




	<b>General Arrangement Drawing</b> FOR Steam Condensate Pump 101-P-104/204/304/404 A/B	 <b>N I O C</b>																		
<p><b>EQUIPMENT NAME:</b> Steam Condensate Pump 101-P-104/204/304/404 A/B</p> <p><b>DOCUMENT TITLE:</b> General Arrangement Drawing</p>																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><b>Code1</b></td> <td><input checked="" type="checkbox"/> (Approved ) Vendor to submits " For Final " (No comment &amp; release for manufacturing)</td> </tr> <tr> <td><b>Code2</b></td> <td><input type="checkbox"/> ( Approved with comments ) : Vendor shall correct / revise &amp; resubmit it as " For Final " (Released for manufacturing if change incorporated as indicated)</td> </tr> <tr> <td><b>Code3</b></td> <td><input type="checkbox"/> (Commented) : Vendor shall correct / revise &amp; resubmit . It as " For Approval" of the date specified : ( Corrected documents to be resubmitted before starting manufacturing )</td> </tr> <tr> <td><b>Code4</b></td> <td><input type="checkbox"/> Not Acceptable quality (Reject)</td> </tr> <tr> <td colspan="2">           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         </td> </tr> <tr> <td style="text-align: center;">             OIEC – SP20 &amp;21         </td> <td>           Date: 18.Apr.2015            Dept: Machinery            Signature: A.Shahderian         </td> </tr> <tr> <td colspan="2">Only for internal review</td> </tr> <tr> <td>CV</td> <td>PI EL IN ME MA</td> </tr> <tr> <td>ST</td> <td>BU PR SA HV TL</td> </tr> </table>			<b>Code1</b>	<input checked="" type="checkbox"/> (Approved ) Vendor to submits " For Final " (No comment & release for manufacturing)	<b>Code2</b>	<input type="checkbox"/> ( Approved with comments ) : Vendor shall correct / revise & resubmit it as " For Final " (Released for manufacturing if change incorporated as indicated)	<b>Code3</b>	<input type="checkbox"/> (Commented) : Vendor shall correct / revise & resubmit . It as " For Approval" of the date specified : ( Corrected documents to be resubmitted before starting manufacturing )	<b>Code4</b>	<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		 OIEC – SP20 &21	Date: 18.Apr.2015 Dept: Machinery Signature: A.Shahderian	Only for internal review		CV	PI EL IN ME MA	ST	BU PR SA HV TL
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10	Feb,17,15	FINAL ISSUE	S.Ta	S.Ra	A.Ar															
09	Jan,10,15	FINAL ISSUE	S.Ta	A.Ar	A.Ar															
08	Nov,18,14	FINAL ISSUE	S.Ta	A.Ar	A.Ar															
07	Jul,06,14	ISSUED FOR APPROVAL	S.Ta	A.Ar	A.Ar															
06	feb,10,14	ISSUED FOR APPROVAL	S.Ta	A.Ar	A.Ar															
05	Aug,24,13	ISSUED FOR APPROVAL	A.Na	S.Ta	A.Ar															
04	Nov,04,12	ISSUED FOR APPROVAL	G.A	G.A	A.Ar															
03	Sep,27,12	ISSUED FOR APPROVAL	S.T	A.Ar	A.Ai															
02	Jul,23,12	ISSUED FOR APPROVAL	S.G	A.Ar	A.Ai															
01	May,20,12	ISSUED FOR APPROVAL	S.T/S.G	A.Ar	A.Ai															
00	May,08,12	ISSUED FOR APPROVAL	S.T/S.G	A.Ar	A.Ai															
REV.	DATE	DESCRIPTION	PRE'D	CHK'D	APP'D															
<b>SOUTH PARS GAS FIELD DEVELOPMENT (PHASES 20&amp;21), ASSALUYEH, IRAN ONSHORE FACILITIES</b>			CONTRACT NO.: POGC 572-88-35 REQ'N NO.: MR-SP2021-ON-MA-0910-0006																	
			ITEM NO.: 101-P-104/204/304/404 A/B DOCUMENT NO.: VP-SP2021-ON-MA-101-P104-0002																	

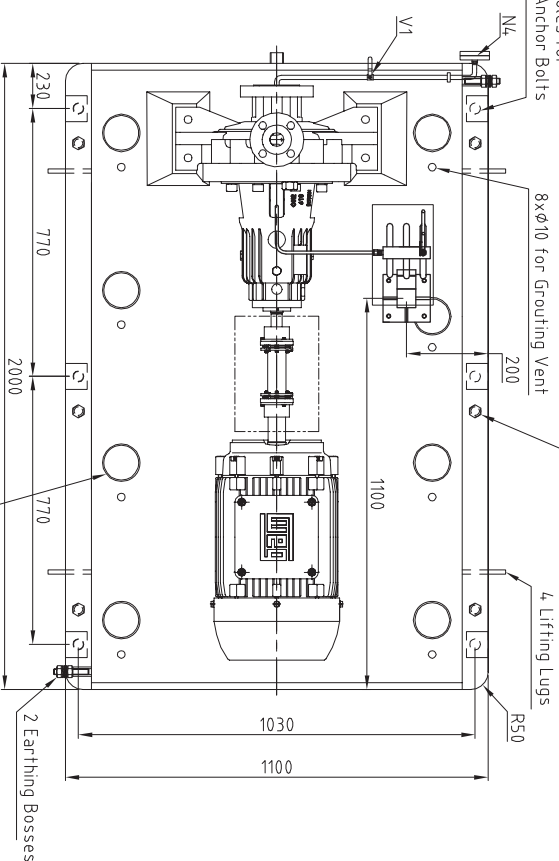
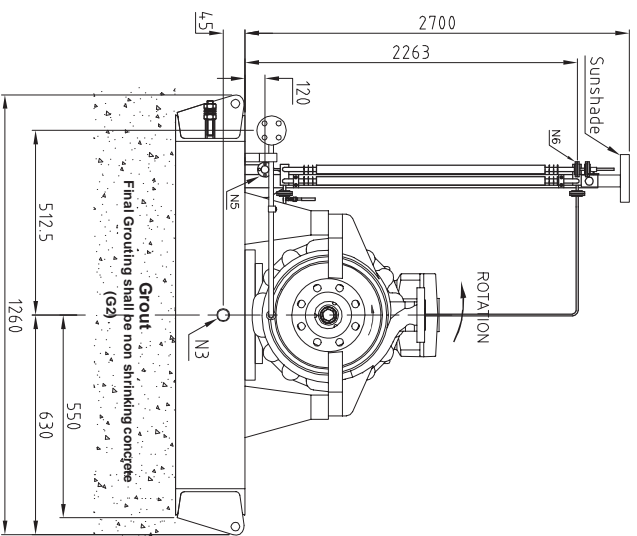
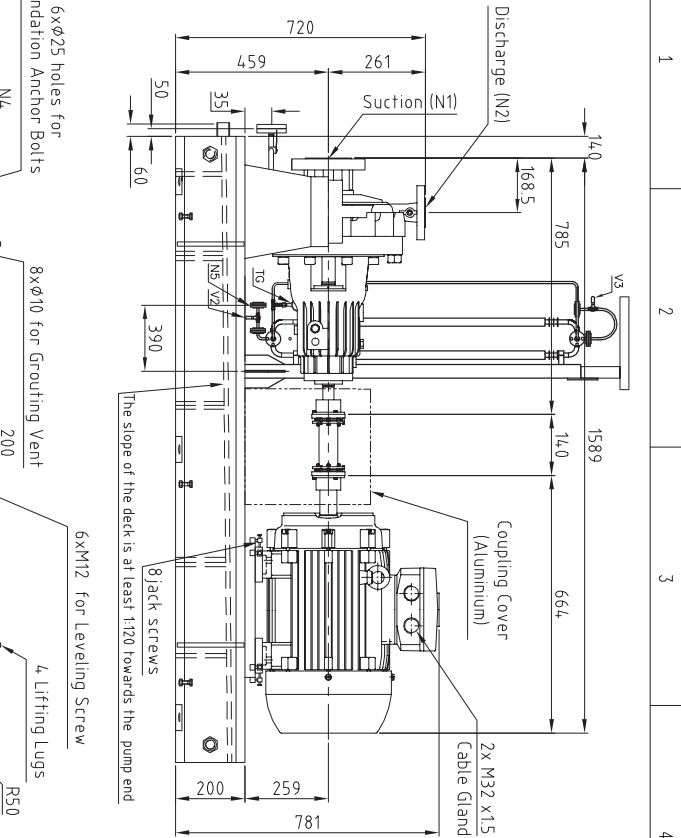


**General Arrangement Drawing**  
FOR Steam Condensate Pump  
101-P-104/204/304/404 A/B



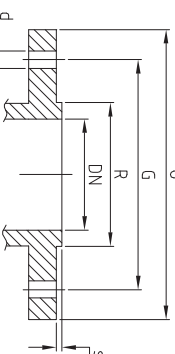
Page	Rev 0	Rev 1	Rev 2	Rev 3	Rev 4	Rev 5	Rev 6	Rev 7	Rev 8	Rev 9	Rev 10
1.	X	X	X	X	X	X	X	X	X	X	X
2.	X	X	X	X	X	X	X	X	X	X	X
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POS.	CONC.	TYPE	DESCRIPTION	0	G	Mean	d	rated	flow
						R	S		
M1	1	4" -ANSI 1500 RF	Section flange	254	200	8	22.2	15.2	1.6
M2	1	3" -ANSI 1500 RF	Discharge flange	110	168.3	8	22.2	12.7	1.6
M3	2	2" - 11 wt	Base Plate Pipe Flange	217	82.6	4	19	4.9	1.6
M4	1	3.4" -ANSI 600 RF	Pump Drain / Bond flange	110	82.6	4	19	4.9	1.6
M5	1	1/2" -ANSI 600 RF	Pump Drain / Bond flange	95	66.7	4	15.8	3.4	1.6
M6	1	3/4" -ANSI 600 RF	Seal Drain / Bond flange	117	82.6	4	19	4.9	1.6
F			formed into field enclosure						
T6			temperature logs						
V1	1	3/4" Bell Valve #820	Pump Drain valve (SS 316)						
V2	1	1/2" Bell Valve #820	Seal Drain Valve (SS 316)						
V3	1	1/2" Bell Valve #820	Seal Drain Valve (SS 316)						

ELECTRICAL MOTOR			
EL MOTOR :	WEG	PHASE :	3
FRAME :	180 M	VOLTAGE :	400
KW :	22	HZ :	50
ENCL. :	IP55, Eex	rpm :	2955
<b>COMPLAINS</b>			
UNIQUE TYPE : BOX SPL -100 x140			



**NOTE:**

- 1. All changes in this Revision has been marked by a cloud.
- 2. Since the pump is self-vented so no vent connection is needed.
- 3. Distance between each anchor bolt and wall screw hole is 100mm.
- 4. For detail of seal plan equipments refer to "VPS-2021-04-04-01-F164-0020"

VIBRATION LEVEL	
Alarm:	$V(RMS) > 3 \text{ mm/sec}$
Trip:	$V(RMS) > 3.5 \text{ mm/sec}$

**PUMP NOZZLES: ANSI B16.5**

SILICON :	5560	2840	2320	5150	2660	1350	2000	3600
<b>FOUNDATION LOADS (approx. weight)</b>								
Pipe :	215 kg							
BASE & COUPLING & SEALING SYSTEM :	620 kg							
WATER :	181 kg							
TOTAL :	1016 kg							
Dynamic loads are negligible								
10. Feb.17.15	FINAL ISSUE	L1/P	S1/g	S/Ro	A.A.	O/E		
09 Jan.10.15	FINAL ISSUE	L1/P	S1/g	S/Ro	A.A.	O/E		
09 Nov.18.14	FINAL ISSUE	L1/P	S1/g	A.A.	A.A.	O/E		

DISCHARGE : SUCTON :  2 (mm)													
	FORCE			0.6 (mm)			0.5 (degree)						
	N			MOMENTS			Nm						
	$F_x$	$F_y$	$F_z$	$M_x$	$M_y$	$M_z$		$F_x$	$F_y$	$F_z$	$M_x$	$M_y$	$M_z$
	2140	1780	2040	3860	1930	940	1440	2560	1440	2000	3600		
	3560	2840	2320	5120	2660	1360	2000	3600					

Technical drawing of a lifting lug assembly, showing a side view and a top view.

**Top View Dimensions:**

- Top width: 80
- Bottom width: 55
- Height: 40
- Central hole diameter:  $\phi 40$



**Side View Dimensions and Components:**

- Base Plate: 600 (width) x 85 (thickness)
- Primary concrete: 50 (thickness)
- Anchor Bolt H13: 100 (length)
- Washer 100x100x10: 100 (thickness)
- Anchor Bolt H13: 85 (length)
- Base Plate: 85 (thickness)

**Labels:**

- Base Plate
- Primary concrete
- Anchor Bolt H13
- Washer 100x100x10
- Anchor Bolt H13
- Base Plate
- Primary concrete

DESCRIPTION	DWG. NO.
PUMP DATA SHEETS	VP-SR2021-0N-WA-101-P104-0001
SECTIONAL DRAWING	VP-SR2021-0N-WA-101-P104-0004
Mechanical Detail Drawing & BOM	VP-SR2021-0N-WA-101-P104-0005
Coupling Drawing & BOM	VP-SR2021-0N-WA-101-P104-0006
ELECTRICAL MOTOR DATA SHEET	VP-SR2021-0N-WA-101-P104-0008
ELECTRICAL MOTOR OUTLINE DRAWING	VP-SR2021-0N-WA-101-P104-0008
SEAL PLAN DWG AND R&D	VP-SR2021-0N-WA-101-P104-0050

PROJECT No.:	POGC-872-B8-35	DOC CLASS:	01	SCALE :	none
Vendor:	 <b>LLP GROUP</b> IRAN INDUSTRIAL PAPERS CO.	Purchaser:	 <b>OIEC</b>		
Document Title:	<b>GENERAL ARRANGEMENT DRAWING</b> STEAM CONDENSATED PUMP DRAINING 101-P-104/204/304/404 A/B		Pump Type:	OHC 80-250	
DRAWING No.	VP-SGP21-09A-M- 101-P104-0002	SHEET No.	3 OF 3	REV.	10