

Static loading calculation results		
FXStatic=±	3200	N
FYStatic=±	2580	N
FZStatic=±	-6850/12730	N
MXStatic=±	3186	N*m
MYStatic=±	4392/3832	N*m
MZStatic=±	2800	N*m

Dynamic loading calculation results		
FXdynamic=±	0	N
FYdynamic=±	20	N
FZdynamic=±	20	N
MXdynamic=±	18/-1	N*m
MYdynamic=±	9	N*m
MZdynamic=±	9	N*m

Pipeline Description	
①	Pump Drain
②	Plan53B Flushing Pipeline (to seal chamber)
③	Plan53B Flushing Pipeline (from seal chamber)
④	Plan53B N ₂ Filling Pipeline (from Amplifier System)

WEIGHT TABLE			
PUMP	:	165	KG
MOTOR	:	61	KG
SEAL SYSTEM	:	240	KG
BASEPLATE	:	505	KG
OTHERS	:	20	KG
TOTAL WEIGHT	:	991	KG

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


PUMP INFORMATION	
Item No.:	116-P-113 /213 A/B
Unit:	116
Service:	WATER WASH PUMPS
Model:	APIFLO-PG 25K2-200A
Seal Plan:	53B+61
Motor:	3KW - 2896RPM

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

REFERENCE DRAWINGS	DWG NO.
MECH. SEAL SYSTEM DRAWING	VP-SP2021-ON-MA-116-P113-0013
MOTOR OUTLINE DRAWING	VP-SP2021-ON-MA-116-P113-0016
COUPLING DRAWING	VP-SP2021-ON-MA-116-P113-0008

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 submitted)
Code4	<input type="checkbox"/> Not Acceptable quality (Reject)

The above checking result by OEM 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 20&21	DATE : 07/06/2014 DEPT: Machinery Signature : Salem

Only for internal review					
CV	PI	EL	IN	ME	MA
ST	BU	PR	SA	HV	TL

4	12.May.2014	FOR APPROVAL	DBP	Apple	Ryan	Tino
3	03.Dec.2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
2	28.Oct.2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
1	14.Aug.2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
0	23.May.2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
REV.	DATE	DESCRIPTION	ORIG.	PREP.	CH'D.	APP'D Contractor APP'D

**SOUTH PARS GAS FIELD DEVELOPMENT-
PHASES 20 & 21, ASSALUYEH-IRAN
ONSHORE FACILITIES**



NIOC
NATIONAL IRANIAN OIL COMPANY

PROJECT No.: POGC-572-88-35

DOC.CLASS:	SCALE :
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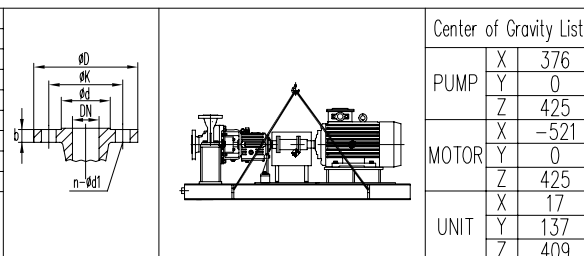
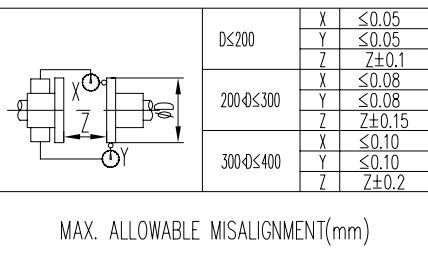


116-P-113 A/B 116-P-213 A/B

WATER WASH PLUMPS

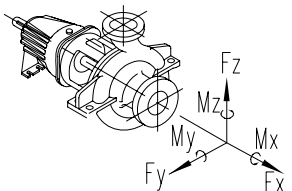
GENERAL ARRANGEMENT DRAWING

DRAWING No.	VP-SP2021-ON-MA-116-P113-0001	SHEET No.	1 OF 1	REV. 4
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DISCHARGE	1"	±1420	±1160	±1780	±920	±460	±700
	inch	F _x	F _y	F _z	M _x	M _y	
	DN	Force (N)			Moment (Nm)		
SUCTION	1 1/2"	±1780	±1420	±1160	±920	±460	±700
	inch	F _x	F _y	F _z	M _x	M _y	
	DN	Force (N)			Moment (Nm)		

Nozzle Allowable Force & Moment



Flange Size