

Drehstrommotor / E - Motor

Typ / type : Schorch KD1 132S-AA 45 G-M
 Leistung / power : 6.5 kW
 Drehzahl / speed : 2910 rpm
 Spannung / voltage : 400 V
 Frequenz / frequency : 50 Hz
 Bauform / type of const.: IM V1
 Schutzart / protection : IP 55

④ Sealing system drawn displaced

Fa. Burgmann
 TS2000-M302-D1
 Plan 52
 Sperrsystem
 Seal system
 um 60° verdreht
 gezeichnet

Kupplung
 coupling
 NAN 150-6-250

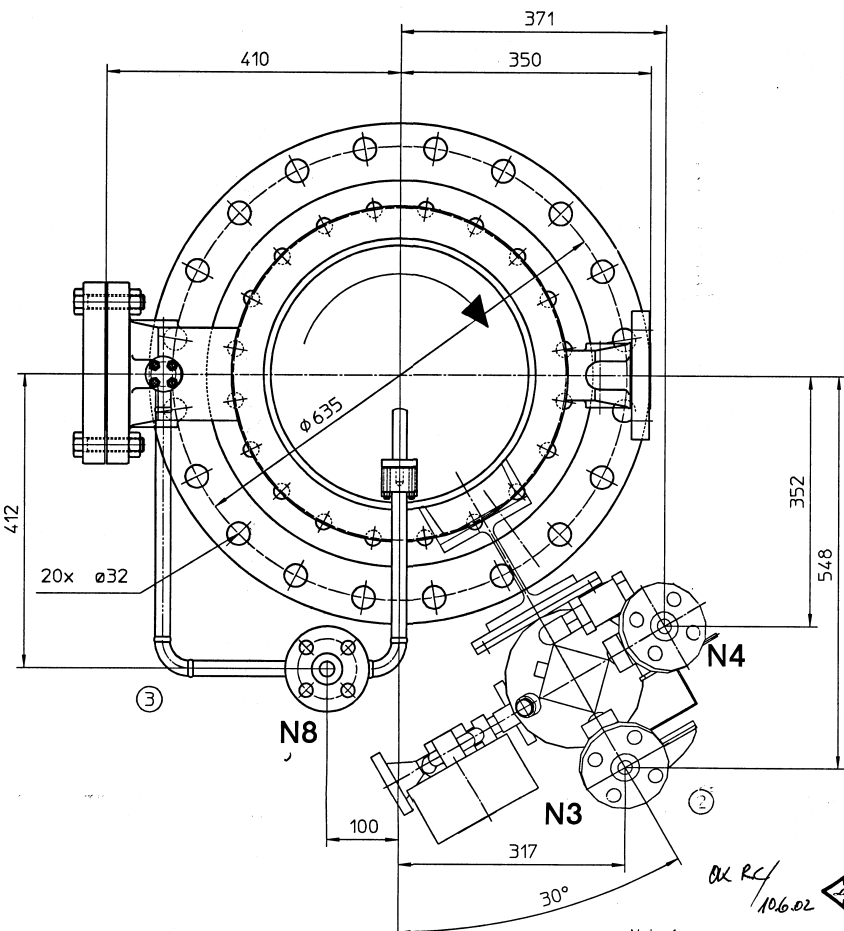
Entlüftung
 vent

Ölablauf
 oil drain

Konstant Level Oiler
 constant level oiler

C. of G.

Mounting Flange
 ANSI B 16.5 150lbs RF 20"



Note 1
 Proj. 181934 Bare Shaft Pump
 without Motor, Coupling and seal system

Übergabepunkte (nur intern) Terminal points (internal conn. only)			
ID REF.	ANSCHLÜSSE Connection		
N6	von GLRD From mechanical seal	1/2" ANSI B16.5 300lbs RF	
N7	zur GLRD To mechanical seal	1/2" ANSI B16.5 300lbs RF	

Revision for process conformity only

A No comments / work may proceed

B Comments noted - review and resubmit

C Work may proceed - subject to incorporation of comments indicated

D Work may proceed - subject to incorporation of comments indicated

E Work may proceed - subject to incorporation of comments indicated

F Work may proceed - subject to incorporation of comments indicated

G Work may proceed - subject to incorporation of comments indicated

H Work may proceed - subject to incorporation of comments indicated

I Work may proceed - subject to incorporation of comments indicated

J Work may proceed - subject to incorporation of comments indicated

K Work may proceed - subject to incorporation of comments indicated

L Work may proceed - subject to incorporation of comments indicated

M Work may proceed - subject to incorporation of comments indicated

N Work may proceed - subject to incorporation of comments indicated

Signature: _____ Date: _____

Übergabepunkte (nur extern) Terminal points (external conn. only)			
ID REF.	ANSCHLÜSSE Connection		
N1	Pumpeneinlaß Pump suction inlet	---	
N2	Pumpen Druckflansch Pump discharge flange	2" ANSI B16.5 300lbs RF	
N3	Füllanschluß Filling Connection	1" ANSI B16.5 300lbs RF	
N4	zur Fackel To Flare	1" ANSI B16.5 300lbs RF	
N5	Entleerung Drain	1/2" ANSI B16.5 300lbs RF	
N8	Entlüftung Vent	1" ANSI B16.5 300lbs RF	
E1	Hauptklemmenkasten Motor Motor main term. box	?	
E2	Erdungsboizen Unit earthing conn.	(1x) M10 diagonal	

General Arrangement Drawing for
 Cold Stop Pump
 10-P-7071

OWNER: LINDE AG für Marun, Iran

PROJECT: C2+ RECOVERY AND GAS CRACKING PLANTS

CONTRACTOR: NARGAN COMPANY

DATE: 10.06.02

RUHRPUMPEN Ruhrpumpen GmbH Witten/Germany

Project No. 181934 Year 2002

Type VLT 2x8x2 Design No. 10-P-7071 SPARE

Liquid Water + Gasoline

Desity 847 kg/m³ T 45.2 °C Visc 0.565 mPas

Capacity 11 m³/h Total Head 52 m

Speed 2910 rpm Power Input 4.2 kW

NPSH req. 2.2 m Suc. Pressure 0.12 barg

Hyd. Test 60 barg Dis. Pressure 4.44 barg

Weight of Unit 855 kg

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Gewichte / Weight		Zeichnungsliste / List of drawings	
Pumpe / Pump	600 kg	Zirkulation Circulation	Plan 13 700 431 0272 .3
Kupplung / Coupling	10 kg	Sperrleitung Flushing line	Plan 52 700 431 0275 .3
Motor / Motor	85 kg	Sperrsystem Seal system	700 431 0266 .1
Sperrsystem / Seal system	60 kg	Gleitringdichtung Mechanical seal	701 431 0253 .1
Montageflansch / Mounting flange	100 kg	Schnittzeichnung Pumpe Cross sectional pump	701 431 0252 .0
Gesamtgewicht / Total weight	855 kg		
Kunde Customer	Linde AG für Marun, Iran		
RP Auftr. Nr. / RP order No.	Bau Nr. / Tag No.		
181934 1)	10-P-7071 SPARE		
181933	10-P-7071		

Allgemeine Angaben / General Remarks

Pumpen sind keine Fixpunkte im Rohrleitungssystem.
 Rohrleitungen spannungsfrei anschließen.

Pumps are not fixing points in the piping system.
 Pipes and accountments shall be connected without stresses.

Alle Anschlüsse am Spindelgehäuse für Entleerung und Zirkulation sind geflanscht.
 All volute casing connections for drain and circulation are flanged-design

Drehrichtung der Pumpe (vom Antrieb aus gesehen).
 Direction of rotation of pump (viewed from driver to the pump)

Flanschabmessungen / flange dimensions							
Flanschanschlußmaße flange dimensions	Nennweite size DN	Flansch flange	Lochkreis bolt circle	Bohrung bolt hole	Anzahl No. of holes	Fischdicke flange thickness	Dichtleiste flange height
300 lbs / ANSI B16.5 RF	2"	180	127.0	19	8	26	91.9
Montageflansch Mounting flange	20"	700	635	32	20	45	584

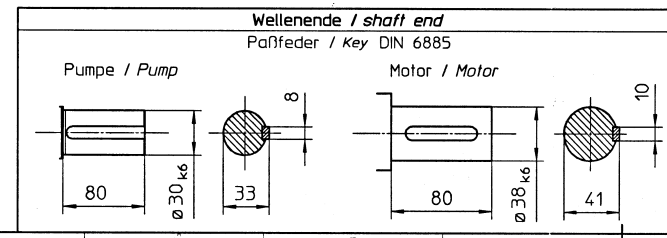
Arrangement Drawing

Zeichnungs-Nr. 7004310262.1

Formal Rev 4

Blatt 1

Änderung	Änderungs-Beschreibung	Datum	Name	Datum	Name	Datum	Name
4	Text added/changed	18 Apr 02	Maged	18 Apr 02	Maged	18 Apr 02	Maged
3	Circulation line added	05 Feb 02	Maged	05 Feb 02	Maged	05 Feb 02	Maged
2	Rotated Seal System 90°	24 Jan 02	Maged	24 Jan 02	Maged	24 Jan 02	Maged
1	Indicate Comment	27 Nov 01	Maged	27 Nov 01	Maged	27 Nov 01	Maged



Kräfte und Momente / Forces and moments			
Druckstutzen D Discharge branch D	Druckstutzen D Discharge branch D	Druckstutzen D Discharge branch D	Druckstutzen D Discharge branch D
DN 2"	DN 2"	DN 2"	DN 2"
Fx 1420	Fy 1780	Fz 1160	Fr 2560
Mx 920	My 460	Mz 700	Mr 1240