



**Bornemann
Pumps**

D-31676 Obernkirchen, P.O. Box 1162
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**MW 10.5zk-132 DS
Multiphase pump**

ORDER

N1 812070 + 71

Client	: Bornemann Inc. (BIC)	Quantity	: 2
	CNRL c/o IMV Projects	Customer No	: 399492
Order-Date	P.O. Z03605-MAT1630-002	Unit code	: 1534
Project-Nr.	Primrose South Pad 55	Branch	:
Position	Tag # P-6001, P-6101	Person in cha	: Schoeneberg
Project name		Order	:
Application		delivery date	: 02.06.2006
		Serial-No.	:

				PERFORMANCE DATA		
Pumped liquid	: Multiphase Mixture with H2S	Operational data				
			from	to	Guaranteed	
Temperature	°F : 70 to 75	Capacity	m3/h : 797	2475	1890	
Viscosity	cSt : 1.00	Suction pressure	bar : 0,4	0,4	0,4	
Density	kg/dm ³ : 0,972	Disch. pressure	bar : 12,0	12	12,0	
Vapour Press.	bar :	Diffe. Pressure	bar : 11,6	11,6	11,6	
Solids	% :	Speed	rpm : 500	1500	1056	
Grain size	mm :	Shaft motor	KW : 339	1043	790	
Gas content	% : 95 to 97	Motor power	KW :			
Ph-value	% :	Max. design speed	rpm :		1500	

				MATERIALS	
Pump casing	: 1.0425/ASTMA516 gr.(Sealing housing	: 1.4057	O-Rings	: VITON	
Screws	: 1.4057/ASTMA276 gr. Seal gland	: 1.4057	Shaft sleeves	:	
Shafts	: 1.4542/ASTMA564 gr. bearing housing	: GGG 40.3	Drain piping	:	
stator	: Ni resist D2 intermediate fla:	Standard	Mech.Seal.Piping	:	
	Gaskets	: Asbestfrei			

				SHAFT SEALING	
Shaft sealing	: GLRD	Material code	: AQ1VMG1 (1.4462)	Piping	: standard
Type	: HSHJ 42	Configuration	: single acting	API-Plan	: 52/32 Anschl.
Make	: Burgmann	Lantern/oil ring	:	Steam	:

				HEATING	
Pump heating	:	Heating medium	:	bar	°C
Max.casing data	: bar	Design data	:	bar	°C
Heating device	:				

				BYPASS	
Bypass	: without handwheel	opening press	: 12,8	bar	

				ACCESSORIES	
Baseplate	:	Additional acc.	:		
Coupling guard	:				
Coupling	:	Motor size	:		

				PAINTING	
Painting	: QA 09025	Primer coat	:		
Blasting	:	Intermediate coa	:		
Preservation	: QA 09011 for 2 years	Final coat	:		

				EXECUTION	
Installation: Horizontal rotation:	right	Name plate	english	Position of dr. shaft	left

				CONNECTION	
	Suction flange	discharge flange	heating flange	Drain piping	Quench
Standard	: ANSI B16.5	ANSI B16.5			
Size	: 20" 300 Lbs RF	20" 300 Lbs RF		2" 300 lbs RF	
Position	: left	top		bottom	

				DRIVE	
Driver	:	Power	HP :	Bauform	:
Type	:	Speed	rpm :	Baugröße	:
Make/Country	:	Voltage	V(D/S) :	Schutzart	:
Delivery	: customer	Frequency	Hz :	Ex-Schutz	:
Assembly	: customer			Isoklasse	:
Remarks	:				

				PERFOR. TEST/DOCU	
Hydrostatic test	: yes/no	acc.	pressure	by	certificate
	yes	EN 10204-3.1B	75 barg	Hertzer	1-fold
Performance test	: yes	VDMA 24284		Hertzer	1-fold
documentation	: English	O & M manual		1-fold	Dim. Drawing: 1-fold

REMARKS

Primrose South Pad 55
Bornemann MW10.5zk-132
Pump Comm # 812070
Pump S/N: 92926, 92927