



Nexen Petroleum (U.K.) Limited					
VENDOR : HATENBOER-WATER (WORLEY PARSONS)					
EQUIPMENT TITLE : FRESH WATER MAKER PACKAGE					
EQUIPMENT TAG NO(S) : X-8301					
Vendor Document Number					
Purchase Order No		Doc Type Code		Seq. Sheet No	
168397 - 200 - PO - 3372 - MC2 - 001 - 10		Z1		18/10/18	
SUPPLIER DOCUMENT REVIEW					
Rejected (Assai Code - REJ) - Quality and content is out of conformity with Company requirements. Document shall be revised by Supplier to incorporate the necessary changes and subsequently re-submitted.					
Accepted With Comments (Assai Code - AWC) - Generally acceptable but elements require to be addressed. Document shall be revised by Supplier to incorporate the necessary changes and subsequently re-submitted.					
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Accepted For Information (Assai Code - AFI) - No further action required, do not re-submit.					
Review of Vendor documents does not relieve Vendor of the responsibility for correctness under the Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods or materials developed or selected by the Vendor and does not relieve the Vendor from full compliance with the Purchase Order or any other obligations, nor detract from any of the Purchaser's rights.					
Z1	18/10/18	AS-BUILT FOR GMOC0331		WV	75
REV	DATE	DESCRIPTION		DRN	CHK
				APP	CLT

<b>T -8317</b> FF/CIP & Buffer Tank	<b>P -8319A</b> CIP/FF Pump RO A	<b>M 8319</b> Nexen Waterstroop pump
Dimensions : 1590x590x1240mm	Manufacturer : Grundfos	Manufacturer : George Fischer
Capacity : 1000 Ltr.	Type : CRN 10-4	Type : 199041131
Design Press : Atmospheric	Dimensions : 1.5 KW	Dimensions : DN20
Material : HDPE	Work Press : 3.9 barg	Work Press : 4 barg
Type : 1000U-NA-40	Material : SST 316	Material : PP
Operat. press. : Atmospheric	Design pressure : 25 barg	Design pressure : 10 barg
	Design temp : -20°C/120°C	Design temp : 60°C
	Capacity : 9.02 m3/hr	Capacity : .
<b>PM-8319A</b> CIP/FF Pump Motor RO-A	<b>P -8319B</b> CIP/FF Pump RO B	<b>PM-8319B</b> CIP/FF Pump Motor RO B
Manufacturer : Loher	Manufacturer : Grundfos	Manufacturer : Loher
Type : DNGW-090LX-02E	Type : CRN 10-4	Type : DNGW-090LX 02E
Supply Vols : 690 Volts	Dimensions : 1.5 KW	Supply Vols : 690 Volts
Frequency : 50 Hz	Work Press : 3.9 barg	Frequency : 50 Hz
Rating : 1.5 Kw	Material : SST 316	Rating : 1.5 Kw
Speed : 2896 rpm	Design pressure : 25 barg	Speed : 2896 rpm
	Design temp : 20°C/120°C	
	Capacity : 9.02 m3/hr	

<b>P -8318A</b> 2nd Stage High Pressure Pump RO-A	<b>PM 8318A</b> High Pressure Pump Motor	<b>P 8318B</b> 2nd Stage High Pressure Pump RO-B	<b>PM-8318B</b> High Pressure Pump Motor RO-B
Manufacturer : Grundfos	Manufacturer : other	Manufacturer : Grundfos	Manufacturer : Loher
Type : CRN 1-36	Type : DNGW-090LD-02E	Type : CRN 1-36	Type : DNGW-090LD-02E
Dimensions : 2.2 KW	Supply Vols : 690 Volts	Dimensions : 2.2 KW	Supply Vols : 690 Volts
Work Press : 21 barg	Frequency : 50 Hz	Work Press : 21 barg	Frequency : 50 Hz
Material : SST 316	Rating : 2.2 Kw	Material : SST 316L	Rating : 2.2 Kw
Design pressure : 25 barg	Speed : 2899 rpm	Design pressure : 25 barg	Speed : 2899 rpm
Design temp : 20°C/ 20°C		Design temp : -20°C/120°C	
Capacity : 1.8 m3/hr		Capacity : 1.8 m3/hr	

Nexen Petroleum U.K. Limited  
Golden Eagle Area Development

Vendor : Hatenboer-Water BV  
Equipment title : Fresh Water Maker Package  
Equipment tag NO(S) : X-8301

GEAD Document Number

PO Number	Doc Type	Seq No	Rev. Date
168397-200-PO-3372	MC2	001	10/18/2018

INCLUDES DOC CODES: TOTAL SHEETS: 16

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

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Engineer: \_\_\_\_\_ Date: \_\_\_\_\_

NOTES

Note : For CIP-schematics, the flow should be done into the tank -

REV	DATE	DESCRIPTION	DRN	CHK	APP
9	27-06-13	ASBUILD	PR	LDG	PJ
8	06-05-13	ASBUILD	PR	LDG	PJ
7	06-02-13	ASBUILD	PR	LdG	PJ
6	14-11-12	ASBUILD	PR	LdG	PJ
5	24-10-12	AFTER COMMENTS	PR	LdG	PJ
4	06-07-12	AFTER COMMENTS	MdV	RU	LdG
3	03-05-12	AFTER COMMENTS	MdV	RU	LdG
2	18-01-12	AFTER COMMENTS	AO	RU	LDG
1	16-11-11	REV 1	RM	RU	LDG
0	14-09-11	FIRST ISSUE	AK	RU	LDG

DRAWING INFORMATION:  
P&ID: 10  
Description: CIP/FF & 2nd Stage  
Drawn by: renmic  
Date: 18/10/2018

HATENBOER-WATER

PROJECT INFORMATION:  
Project: 458058  
Client: Nexen  
Client Ref: Package Golden Eagle  
Description: PO 3372

Drawing number: \_\_\_\_\_ Sheet: 10/16 Rev: 9