

PROCESS CONNECTIONS			
Code	Size & Rating	Description	Remark
N1	4"-ANSI 600LB-RF	Suction	
N2	3"-ANSI 600LB-RF	Discharge	
N3	3/4"-ANSI 600LB-RF	Pump Drain	Flange With valve & blind flange
N4	6"	Baseplate Drain	
N5	3/4"-ANSI 600LB-RF	Plan 52 Cooler Drain	Flange With valve & blind flange
N6	3/4"-ANSI 600LB-RF	Plan 52 Drain	Flange With valve & blind flange
N7	1/2" Quick Fitting	Plan 52 Filling	Quick Connection
N8	3/4"-ANSI 600LB-RF	Plan 52 Vent (to Flare)	Flange With valve & blind flange
N9	3/4"-ANSI 150LB-RF	Cooling Water Inlet	Blind Flange
N10	3/4"-ANSI 150LB-RF	Cooling Water Outlet	Blind Flange
N11	3/4"-ANSI 600LB-RF	Pump Vent	Flange With valve & blind flange

Pipeline Description	
①	Plan11 Flushing Pipeline
②	Pump Drain
③	Plan52 Flushing Pipeline (to seal chamber)
④	Plan52 Flushing Pipeline (from seal chamber)

WEIGHT TABLE	
PUMP	: 700 KG
MOTOR	: 665 KG
SEAL SYSTEM	: 80 KG
BASEPLATE PLATE	: 1000 KG
OTHERS	: 50 KG
TOTAL WEIGHT	: 2495 KG
ROTOR WEIGHT	: 56 KG


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

GENERAL NOTES

PUMP INFORMATION	
Item No.:	114-P-103/203
Unit:	114
Service:	OFF-SPEC PROPANE PUMPS
Model:	APIFLO-100HDD285X2-G
Seal Plan:	11+52+61
Motor:	90KW - 2976RPM

1. Valve type of pump drain and vent is ball valve.

REFERENCE DRAWINGS	DWG NO.
MECH. SEAL SYSTEM DRAWING	VP-SP2021-ON-MA-114-P103-0013
MOTOR OUTLINE DRAWING	VP-SP2021-ON-MA-114-P103-0016
COUPLING DRAWING	VP-SP2021-ON-MA-114-P103-0008

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)
Code4	<input type="checkbox"/> Not Acceptable quality (Reject)
The above checking result by OIEC shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing	
 DATE: 22/04/2014 DEPT: Machinery Signature: Salem	
Only for internal review	
CV	PI
ST	BU
EL	PR
IN	SA
ME	HV
MA	TL



4	25.Mar.2014	FOR APPROVAL	DBP	Apple	Ryan	Tino
3	04.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.

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

PROJECT No.: POGC-572-68-35

DOC CLASS:

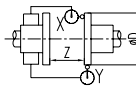
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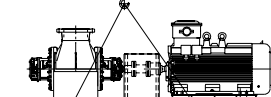
 

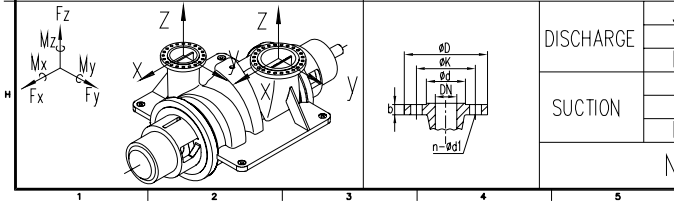
114-P-103 114-P-203
OFF-SPEC PROPANE PUMPS
GENERAL ARRANGEMENT DRAWING

DRAWING No. VP-SP2021-ON-MA-114-P-103-014 SHEET No. 1 OF 1 REV. 4

NIOC
PARS OIL AND GAS COMPANY

	D≤200	X	≤0.05	
		Y	≤0.05	
		Z	Z±0.1	
	200<D≤300	X	≤0.08	
		Y	≤0.08	
		Z	Z±0.15	
	300<D≤400	X	≤0.10	
		Y	≤0.10	
		Z	Z±0.2	
	MAX. ALLOWABLE MISALIGNMENT(mm)			





Center of Gravity List	
PUMP	X 878 Y 0 Z 560
MOTOR	X -934 Y 0 Z 560
UNIT	X 193 Y -15 Z 420

DISCHARGE	3"	±2140	±1780	±2660	±1900	±940	±1440
	inch	Fx	Fy	Fz	Mx	My	Mz
	DN	Force (N)					
SUCTION	4"	±2840	±2320	±3560	±2660	±1360	±2000
	inch	Fx	Fy	Fz	Mx	My	Mz
	DN	Force (N)					
		Moment (Nm)					

Nozzle Allowable Force & Moment

Rotation: Counter clockwise viewed from the drive-end	
N3	ANSI B16.5 600lb RF
N2	ANSI B16.5 600lb RF
N1	ANSI B16.5 600lb RF
Name	Standard
DN	273
Flange Size	ØD
	b
	ØK
	Ød
	n-Ød1