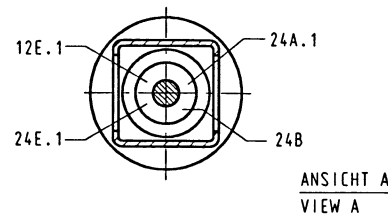
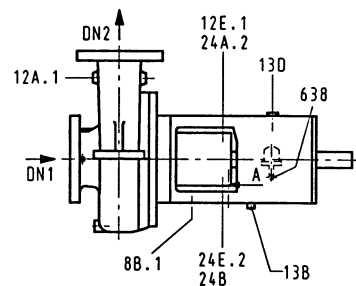


ZULAESSIGE KRAEFTE UND MOMENTE ENTSPRECHEN MIN. 2X API 610/8. DIE ANGABEN GELTEN FUER STATISCHE ROHRLEITUNGSLASTEN. BEI UEBERSCHREITUNG IST NACHPRUEFUNG ERFORDERLICH. ADMISSIBLE FORCES AND MOMENTS CORRESPOND TO MIN. 2X API 610/8. DATA GIVEN BELOW ARE ONLY VALID FOR STATIC PIPING LOADS. IF VALUES ARE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

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

24E/24A	NPS1/2"	QUENCHFLUESSIGKEIT EIN/AUS - QUENCH LIQUID INLET/OUTLET	-	-	X	5	-0.5	-
31M	M10	ERDUNGSANSCHLUSS - EARTHING CONNECTION	-	X	-	-	-	-
24B	NPT 1/2	QUENCHFLUESSIGKEIT ABLASS - QUENCH LIQUID DRAIN	X	-	-	-	-	-
24E.2/24A.2	NPT 1/2	QUENCHFLUESSIGKEIT EIN/AUS - QUENCH LIQUID INLET/OUTLET	X	-	-	-	-	-
12E.1/12A.1	NPT 1/2	ZIRKULATIONSFL. EIN/AUS - CIRCULATION LIQUID INLET/OUTLET	-	-	X	-	-	-
8B.1	NPT 1	LECKABLAUSS - LEAKAGE DRAIN	-	-	X	-	-	-
8B	NPT 1	LECKABLAUSS GRUNDOPLATTE - LEAKAGE DRAIN BASEPLATE	-	X	-	-	-	-
6B	NPS1"	GEHAUSEABLAUSS - CASING DRAIN	BLIND FLANGE	-	-	-	-	-
13B	NPT 1/2	OELABLAUSS - OIL DRAIN	X	-	-	-	-	-
13D	NPT 1/2	ENTLUFTUNGSSTOPFEN - VENT PLUG	X	-	-	-	-	-
63B	NPT 1/4	OELSTANDSREGLER - 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

24A	ASME B16.5 CL.300RF NPS1/2"	QUENCH OUT FLANGE API PLAN 62
24E	ASME B16.5 CL.300RF NPS1/2"	QUENCH IN FLANGE API PLAN 62
6B	ASME B16.5 CL.300RF NPS1"	PUMP DRAIN FLANGE
DN2	ASME B16.5 CL.300RF NPS1-1/2"	PUMP DISCHARGE FLANGE
DN1	ASME B16.5 CL.300RF NPS2"	PUMP SUCTION FLANGE
ANSCHLUSS CONNECTION	AUSFUEHRUNG DESIGN	REMARKS
FLANSCHEN / FLANGES		

GRUNDOPLATTENGROSSE BASEPLATE SIZE	ZN24259-7S
MOTORGROSSE MOTOR SIZE	SCHORCH KA7 132S-AB01G-V 2900RPM 5.5kW
KUPPLUNGSGROSSE COUPLING SIZE	FLENDER N-EUPEX H 95-140
GROSSEN / SIZES	

PUMPE	PUMP	13B
GRUNDOPLATTE	BASEPLATE	222
KUPPLUNG	COUPLING	9
ANTRIEB	DRIVE	41
-	-	-
-	-	-
GESAMT	TOTAL	410
GEWICHTE / WEIGHTS		KG

☐ R Review for accuracy and clarity only

☒ A Approved for assembly and installation

☐ P Permitted to be used in the field

☐ F Field use only (subject to inspection and approval)

☐ X Not permitted to be used in the field

☐ N Not permitted to be used in the field

Approved for assembly and installation: *[Signature]* Date: *10.12.01*

Approved for field use: *[Signature]* Date: *10.12.01*

1	2001-10-18	AS BUILT	DRESSSEL	KOSMAK	SCHWAB	MULTERUS
0	2001-08-01	1ST EDITION	DRESSSEL	KOSMAK	SCHWAB	MULTERUS
STATUS	ISSUE	DATE	DESCRIPTION	PREP. BY	CHK. BY	APP. BY
DRAWING TITLE: GENERAL ARRANGEMENT DRAWING FOR SPENT CAUSTIC PUMP ITEM NO.: 10-P-2771 A/B						
OWNER: ENG. NO. 10-VD-A1-RE-011-035-L			P.O. NO.: 2PB434			
LINE: ENG. NO. M-ZA 50044			OWNER JOB CODE / PROJ. NO.			
LINE JOB CODE / PROJ. NO. MARUN / 3110 004			PECCO / 70700A PECCO / 70700A			
OWNER: NATIONAL PETROCHEMICAL COMPANY MARUN PETROCHEMICAL COMPANY						
PROJECT: C2+ RECOVERY AND GAS CRACKING PLANTS						
CONTRACTOR: <b>Linde</b> LINDE ENGINEERING AND CONTRACTING DIVISION						
NARGAM COMPANY						

ZEICHNUNGS-NR./DRAWING NO.	2001-10-18	KOSMAK	GEPR.	1	NETZLEITER-NR./PURCHASER NO.	ITEM-NO.: 10-P-2771 A/B
CAD	2001-10-18	DRESSSEL	1	NETZLEITER-NR./PURCHASER NO.	0	
DATE/DATE	2001-08-01	DRESSSEL	0	DATE/DATE	2001-08-01	
NAME	NAME	NAME	NAME	NAME	NAME	NAME
BAUZEICHEN-GROSSE/TYP-SIZE	9970089248	BAUZEICHEN-GROSSE/TYP-SIZE	9970089248	BAUZEICHEN-GROSSE/TYP-SIZE	9970089248	BAUZEICHEN-GROSSE/TYP-SIZE
RPH 40-230	AUFSTELLUNGSPLAN	INSTALLATION PLAN	F 103593	BLATT	VON	4
BLATT SHEET 1 OF 4						