







Benennung / designation			Bezeichnung 2/ designation 2		Dokument Nr. AM/doc no. AM		Auftrags-Nr./ job no		Typ/ typ		 AERZEN	
Stückliste / Part list			Installation 2.stage Unit 5		4000899663		158540		GQa22.23xz			
	name	date	zugehörige Dokum./ related documents		Dokum. Nr. Kunde / document no. CU		Dokum.- Nr. alt/ Docum. no. Old		Rev.		Projekt/ project	
prepared	Schulz	31.01.19	4000861542,4000861544,4000868902, 4000868340,4000816553 4000808078,4000808006				-		00		-	
released	Colusso	31.01.19										
Pos. Nr./ item no.	tech.Specif./ tec.spec.	Stckz./ qty. Einh./ unit	Benennung/ designation		Variable Benennung/ additional designation		Abmessung/ dimension		Norm, Dwg/ norm, dwg		Mat.-Nr., Spezif./ mat.-no., spec.	
1000			main components									
1010		1	blower				GQa 22.23 xz				2000047672	
1100			main components arrangement									
1105		1	motor								2000047790	
1110		1	gear box				ASR 413 -R-CCW				2000048904	
1120		1	coupling (blower/gear box)				BOKU-N A 10.000		St		2000050005	
1125		1	coupling (gear box/motor)				GMK 3400-6-DE-AA-300		St		2000049840	
1150		1	coupling guard(blower/gear box)						4000808018		St,zincd 2000051070	
1160		1	support for coupling guard						4000808019		St 2000051074	
1170		1	coupling guard (gear box/motor)						4000808020		St,zincd 2000051075	
1180		1	support for coupling guard						4000808021		St 2000051076	
1185		20	hexagon screw		4 spare parts		M8x30				8.8 A2F 115047000	
1186		20	hexagon nut		4 spare parts		M8				8-A2F 115779000	
1187		20	wascher		4 spare parts		8		din-en-iso7090		St,zincd 119132000	
1250		1	electrical assecories kit		provided with blower		3RN1010-1CW00				121905000	
1251		2	vibration monitoring		provided with blower		PCH 1275/ATEX, Eex				178453000	
1252		2	adapter for vibration monitoring		provided with blower		M12/M16		St		179976000	
1500			instrumentation process		see attached P&I				4000346805		ELOG 2000051569	
1510		1	emergency switch off feeler								GFK 947880000	
1511		1	2/2-way magnetic valve				3/4" NPT				2000031230	


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released	Colusso	31.01.19				4000897200					
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1512			heating control		for all heaters in project						2000051519
1900			fastening		in loose condition						
1910		66	straddling dowel		oil units, Coupling gards, pipe supports instrument rack	M12x115, T fix=10mm					2000043631
2000			Forward oil blower		Loose delivered						
2001		1	Lateral expansion joints			RN0050/16/L010/F/ F-139			1.4541		
2010			Fastening		Loose delivered						
2011		2	Flat gasket			DN50 PN16 / Form IBC		din-en1514-1	IFG 5500		
2012		8	Hexagon screw			M16 x 65		din-en-iso4014	A2-70		
2013		8	Hexagon nut			M16		din-en-iso4032	A2-70		
2050			oil leakage mechanical seal								
2055		1	rubber expansion joints type A-1		loose delivered	DN40,PN16			1.4541/NBR		
2056		1	flat gasket			DN40 PN40		din-en1514-1	IFG 5500		
2057		4	hexagon screw			M16 x 65		din-en-iso4014	A2-70		
2058		4	hexagon nut			M16		din-en-iso4032	A2-70		
2100			piping forward oil blower								
2350			piping oil leakage mechanical seal								
2515			water injection		loose delivered						
2516		1	rubber expansion joints type A-1			DN40/PN16			1.4541/NBR		
2520			fastening		loose delivered						
2521		4	hexagon screw			M16 x 65		din-en-iso4014	A2-70		


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2522		4	hexagon nut			M16	din-en-iso4032		A2-70		
2523		1	flat gasket			DN40/PN40	din-en1514-1		IFG 5500		
2540		1	assembly device		loose delivered						
2600			piping forward water labyrinth								
2700			piping water injection								
2800			piping forward water labyrinth with filter								
2802		1	rubber expansion joints type A-1		loose delivered	DN20/PN40	din-en1514-1		1.4541/NBR		
2808		2	flat gasket			DN20/PN40	din-en1514-1		IFG 5500		
2809		8	hexagon screw		for pos.2806+2802	M12 x 50	din-en-iso4014		A2-70		
2810		8	hexagon nut			M12	din-en-iso4032		A2-70		
3500			return oil blower		loose delivered						
3501		1	flow indicator			DN150/PN10			EN-GJL		
3502		1	expansion joint			DN100/PN16			HKS		
3503		1	expansion joint			DN100/PN16			HKS		
3510			fastening		loose delivered						
3511		3	flat gasket		1 spare part	DN150/PN16	din-en1514-1		IFG 5500		
3512		8	flat gasket		1 spare part	DN100/PN16	din-en1514-2		IFG 5500		
3513		16	hexagon screw			M16x40	din-en -iso4017		5.6-A2F		
3514		40	hexagon screw			M16x65	din-en -iso4015		5.6-A2F		
3515		40	hexagon nut			M16	din-en -iso4032		5-2 A2F		
3516		8	hexagon screw			M20x50	din-en -iso4017		5.6-A2F		

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3517		8	hexagon screw				M20x70		din-en -iso4014		5.6-A2F	
3518		8	hexagon nut				M20		din-en -iso4032		5-2 A2F	
3519		3	support for pipe connection				DN100				St	
3530			return oil blower piping		loose delivered							
3531		1	pipe connection				DN150/DN100/PN16					
3550		1	pipe connection				DN100/PN16					
3560		1	pipe connection				DN100/PN16					
3570		1	pipe connection				DN100/PN16					
3600			forward oil gear box piping		loose delivered and adjusted at mounting							
3601		1	pipe connection									
3650			return oil gear box piping		loose delivered and adjusted at mounting							
3651		1	pipe connection									
3700												
3700			water return conveying chamber		loose delivered							
3701		1	flex bellow				DN125/PN16				stainless steel	
3702		1	flex bellow				DN50/PN40				stainless steel	
3705			fastening		loose delivered							
3706		4	flat gasket		1 spare part		DN125/PN40		din-en1514-2		IFG 5500	
3707		8	hexagon screw				M16x40		din-en-iso4017		5.6-A2F	
3708		16	hexagon screw				M16x70		din-en-iso4015		5.6-A2F	


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released	Colusso	31.01.19	4000808078,4000808006				4000897200					
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3709		16	hexagon nut				M16		din-en-iso4032		5-2 A2F	
3710		3	flat gasket		1 spare part		DN50/PN40		din-en1514-1		IFG 5500	
3711		4	hexagon screw				M16x35		din-en-iso4017		5.6-A2F	
3712		4	hexagon screw				M16x55		din-en-iso4014		5.6-A2F	
3713		4	hexagon nut				M16				5-2 A2F	
3715		1	support for pipe connection				DN125		2SG-4191		St	
3730			water return conveying chamber		loose delivered							
3731		1	pipe connection piece				DN125					
3740		1	pipe connection piece				DN125 / 5"					
3742		2	welding neck flange				ANSI 5", 150lbs		ANSI B16,5		1.4301	
3743		2	welding neck flange				ANSI 1", 150lbs		ANSI B16,5		1.4301	
3748		2	spiral wound gasket		1 spare part		5"		ASME B 16.20		Graphite	
3749		8	stud bolt				3/4"-10UNC x 5"		ANSI B 16.5		1.4571	
3750		16	hexagon nut				3/4"-10UNC		ANSI B 18.2.2		1.4571	
3751		2	spiral wound gasket		1 spare part		1"		ASME B 16.20		Graphite	
3752		4	stud bolt				1/2"-13UNC x 2,75"				1.4571	
3753		8	hexagon nut				1/2"-13UNC		ANSI B 18.2.2		1.4571	
3800			water return side plates		loose delivered							
3801		2	flex bellow				DN80/PN16				stainless steel	
3810			fastening		loose delivered							
3811		7	flat gasket		1 spare part		DN80/PN40		din-en1514-1		IFG 5500	
3812		16	hexagon screw				M16x40		din-en-iso4013		5.6-A2F	

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3813		32	hexagon screw				M16x65		din-en-iso4014		5.6-A2F	
3814		32	hexagon nut				M16		din-en-iso4032		5-2 A2F	
3816		3	support for pipe connection				DN80		2SG-4191		St	
3830			water return side plates		loose delivered							
3831		1	pipe connection piece				DN80/PN16					
3840		1	pipe connection piece				DN80/PN16					
3850		1	pipe connection piece				DN80/PN16					
3852		2	welding neck flange				ANSI 3", 150lbs		ANSI B16.5		1.4301	
3853		2	spiral wound gasket		1 spare part		3"		ASME B 16.20		Graphite	
3854		4	stud bolt				5/8"-11UNC x 3 3/4"		ANSI B 16.5		5.6-A2F	
3855		8	hexagon nut				5/8"-11UNC		ANSI B 18.2.2		5-2 A2F	
6700												
6700			mounting on foundation									
6701		30	jack screw		2 spare parts		KS 4040 C				St	
6702		2	anchor bar blower						4000808022		Customer	
6703		2	foot plate blower						4000808023		2000051490	
6704			floating bearing									
6705		3	tee-head bolt with square neck		1 spare part		M42x280		din7992		5.6-A2F	
6706		3	hexagon nut		1 spare part		M42		din-en-iso4032		5-A2F	
6707		3	disk		1 spare part		42		din-en-iso7090		St,zincd	
6708			fixed bearing									
6709		3	tee-head bolt with square neck		1 spare part		M42x260		din7992		5.6-A2F	
											180003000	

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6710		3	hexagon nut		1 spare part		M42		din-en-iso4032		5-A2F	
6711		3	disk		1 spare part		42		din-en-iso7090		St,zincd	
6712		2	bushing for footscrew		blower foot		54x44x115lg.		4sg-6757		1.4541	
6713		6	disk spring				90x46x5 Lo=7mm				St	
6714		40	shim				0,25x200x365				S235JR	
6715		20	shim				1,0x200x365				S235JR	
6716		10	shim				2,0x200x365				S235JR	
6717		2	set of shims				(40parts)				St	
6718		10	tee-head bolt with square neck		2 spare parts		M42x1000				5.6-A2F	
6719		20	hexagon nut		4 spare parts		M42				5-A2F	
6720		20	disk		4 spare parts		42		din-en-iso7090		St,zincd	
6721		10	hexagon screw with full dog point		2 spare parts		AM20x120 mit Zapfen		din561		8.8-A2F	
6730			anchor bar and foot plate for gear box									
6731		1	anchor bar gear box						4000808024		Customer	
6732		1	foot plate gear box						4000808025		2000051491	
6733		7	tee-head bolt with square neck		1 spare part		M36x240		din7992		5.6-A2F	
6734		7	hexagon nut		1 spare part		M36		din-en-iso4032		5-A2F	
6735		7	disk		1 spare part		36		din-en-iso7090		St,zincd	
6736		5	tee-head bolt with square neck		1 spare part		M42x1000		din7992		5.6-A2F	
6737		10	hexagon nut		2 spare parts		M42		din-en-iso4032		5-A2F	
6738		10	disk		2 spare parts		42		din-en-iso7090		St,zincd	

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6739		40	shim			0,25x120x200, Nr.13		S235JR	183080000	
6740		20	shim			1,0x120x200, Nr.14		S235JR	183081000	
6741		10	shim			2,0x120x200, Nr.15		S235JR	183082000	
6742		10	hexagon screw with full dog point		2 spare parts	AM20x120 mit Zapfen	din561	8.8-A2F	122593000	
6750			anchor bar and foot plates for motor							
6751		1	anchor bar motor				4000808026		Customer	
6752		1	foot plate motor				4000808027		2000051492	
6753		5	tee-head bolt with square neck		1 spare part	M36x240	din7992	5.6-A2F	2000018821	
6754		5	hexagon nut		1 spare part	M36	din-en-iso4032	5-A2F	119140000	
6755		5	disk		1 spare part	36	din-en-iso7090	St,zincd	122945000	
6756		5	tee-head bolt with square neck		1 spare part	M42x1000	din7992	5.6-A2F	180001000	
6757		10	hexagon nut		2 spare parts	M42	din-en-iso4032	5-A2F	179992000	
6758		10	disk		2 spare parts	42	din-en-iso7090	St,zincd	121926000	
6759		40	shim			0,25x220x350	4sg-3761	S235JR	878373000	
6760		20	shim			1,0x220x350	4sg-3761	S235JR	878374000	
6761		10	shim			2,0x220x350	4sg-3761	S235JR	878375000	
6762		10	hexagon screw with full dog point		2 spare parts	AM20x120 mit Zapfen	din561	8.8-A2F	122593000	
6770			fixation silencer							
6771		1	Anchor bar silencer				4000817955		Customer	
6772		5	Tee-head bolt with square neck		1 spare part	M56x1100	din7992	5.6-A2F	2000051130	
6773		5	Hexagon nut		1 spare part	M56		5-A2F	179993000	



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6774		5	Disk		1 spare part		56				St,zincd	
7000												
7000			oil units									
7001		1	oil unit for blower									
7500		1	oil unit for gear box								2000049202	
											2000050080	
8000												
8000			component parts conveyor line									
8001		1	silencer				DN900				Customer	
8010		1	pipe connection piece		diffusor for silencer		DS/DN900				2000051497	
8015		1	starting strainer				DN900/PN10		4000388630		stainless steel	
8050		3	sliding sleeve				DN900, Rohr 914,4		Building type		steel, zincd	
8100			piping parts conveyor line									
8101		1	pipe connection piece				DN900x326				St	
8102		1	pipe connection piece				DN900x326				St	
8103		1	pipe connection piece				DN900x1554				St	
8104		1	pipe connection piece				DN900x580				St	
8105		1	pipe connection piece				DN900x326				St	
8106		1	pipe connection piece				DN900x326		4000808035		St	
8107		2	welding neck flange		counterflange		DN900/PN10/Typ11		din-en1092-1		P250GH	
											179996000	



