROVAL	JF	TC	AG												

IF IN DOUBT ASK

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DO NOT SCALE

Sig Date

Orig JF 01/02/12

Chd TC 01/02/12

App AG 01/02/12

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NEXEN PETROLEUM (U.K.) LTD

GOLDEN EAGLE AREA DEVELOPMENT

CHEMICAL INJECTION PACKAGE

Contract No. WN440010

Drawing Title P&I DIAGRAM - DEMULSIFIER PACKAGE X-5201 WATER INJECTION

Drg No 440010/329

Rev 6