

Threaded rod M24	10.000+	1	pc	£13,61		13,61 GBP	13,61 GBP
Compression spring 460mm Ø68mm	10.000+	3	pc	£72,02		216,06 GBP	216,06 GBP
Change - Bailing Channel							
Bailing channel	1.000-3.000	1	pc	£2.854,74		2.854,74 GBP	2.854,74 GBP
O-Ring 615 x 8 NBR	1.000-3.000	1	pc	£40,31		40,31 GBP	40,31 GBP
Flange sealing 510 x 435 x 15	1.000-3.000	1	pc	£39,26		39,26 GBP	39,26 GBP
Maintenance Tools							
Multi-Tool		1	pc	£248,11	248,11 GBP		248,11 GBP
CHP (MAN 14:1)							
maintenance parts	Yados						
for 1 year (approx. 8000 operation hours)		1	pc	£4.230,00	4.230,00 GBP		4.230,00 GBP
spark plug sealing ring		48	pc				
spark plugs		24	pc				
spark plugs ignition cable		24	pc				
oil filter with sealing ring		8	pc				
air filter small		8	pc				
air filter big		1	pc				
biogas filter with gasket		1	pc				
Biogas upgrading 600m³/h							
spare part package	Pentair						
		1	pc	£27.500,00	27.500,00 GBP		27.500,00 GBP
			pc				
			pc				
			pc				
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			pc				
			pc				
Agiator / Mixers							
Hydromixer Typ A/B	Steverding						
Spare Parts							
Planetary gear unit 15kW ieff=100		1	pc	£3.298,45		3.298,45 GBP	3.298,45 GBP
e-Engine 6 polig 15kW IE3		1	pc	£2.206,88		2.206,88 GBP	2.206,88 GBP
Fixed Bearing RCJ120		1	pc	£569,52		569,52 GBP	569,52 GBP
Sealing unit		1	pc	£2.134,50		2.134,50 GBP	2.134,50 GBP
Sealing unit A3		1	pc	£2.788,26		2.788,26 GBP	2.788,26 GBP
Operating ressource							
Gear unit oil Polyalphaolefine-Synthetic oil PAO ISO VG 320 4,5L		12	pc	£70,60		847,16 GBP	847,16 GBP
Avialith 2 EP 400g cartridge		3	pc	£7,00		21,00 GBP	21,00 GBP
RIVOLTA S.K.D 3802 400g cartridge biological multiple useable		6	pc	£29,13		174,77 GBP	174,77 GBP
RIVOLTA S.K.M. 46 10L Canister full synthetic, high performance oil		1	pc	£344,08		344,08 GBP	344,08 GBP
Maintenance tools (buy)							
	Steverding						
Hydraulic cylinder		1	pc	£705,96		705,96 GBP	705,96 GBP
Hydraulic aggregate manuell		1	pc	£925,46		925,46 GBP	925,46 GBP
Leveling board		1	pc	£142,38		142,38 GBP	142,38 GBP
leveling screw M33		4	pc	£177,97		177,97 GBP	711,90 GBP
Screw tap M33 with extansion		1	pc	£177,97		177,97 GBP	177,97 GBP
Extractor f. sealing		1	pc	£166,11		166,11 GBP	166,11 GBP
Extractor f. mixing shaft		1	pc	£161,36		161,36 GBP	161,36 GBP
Applicator f. sealing		1	pc	£110,34		110,34 GBP	110,34 GBP
Wood case w. wheels		1	pc	£1.637,36		1.637,36 GBP	1.637,36 GBP
Automatisation parts							
Electrical Cabinet	Keil						
VIPA System 200, analog input SM 231		2	pc	£215,82	431,65 GBP		431,65 GBP
VIPA System 200, analog output SM 232		2	pc	£215,82	431,65 GBP		431,65 GBP
VIPA System 200, digital input SM 221		2	pc	£61,08	122,16 GBP		122,16 GBP
VIPA System 200, digital output SM 222		2	pc	£71,26	142,52 GBP		142,52 GBP
VIPA System 200, profibus DP Slave IM253DP		2	pc	£151,68	303,36 GBP		303,36 GBP
VIPA System 200, Sys300S_CPU315SB/DPM Speed 7		1	pc	£1.199,33	1.199,33 GBP		1.199,33 GBP

preconfigured personal computer		1	pc	£1.423,79		1.423,79 GBP		1.423,79 GBP
Ethernet switch 5port unmanaged		1	pc	£79,38		79,38 GBP		79,38 GBP
VPN Switch brand ewon		1	pc	£689,12		689,12 GBP		689,12 GBP
Profibus plug brand SIEMENS		2	pc	£45,25	90,51 GBP			90,51 GBP
Electrical parts								
Electrical cabinet								
	Keil							
digital output for für NEMO 96/		1	pc	£33,84			33,84 GBP	33,84 GBP
analog output for NEMO 96/		1	pc	£225,49			225,49 GBP	225,49 GBP
power Network monitor Nemo 96/HD		1	pc	£309,51			309,51 GBP	309,51 GBP
battery modul 3,2Ah PVA24/3,2Ah		1	pc	£141,15		141,15 GBP		141,15 GBP
power supply 230VAC / 24VDC 5A PVSE230/24-5		1	pc	£157,76		157,76 GBP		157,76 GBP
power supply 400VAC / 24VDC 10A PVSE400/24-10		1	pc	£208,48		208,48 GBP		208,48 GBP
power supply 400VAC / 24VDC 20A PVSE400/24-20		1	pc	£215,61		215,61 GBP		215,61 GBP
NH-fuse gL/gG 50A Gr.000 3NA3820		3	pc	£2,24	6,73 GBP			6,73 GBP
NH-fuse gL/gG 63A Gr.000 3NA3822		3	pc	£2,24	6,73 GBP			6,73 GBP
NH-fuse gL/gG 80A Gr.000 3NA3824		3	pc	£2,24	6,73 GBP			6,73 GBP
NH-fuse gL/gG 100A Gr.000 3NA3830		3	pc	£2,24	6,73 GBP			6,73 GBP
NH-fuse gL/gG 125A Gr.00 3NA3832		3	pc	£3,44	10,32 GBP			10,32 GBP
NH-fuse gL/gG 125A Gr.000 3NA3832-8		3	pc	£12,59	37,77 GBP			37,77 GBP
power contactor 230VAC 15kW Bgr.S0 1Ö+1S 3RT2027-1AP00		1	pc	£82,38		82,38 GBP		82,38 GBP
power contactor 230VAC 18,5kW Bgr.S0 1Ö+1S 3RT2028-1AP00		1	pc	£92,25		92,25 GBP		92,25 GBP
power contactor 230VAC 18,5kW Bgr.S2 1Ö+1S 3RT2035-1AP00		1	pc	£98,87		98,87 GBP		98,87 GBP
power contactor 230VAC 22kW Bgr.S2 3RT1036-1AP00		1	pc	£125,74		125,74 GBP		125,74 GBP
power contactor 230VAC 37kW Bgr.S3 3RT1045-1AP00		1	pc	£208,79		208,79 GBP		208,79 GBP
power contactor 24VDC 4kW Bgr.S00 1S 3RT2016-1BB41		1	pc	£29,00		29,00 GBP		29,00 GBP
power contactor 24VDC 4kW Bgr.S00 1Ö 3RT2016-1BB42		1	pc	£28,86		28,86 GBP		28,86 GBP
power switchgear 2,8-4A Bgr.S00 3RV2011-1EA10		1	pc	£47,28		47,28 GBP		47,28 GBP
power switchgear 18-25A Bgr.S0 3RV2021-4DA10		1	pc	£71,40		71,40 GBP		71,40 GBP
power switchgear 28-36A Bgr.S2 3RV2031-4PA10		1	pc	£134,71		134,71 GBP		134,71 GBP
softstarter 24VDC 11kW Bgr.S0 3RW4026-1BB04		1	pc	£299,61		299,61 GBP		299,61 GBP
softstarter 24VDC 18,5kW Bgr.S0 3RW4028-1BB04		1	pc	£426,67	426,67 GBP			426,67 GBP
softstarter 24VDC 22kW Bgr.S2 3RW4036-1BB04		1	pc	£506,49		506,49 GBP		506,49 GBP
softstarter 24VDC 37kW Bgr.S2 3RW4038-1BB04		1	pc	£698,96		698,96 GBP		698,96 GBP
additional contactor for 5SY 1NO+1NC 5ST3010		1	pc	£9,97		9,97 GBP		9,97 GBP
low voltage control >N< AC 230/400V 1W 5TT3400		1	pc	£70,71		70,71 GBP		70,71 GBP
over voltage control 4-pol. 230/400V DV M TNS 255 FM, 951405		1	pc	£548,04		548,04 GBP		548,04 GBP
thermal overload control 230VAC / 50/60Hz MK 9163N.12/110 ATEX		1	pc	£57,31	57,31 GBP			57,31 GBP
emergency modul 24V AC/DC 3NO+1NC		1	pc	£144,35	144,35 GBP			144,35 GBP
relay 24V DC 1W 6A 38.51.0.024.0050 VE=10		1	pc	£6,47	6,47 GBP			6,47 GBP
relay 24V DC 2W 8A 38.52.7.024.0050 VE=10		1	pc	£8,42	8,42 GBP			8,42 GBP
current converter 35mm 25-225A / 4-20mA / 10-34VDC TT1AB252A		1	pc	£137,81	137,81 GBP			137,81 GBP
fuse 5x20mm flink F 40mA, 520.603 VE=10		1	pc	£0,83	0,83 GBP			0,83 GBP
fuse 5x20mm mittelträge M 400mA, 521.013 VE=10		1	pc	£0,12	0,12 GBP			0,12 GBP
Lenze frequency converter 5,5kW i550-C5,5/400-3 400V		1	pc	£992,00		992,00 GBP		992,00 GBP
Lenze frequency converter 18,5kW i550-C18,5/400-3 400V		1	pc	£1.432,19		1.432,19 GBP		1.432,19 GBP
Lenze frequency converter 22kW i550-C22/400-3 400V		1	pc	£2.153,00		2.153,00 GBP		2.153,00 GBP

Measurements							
Flow meter substrate Promag DN 150 - 6"	E&H	1	pc	£1.888,90	1.888,90 GBP		1.888,90 GBP
Level measurement Prosonic M FMU 40, +Display, 5m		1	pc	£677,49	677,49 GBP		677,49 GBP
Pressure transmitter gas Cerabar T PMC131 -20...+20mbar		2	pc	£194,58	389,17 GBP		778,34 GBP
Pressure transmitter water Cerabar T PMC131 heating system, 0...4bar		1	pc	£132,89	132,89 GBP		132,89 GBP
Pressure transmitter water Cerabar T PMC131 heating system, 0...10bar		1	pc	£156,62	156,62 GBP		156,62 GBP
Pressure transmitter substrate Cerabar T PMP131 level tank 0...1bar		1	pc	£150,68	150,68 GBP		150,68 GBP
Pressure transmitter substrate Cerabar T PMP131 level tank 0...1bar (EX)		1	pc	£293,06	293,06 GBP		293,06 GBP
Temperature transmitter TSM187 0-100°C 400mm		1	pc	£137,63	137,00 GBP		137,63 GBP
Temperature transmitter TR10 0-100°C 400mm, Ex		1	pc	£372,33	63,00 GBP		372,33 GBP
Level sensor Liquipoint T FTW31 - overflow transmitter (Ex)		1	pc	£92,55	92,55 GBP		92,55 GBP
Temperature transmitter Easytemp length100mm 0-100°C		1	pc	£119,84	119,84 GBP		119,84 GBP
Conductive point level switch; Nivotester FTW325		1	pc	£131,70	131,70 GBP		131,70 GBP
Active barrier loop; RN221N		1	pc	£129,33	129,33 GBP		129,33 GBP
Universal process transmitter with control unit; RMA42		1	pc	£281,20	281,20 GBP		281,20 GBP
Active barrier loop; KCD2-STC-Ex1	Sonepar	1	pc	£207,64	207,64 GBP		207,64 GBP
Float Switch		2	pc	£45,28	90,55 GBP		181,11 GBP
Valves							
Substrate valves							
	Ebro						
Valve DN80 hand wheel		1	pc	£198,62	198,62 GBP		198,62 GBP
Valve DN150 pneumatic drive		1	pc	£474,60	474,60 GBP		474,60 GBP
Valve DN150 hand wheel		1	pc	£294,72		294,72 GBP	294,72 GBP
Valve DN200 WB12 manual lever		1	pc	£661,59		661,59 GBP	661,59 GBP
Valve DN200 pneumatic drive		1	pc	£629,55		629,55 GBP	629,55 GBP
Valve DN200 hand wheel		1	pc	£384,42		384,42 GBP	384,42 GBP
Valve DN250 pneumatic drive		1	pc	£781,66		781,66 GBP	781,66 GBP
Phymatic drive EC125.1-165		1	pc	£284,76	284,76 GBP		284,76 GBP
Gas accumulator roof							
	Karl Klein						
Air Blower		1	pc	£517,77	517,77 GBP		517,77 GBP
Air blower DNG4-14/S							
Gas analyzer							
	Union Instruments						
INCA 1000/3000/4000							
Filter set f. INCA 1000/3000/4000	annually	1	pc	£64,73		64,73 GBP	64,73 GBP
Water protection 1/8" NPT	annually	2	pc	£79,61		159,22 GBP	159,22 GBP
Pump group INCA air (P1-V1)		1	pc	£365,00		365,00 GBP	365,00 GBP
EC-Sensor H2S (will be delivered by the responsible technician)	annually	2	pc	£460,00		920,00 GBP	920,00 GBP
EC-Sensor O2 (will be delivered by the responsible technician)	annually	2	pc	£477,00		954,00 GBP	954,00 GBP
Gas flare							
UniFlare							
UV-S sensor		1	pc	£557,65	557,65 GBP		557,65 GBP
Burner control unit BCU		1	pc	£1.447,52		1.447,52 GBP	1.447,52 GBP
Ignition transformer 7,5-12/100W		1	pc	£468,66		468,66 GBP	468,66 GBP
spark plug, connector & cap >>> standard		1	pc	£183,91	183,91 GBP		183,91 GBP
Motorized Valve		1	pc	£7.712,20		7.712,20 GBP	7.712,20 GBP
spark plug cable >>> l=3000mm		1	pc	£53,39	53,39 GBP		53,39 GBP

ALL COMPONENTS AND QUANTITY ARE SUBJECT TO CHANGE BY FINAL DESIGN!

15.078,19 GBP 87.245,74 GBP 41.543,58 GBP 145.191,13 GBP