

PROCESS CONNECTIONS

PUMP INFORMATION	
Item No.:	115-P-101 A/B / 115-P-201 A/B
Unit:	115
Service:	BUTANE REGENERATION PUMPS
Model:	EGS-I2-5/151
Seal Plan:	11+52
Motor:	7.5KW - 2P


1. The location of Junction Box 'A' will be finalized after pipe line work finished.
2. The main electric motor is CCW viewing from the coupling end.
3. Cables and Cable Connections:

	Cable Gland Thread	Cable Cores (mm ²)
Main Motor	2 x M32	3 x 10
Main Motor Space Heater	NA	NA
Aux. Motor (Lube Oil)	1 x M25	3 x 4
Aux. Motor (N ₂ Cooler)	NA	NA

REFERENCE DRAWINGS	DWG NO.
MECH. SEAL SYSTEM DRAWING	VP-SF2021-CN-MA-115-P101-0147
MOTOR OUTLINE DRAWING	VP-SF2021-CN-MA-115-P101-0188
COUPLING DRAWING	VP-SF2021-CN-MA-115-P101-0067
JUNCTION BOX DRAWING	VP-SF2021-CN-MA-115-P101-0206
PUMP P/WD DRAWING	VP-SF2021-CN-MA-115-P101-0040

Code1	<input checked="" type="checkbox"/>	(Approved) Vendor to submit "For Final" (No comment & release for manufacturing)
Code2	<input type="checkbox"/>	(Approved with comments) Vendor shall correct / revise & submit it as "For Final" (Released for manufacturing if change incorporated as indicated)
Code3	<input type="checkbox"/>	(Commented): Vendor shall correct / revise & resubmit it as "For Approval" of the date specified : (Corrected documents to be
Code4	<input type="checkbox"/>	Not Acceptable quality (Reject)

The above checking result by QEC shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing



OIEC-SP 20421

13.07.2013


Machinery



DATE :

DEPT:

Signature : **M S**

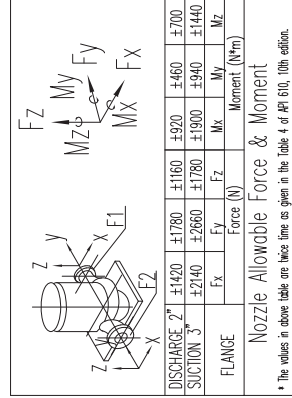
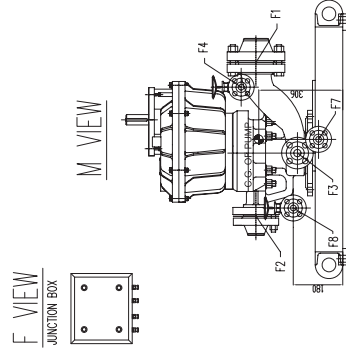
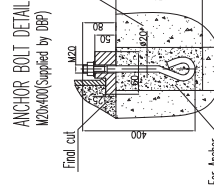
Only for internal review				
CV	PI	EL	IN	ME
SY	BU	PR	SA	HW
TL				MA

5	1. Jul. 2013	FOR APPROVAL	DBP	Tino	Rynn	
4	21. May. 2013	FOR APPROVAL	DBP	Tino	Rynn	
	REV.	DATE	DESCRIPTION	ORIG. PREP.	CHD.	MPD.
<p style="text-align: center;">SOUTH PARS GAS FIELD DEVELOPMENT— PHASES 20 & 21, ASSALUYEH-RAN ONSHORE FACILITIES</p> <div style="text-align: center;">  <p>PARS OIL AND GAS COMPANY</p> </div>						

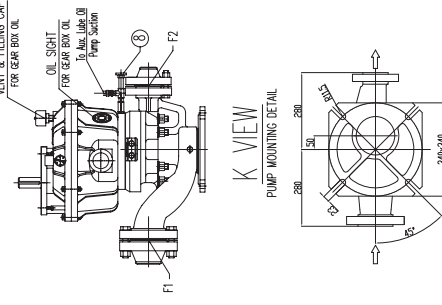
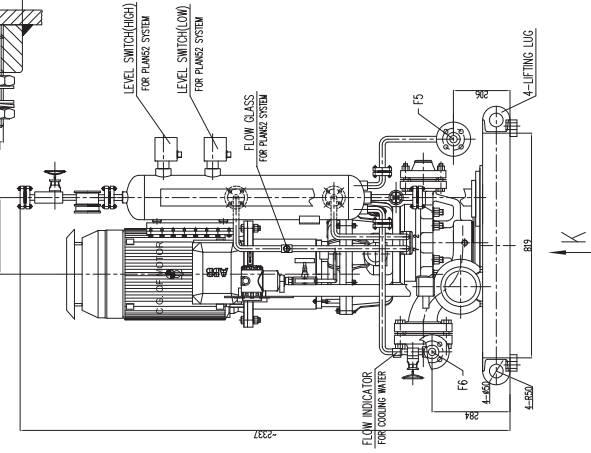
PROJECT No.: POCG-572-88-35	DOC. CLASS:	SCALE :
 		
115-P-101 A/B / 115-P-201 A/B BUTANE REGENERATION PUMPS GENERAL ARRANGEMENT DRAWING		
DRAWING No. VP-392021-OM-115-2701-0012	SHEET NO.	REV. 5

PROCESS CONNECTIONS			Description	Remark
Code	Size & Rating	Section		
F1	1" ANSI 6000-40	Flange	Flange With valve	
F2	1" ANSI 6000-40	Discharge	Flange With valve	
F3	3/4" ANSI 6000-40	Casing Drain	Flange With valve	
F4	3/4" ANSI 6000-40	Casing Valve	Flange With valve	
F5	1" ANSI 1500-40	Coasting Water Outlet	Flanged	
F6	1" ANSI 1500-40	Coasting Water Outlet	Flanged	
F7	1/2" ANSI 1500-40	Oil Sump Drain	Blind Flange with valve	
F8	1/2" ANSI 1500-40	Oil Sump Drain	Blind Flange with valve	
F9	3/4" ANSI 3000-40	Flange2, Vent to Flare	Flange With valve	
F10	3/4" ANSI 3000-40	Flange2, Drain	Flange With valve	
F11	1/2" Quick Fittings	Flange2, Filling	Quick Connection	

Maximum Allowable Amplitude for Foundation:			
Velocity (PEAK) :	4	mm/s	
Displacement :	4.7	µm	
WEIGHT OF HIGH SPEED ROTOR :	6.5	KG	
SPEED OF HIGH SPEED ROTOR :	8206	RPM	
WEIGHT OF MOTOR ROTOR :	8	KG	
SPEED OF MOTOR ROTOR :	2914	RPM	

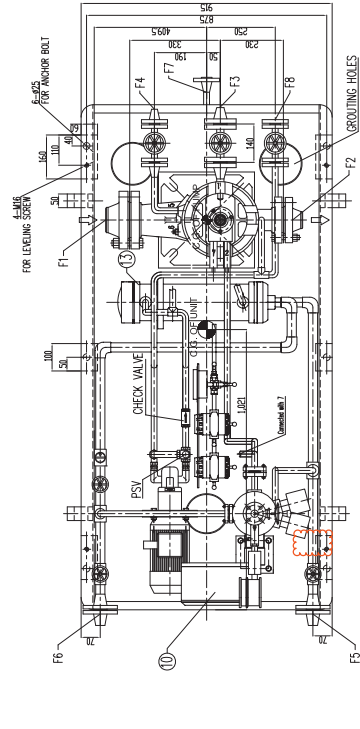
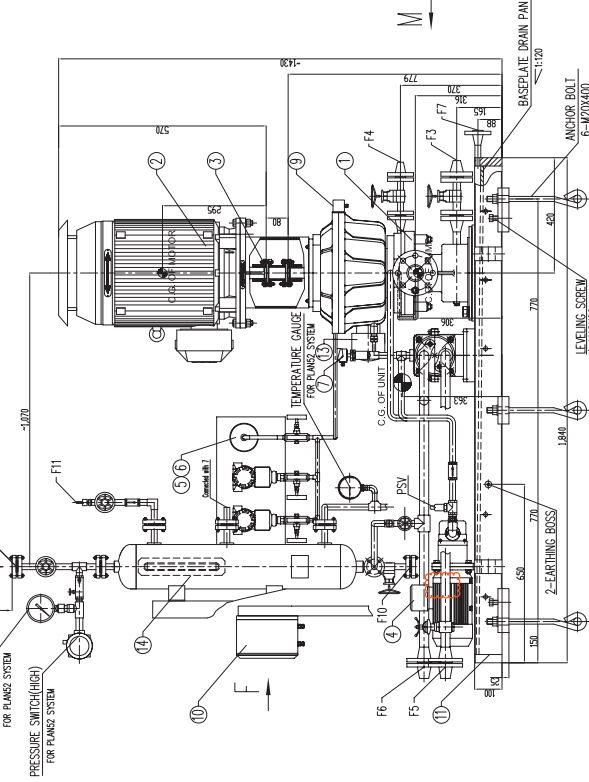


COOLING WATER FOR PUMP UNIT			Temp. Inlet/Outlet
Cooling	Consumption	Return Pressure	30 / 40 °C
Seal system	0.9 m ³ /h	> 5 barg	30 / 40 °C
Lube oil	0.8 m ³ /h	> 5 barg	30 / 40 °C



SEAL HOUSING PORT IDENTIFICATION	
1	Seal Drain, Gearbox (OIL ALWAYS OPEN)
2	Seal Drain (Single Seal)
3	Buffer Out (Double / Tandem Seal)
5	Seal Flush
6	Seal Flush
7	Seal Drain (Single Seal)
	Buffer In (Double / Tandem Seal)

COOLING WATER SUPPLIED		
Item	115-P-101 A/B	115-P-201 A/B
Pressure (barg)	9.04 ~ 9.74	7.64 ~ 8.64



WEIGHT TABLE		
FLUID END	:	110 KG
GEAR BOX	:	40 KG
MOTOR SUPPORT	:	25 KG
MOTOR	:	97 KG
SEAL SYSTEM	:	50 KG
COMMON BASEPLATE	:	300 KG
AUX LUBE OIL PUMP	:	80 KG
OTHERS	:	80 KG
TOTAL WEIGHT	:	782 KG

[illegible]

Supplied By Deep Blue Pump Co.		DESCRIPTION
MAIN EQUIPMENT LIST		