Amaprop 1

No.	Qty.	Object	Unit Price EURO	Amount EURO
			Carry over:	

Submersible Mixer

The machines are to be designed as impermeable to press-water, block units for wet installation in transportable and stationary design.

Should the required not comply with the specified number of units, then the number of chosen units must be indicated!
Acc. to choice of bidder: ..... pcs.

The arrangement and type of installation of the mixers must be shown in the offer.

Tank dimensions: See drawing

Make: .....
Type: .....

Drive:
Three-phase, asynchronous motor, dry, sealed to prevent ingress of water, acc. to VDE regulations [Assoc. of German Electro-Technicians].

Type of enclosure:	IP 68 acc. to DIN VDE 0470		
	IP 58 acc. to EN 60034 Part 5		
Explos. prot. design:	.....	to VDE 0171/5.78.	
Thermal class:	F	155	°C
Voltage/frequency:	400 V	50	Hz
Nom. motor power P_2:	.....		kW
Power consumpt. P_1:	.....		kW
P_1 in duty point:	.....		kW
Motor speed:	.....		1/min
Starting type:	Direct o.l.	Star/Delta	
Operating mode:	S1		
Material:	.....		

Motor Control:
Full motor protection due to monitoring of winding temperature (PTC resistors or bimetal switch) and moisture protection sensor in motor space.
Temperature control: .....

Cable:
Rubber-sheathed cable with control and power cables
Cable length: 10 m, with free cable ends.
Design .....

Cable Entry:
Rubber-sheathed cable, absolutely watertight cable entry, cores embedded in cast resin, with integrated plug-type cable connection as detachable connection to power and control cables in the motor space.

Bearing:
Maintenance-free rolling element bearing, grease-lubricated for life. Calculated service life > 100.000 h

Amaprop 1

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Gear Unit:

Designed as dimensionally stable block housing. The bearing is integrated in the block housing. Bearing and spur gears (helical gear) are made of highly wear-resistant, alloyed steels, smooth running, with oil filling done at the factory.

Gear design:	
Oil quantity:	l
Oil type:	ISO VG 320
Material - casing:	JL 1040 (GG-25)
Material – drive shaft:	1.4122

Seal Housing:

Flanged directly to the drive unit, with separate oil and leakage chamber. Oil chamber filled with ecologically harmless oil at the factory. The leakage chamber prepared to accept leak monitoring device.

Oil quantity:	1,9 l
Oil type:	Merkur Pharma 40 or equivalent
Material:	JL 1040 (GG-25)

Seals:

Dynamic seals (shaft seals)

Medium mixed – oil chamber:	mechanical seal
Material:	SIC / SiC
Oil chamber – Leakage ch.:	mechanical seal
Material:	SiC / SiC
Leakage chamber - gears:	O-Ring
Material:	Viton
Gears – motor:	O-Ring
Material:	Viton

Static secondary seals (casing seals)

Design:	O-ring
Material:	Viton

Mixing Element:

Propeller with fibre-repellent, self-cleaning blades with incidence edge curved backwards.

Design:	single part with metal hub core
No. of propeller blades:	2 ea.
Propeller diameter:	mm
Propeller speed:	1/min
Material:	glass fibre reinforced epoxy resin

Sliding Frame:

Torsion-resistant construction, to guide the submersible motor mixer along the guide rail of the lowering equipment, having a plastic lining (galvanic separation) which only allows contact between the guide rail and the slideway lining of the sliding frame.

Dimension of guide rail :	100 x 100 mm
Material slideway lining:	PA 66

Mounting Elements:

Bolts, nuts, and accessories

Material:	A4

Amaprop 1

No.	Qty.	Object	Unit Price EURO	Amount EURO
			Carry over	
		Factory Painting: GG - parts Sand blasting: SA 2,5 1 x primer: Iron oxide (dipped) 35 up to 40 µm 1 x top coat: 2 comp. epoxy resin approx. 70 µm **Maintenance:** Maintenance expenditure ..... hours Maintenance interval: ..... hours Remarks:		
			Total AmountEURO:	

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