

GENERAL NOTES

PUMP INFORMATION	
Item No.	116-P-119/219 A/B
Unit:	116
Service:	AMINE FILTRATION PUMPS
Model:	APFLO-P 32X2-250
Seal Plan:	114-53A-61
Motor:	15kW - 2923RPM

NOTE: 1. Valve for pump drive is ball valve.
2. The pump is self-vent.

REFERENCE DRAWINGS	DWG NO.
MECH. SEAL SYSTEM DRAWING	VP-SP2021-0N-MA-116-P119-0013
MOTOR OUTLINE DRAWING	VP-SP2021-0N-MA-116-P119-0016
COUPLING DRAWING	VP-SP2021-0N-MA-116-P119-0008

Code1	<input checked="" type="checkbox"/> (Approved) Vendor to submit "For Final" (No comment & release for manufacturing)				
Code2	<input type="checkbox"/> 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					
DATE :	07/10/2014				
DEPT:	Machinery				
SIGNATURE :	Salem				
OIBC-SP 20X21					
Only for internal review					
CV	PI	EL	IN	ME	MA
ST	BU	PR	SA	MA	TL

3	03Dec-2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
2	28Oct-2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
1	14Aug-2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
0	23Mar-2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
REV.	DATE	DESCRIPTION	gmic	PREP.	CHD	APP'D

SOUTH PARS GAS FIELD DEVELOPMENT- PHASES 20 & 21 ASSALUYEH-RAN ONSHORE FACILITIES

PROJECT No.: POGC-572-88-35

DOC CLASS:

SCALE :



116-P-119 A/B 116-P-219 A/B
AMINE FILTRATION PUMPS
GENERAL ARRANGEMENT DRAWING

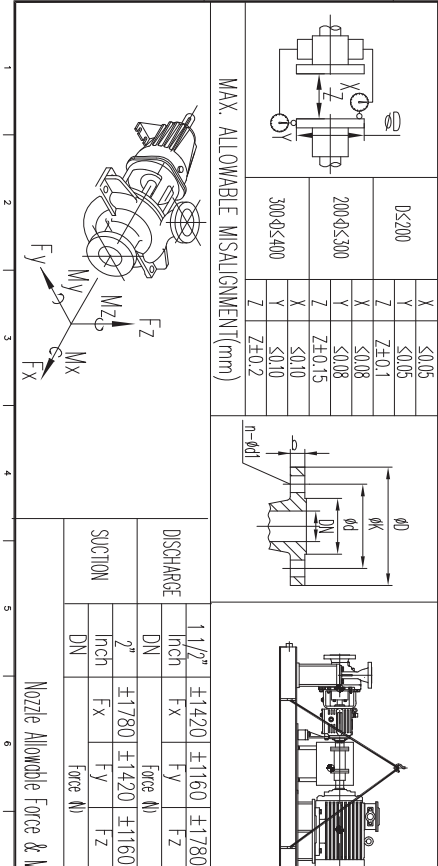
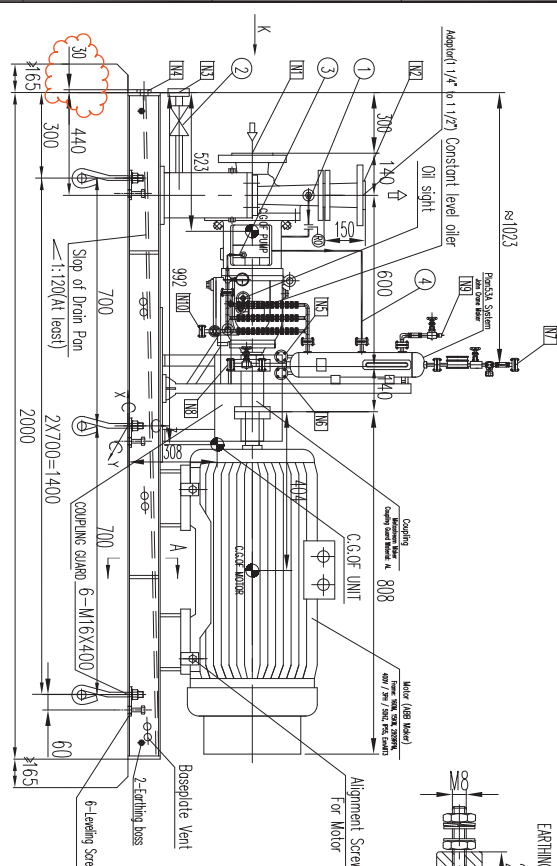
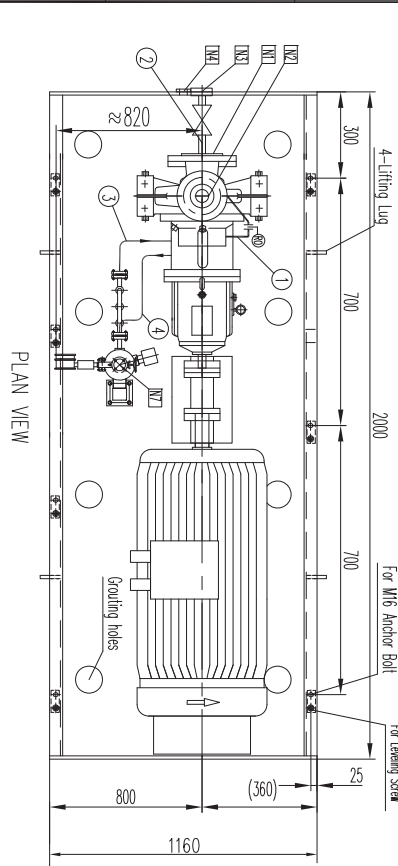
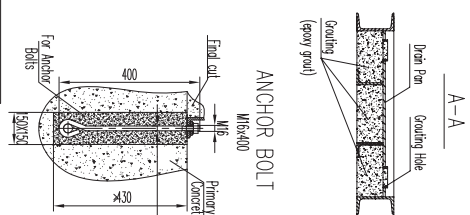
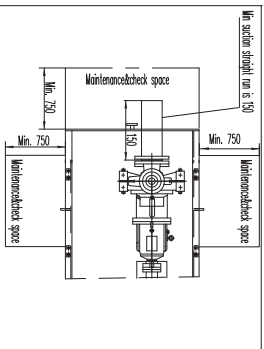
PROCESS CONNECTIONS

Code	Size & Rating	Description	Remark
N1	2"-ANSI 300lb-RF	Suction	
N2	1 1/2"-ANSI 300lb-RF	Discharge	
N3	3/4"-ANSI 300lb-RF	Pump Drain	Purge Valve & Blind Flange
N4	62"	Baseplate Drain	
N5	3/4"-ANSI 150lb-RF	Coating Water Inlet	Blind Flange
N6	3/4"-ANSI 150lb-RF	Coating Water Outlet	Blind Flange
N7	3/4"-ANSI 300lb-RF	N2 connection	Flange With valve
N8	3/4"-ANSI 300lb-RF	Pneum53A Drain	Purge Valve & Blind Flange
N9	1/2" Quick fittings	Pneum53A Filling	Quick Connection
N10	3/4"-ANSI 300lb-RF	Pion 53A Cooler Drain/Flange	Flange Valve & Blind Flange
N11	3/4"-ANSI 300lb-RF	Pneum53A Vent	Purge Valve & Blind Flange

Pipeline Description
① Pion11 Flushing Pipeline
② Pump Drain
③ Pneum53A Flushing Pipeline (to seal chamber)
④ Pneum53A Flushing Pipeline (from seal chamber)

WEIGHT TABLE	
PUMP	: 186 KG
MOTOR	: 216 KG
SEAL SYSTEM	: 80 KG
BASE PLATE	: 530 KG
OTHERS	: 20 KG
TOTAL WEIGHT	: 1032 KG

Maximum Allowable Amplitude For Foundation	
Velocity(Peak)	: 4 mm/s
Displacement	: 25.4 μm



Center of Gravity List	
PUMP	X 477 Y -220 Z 425
MOTOR	X -564 Y -220 Z 425
UNIT	X -107 Y -107 Z 308
Rotation: clockwise viewed from the drive-end	
Static loading calculation results	
FxStatic=±	3200 N
FyStatic=±	2580 N
FzStatic=±	-5909/11789 N
FxDynamic=±	32 N
FyDynamic=±	32 N
FzDynamic=±	62/-35 N
MxStatic=±	4882/3934 N*m
MyStatic=±	3044 N*m
MzStatic=±	18 N*m

Dynamic loading calculation results	
FxDynamic=±	0 N
FyDynamic=±	32 N
FzDynamic=±	32 N
MxDynamic=±	62/-35 N*m
MyDynamic=±	18 N*m
MzDynamic=±	18 N*m

Nozzle Allowable Force & Moment	
DISCHARGE	SUCTION
Force (N)	Force (N)
Fx	Fx
Fy	Fy
Fz	Fz
Mx	Mx
My	My
Mz	Mz