

PLANT NORTH

Vent for plan 52

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PROCESS CONNECTIONS

Code	Size & Rating	Description	Remark
N1	10"-ANSI 600Lb-RF	Pump Suction	
N2	8"-ANSI 600Lb-RF	Pump Discharge	
N3	3/4"-ANSI 600Lb-RF	Pump Drain	Flange With valve
N4	1"-ANSI 150lb-RF	Baseplate Drain	With blind flange
N5	3/4"-ANSI 300Lb-RF	Seal System Vent to flare	Flange With valve
N6	3/4"-ANSI 600Lb-RF	Pump Vent	Flange With valve

Pipeline Instruction


- ① Pipe for barrier fluid from seal
② Pipe for barrier fluid to seal
③ Pump Drain

Note:

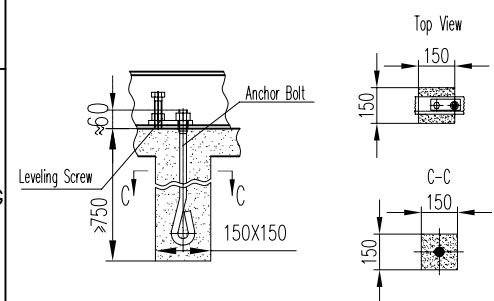
1. Plan 52 seal system vent to be connected to LP flare with back pressure of 0.3 barg.

REFERENCE DOCUMENTS

DOCUMENT NO.	TITLE
VD-AOGC-DR-GEN-5001-0052	Mechanical seal system drawing for Oil Delivery Pump for Strategic Pump Station

Code1	<input 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 EIED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing					
<div><div> EIED WEST KAROON PROJECT</div><div>DATE : DEPT: Signature :</div></div>					
Only for internal review					
CV	PI	EL	IN	ME	MA
CS	CA	PR	SA	HV	TL

Anchor Bolt
Manufacture: Deep Blue Pump Co.
Size: M30X700
Material: A193 B7



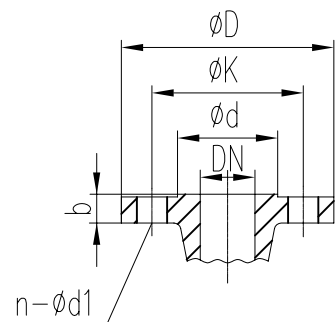
Rotary Parts:

Pump rotary parts:
Mass: 170 kg, Speed: 2950 rpm

Motor rotary parts:
Mass: 814 kg, Speed: 2950 rpm

Maximum Allowable Amplitude For Foundation:

Velocity Peak-Peak: 4 mm/s
Displacement Peak-Peak: 25.4 μm



1800	2600	4000	180	8580	1800
Pump	Baseplate	Motor	System	All	Maintenance weight

Weight(kg)

Drain N4	ANSI B16.5	600lb	RF	3/4"	117.3	15.7	82.5	42.9	4-ø18
Discharge N2	ANSI B16.5	600lb	RF	8"	419.1	55.6	349.2	270	12-ø32.5
Suction N1	ANSI B16.5	600lb	RF	10"	508	63.5	431.8	323.8	16-ø35.5
Name	Standard			DN	øD	b	øK	ød	n-ød1

Flange Size

Consumer: NIOC	Capa.: 412 m ³ /h	DRIVER
Designer:	Head: 408 m	Motor Type: EXD IIB T4
Project: Darquain Oil Field-Strategic Pump Station	Temp.: 55 °C	VOLTS/PHASE/HERTZ: 6000V/3PH/50HZ
Plant:	Speed: 2980 r/min	
Item No.: 0221-PA-002A/B/C/D	Power: 630 kW	MECH.SEAL
Service: Oil Delivery Pump for Strategic Pump Station	Motor Type: YB2 450	API flushing plan: 11+52(Air cooler)+61
Project Information		Base Information



APIFLO-500HDD-C420X2

General Arrangement

Darquain Oil Field-Strategic Pump Station



ARVANDAN OIL AND GAS COMPANY

P.O. No.:	STAGE:	SCALE:
		

DRAWING TITLE:
General Drawing for
Oil Delivery Pump for Strategic Pump Station
(0221-PA-002A/B/C/D)

DRAWING No.:	VD-AOGC-GA-GEN-5001-0014	SHEET No.	1 OF 1	REV.	04
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