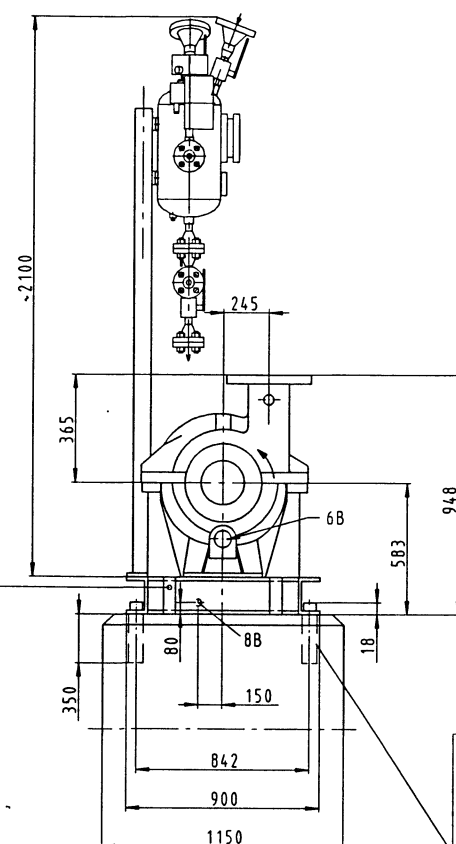
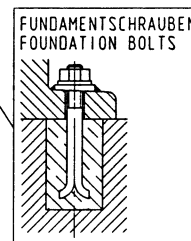


GRUNDPLATTE MIT 4 HEBEÖSEN
BASEPLATE WITH 4 LIFTING LUGS

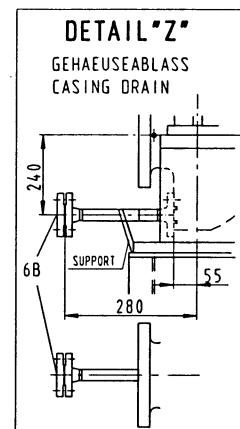
SCHWERPUNKT
CENTRE OF GRAVITY



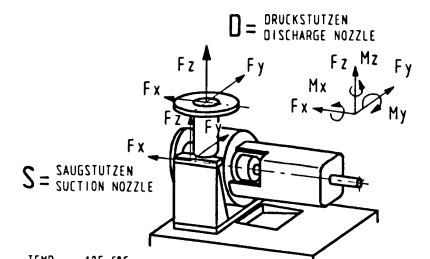
MASSE IN MM / DIMENSIONS IN MM



FUNDAMENTSCHRAUBEN
FOUNDATION BOLTS



DETAIL "Z"
GEHÄUSEABLAUSS
CASING DRAIN



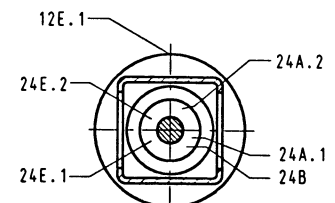
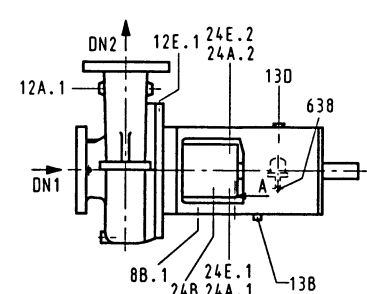
TEMP. = 125.5°C

ZULÄSSIGE KRAEFTE UND MOMENTE ENTSPRECHEN MIN. 2X API 610/8.
DIE ANGABEN GELTEN FÜR STATISCHE ROHRLEITUNGSLASTEN.
BEI ÜBERSCHREITUNG IST NACHPRÜFUNG ERFORDERLICH.
ADMISSIBLE FORCES AND MOMENTS CORRESPOND TO MIN. 2X API 610/8.
DATA GIVEN BELOW ARE ONLY VALID FOR STATIC PIPING LOADS.
IF VALUES ARE EXCEEDED CHECK IS NECESSARY.

KRAEFTE, MOMENTE / FORCES, MOMENTS

	SAUGSTUTZEN SUCTION NOZZLE				DRUCKSTUTZEN DISCHARGE NOZZLE			
KRAEFTE FORCES (N)	Fx	Fz	Fy	Fres	Fx	Fz	Fy	Fres
	2670	1780	2140	3860	1430	1780	1160	2560
MOMENTE MOMENTS (Nm)	Mx	Mz	My	Mres	Mx	Mz	My	Mres
	1900	1440	950	2570	920	710	460	1250

24E.1/24A.1	NPT 3/8	QUENCHFLUESSIGKEIT EIN/AUS - QUENCH LIQUID INLET/OUTLET	X	-	-	-	-	-
31M	M10	ERDUNGSANSCHLUSS - EARTHING CONNECTION	-	X	-	-	-	-
24B	NPT 1/2	QUENCHFLUESSIGKEIT ABLASS - QUENCH LIQUID DRAIN	X	-	-	-	-	-
24E.2/24A.2	NPT 1/2	VORLAGEFLUESSIGKEIT EIN/AUS - BUFFER LIQUID INLET/OUTLET	-	-	X	-	-	-
12E.1/12A.1	NPT 1/2	ZIRKULATIONSFL. EIN/AUS - CIRCULATION LIQUID INLET/OUTLET	-	-	X	-	-	-
88.1	NPT 1	LECKABLAUSS - LEAKAGE DRAIN	-	-	X	-	-	-
88	NPT 1	LECKABLAUSS GRUNDPLATTE - LEAKAGE DRAIN BASEPLATE	-	X	-	-	-	-
68	NPT 1	GEHÄUSEABLAUSS - CASING DRAIN	BLIND FLANGE	-	-	-	-	-
13B	NPT 1/2	ÖLABLAUSS - OIL DRAIN	X	-	-	-	-	-
13D	NPT 1/2	ENTLUEFTUNGSSTOPFEN - VENT PLUG	X	-	-	-	-	-
638	NPT 1/4	ÖLSTANDSREGLER - CONSTANT LEVEL OILER	WIRD LOSE MITGELIEFERT - LOOSE ITEM	-	-	-	-	-
ANSCHLUSS CONNECTION	GROSSE SIZE	BEZEICHNUNG DESIGNATION	MIT STOPFEN VERSCHLOSSEN/ CLOSED WITH SCREW PLUG	KUNDE/ CUSTOMER	KSB	ERF. MENGE/ QUANTITY REQU.	ACTUAL PRESSURE	DESIGN PRESSURE
		GEWINDE NACH DIN ISO 228, TEIL 1 UND ISO 7/1 (ENTSPRICHT DIN 2999 TEIL 1) / THREAD ACC. TO DIN ISO 228, PART 1 AND ISO 7/1 (CONFORMING TO DIN 2999, PART 1)		SCHLIESST AN/ CONNECTED BY		L/MIN	BAR G	BAR G
ANSCHLUESSE / CONNECTIONS DIE AUSFUEHRUNG DES AUFTRAGES IST DURCH X GEKENNZEICHNET / THE EXECUTION OF THE ORDER IS MARKED BY X								



ANSICHT A
VIEW A

J	ASME B16.5 CL.300RF NPS1/2"	THERMOSYPHON SYSTEM DRAIN FLANGE
I	ASME B16.5 CL.300RF NPS1"	THERMOSYPHON SYSTEM - FLANGE TO FLARE
H	ASME B16.5 CL.300RF NPS1"	THERMOSYPHON SYSTEM FILLING CONNECTION FLANGE
6B	ASME B16.5 CL.300RF NPS1"	PUMP DRAIN FLANGE
DN2	ASME B16.5 CL.300RF NPS2"	PUMP DISCHARGE FLANGE
DN1	ASME B16.5 CL.300RF NPS3"	PUMP SUCTION FLANGE
ANSCHLUSS CONNECTION	AUSFUEHRUNG DESIGN	REMARKS
FLANSCHEN / FLANGES		

GRUNDPLATTENGROSSE BASEPLATE SIZE	AN845-591
MOTORGROSSE MOTOR SIZE	SCHORCH KA7 225M-AB01G-Z 2960RPM / 37kW
KUPPLUNGSGROSSE COUPLING SIZE	FLENDER N-EUPEX H 125-140
GROSSEN / SIZES	

PUMPE	PUMP	441
GRUNDPLATTE	BASEPLATE	479
KUPPLUNG	COUPLING	12
ANTRIEB	DRIVE	330
ROHRLEITUNG	PIPELINE	60
-	-	-
GESAMT	TOTAL	1322
GEWICHTE / WEIGHTS		KG

REVISIONS LIST

NO.	DATE	DESCRIPTION	BY	CHK.	APP.	PROJ.
1	2001-12-11	AS BUILT	DRESSEL	KOSMAK	SCHIRM	WILTERHUS
2	2001-12-11	AS BUILT	DRESSEL	KOSMAK	SCHIRM	WILTERHUS
3	2001-07-31	1ST EDITION	DRESSEL	KOSMAK	SCHIRM	WILTERHUS

GENERAL ARRANGEMENT DRAWING FOR
DEBUTANIZER BOTTOM PUMP
ITEM NO.: 10-P-4472 A/B

OWNER: NATIONAL PETROCHEMICAL COMPANY
MARUN PETROCHEMICAL COMPANY

PROJECT: C2+ RECOVERY AND GAS CRACKING PLANTS

CONTRACTOR: LITTE ENGINEERING AND CONTRACTING

DATE: 2001-12-11

BY: DRESSEL

CHK. BY: KOSMAK

APP. BY: SCHIRM

PROJ. ENGR: WILTERHUS

REVISIONS LIST

NO.	DATE	DESCRIPTION	BY	CHK.	APP.	PROJ.
1	2001-12-11	AS BUILT	DRESSEL	KOSMAK	SCHIRM	WILTERHUS
2	2001-07-31	1ST EDITION	DRESSEL	KOSMAK	SCHIRM	WILTERHUS

ITEM NO.: 10-P-4472 A/B

9970089248

6-N27-503923/1-2

RPH 50-450

AUFSTELLUNGSPLAN
INSTALLATION PLAN

F 103585

BLATT 1 VON 4
SHEET 1 OF 4