

solar rollcovers for swimming-pools

OASE

[www.oase.be](http://www.oase.be)

OASE nv  
Torhoutsesteenweg 66  
B-8210 ZEDELGEM  
Belgium  
Tel: ++32(0) 50.20.93.08  
Fax: ++32(0) 50.20.86.54  
Email: [info@oase.be](mailto:info@oase.be)



*economical... comfortable... safe...*



## ECONOMICAL:

- heating-costs – 80 %
- less evaporation
- water consumption and chemical products – 60 %
- less costs of air-conditioning
- less maintenance and cleaning costs, fewer leaves, branches, pollution...
- less filtration costs
- reduces the amount of algae in the water

## SAFE

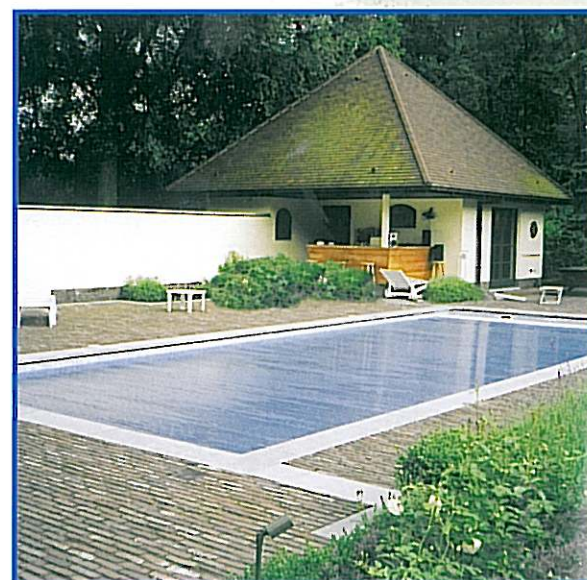
- in combination with SS handrails or a specially constructed shelf below the cover there is safety against drowning
- electrocution is impossible: low voltage
- the opening and closing mechanism is quiet and efficient and can only be worked when the special key is in the correct position

## COMFORTABLE

- remote control
- selfcleaning of the cover
- no odour of chemical products
- automatic stoppage of the cover
- aesthetical
- better hibernation and no dirt by stormy weather
- maintains the water temperature, especially at night
- works soundless
- prolongs the use of the swimming-pool

## EXECUTION

- Venetian shutter made of PVC profiles with closed chambers
- Colour
  - white, grey, blue, beige, translucent
  - solar:  
translucent with black underside to absorb and conduct the solar heat (verandah-effect), and to reduce the amount of algae
- possibilities:
  - suitable for new or existing pools
  - above or below ground
  - different installation options
  - an automatic control of the watermark with a mini/maxi switch
  - adaptable to different shape of swimming-pools





## Types of installation for below ground covers

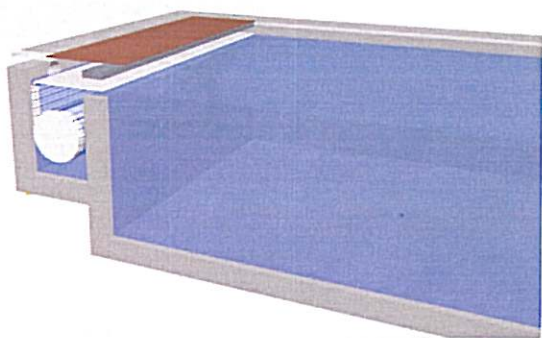


fig. 1/A installation in a cover pit behind the swimming pool

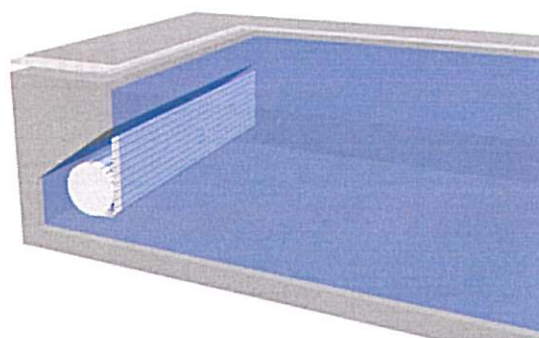


fig. 1/E installation of the cover in a recess in the wall of the pool

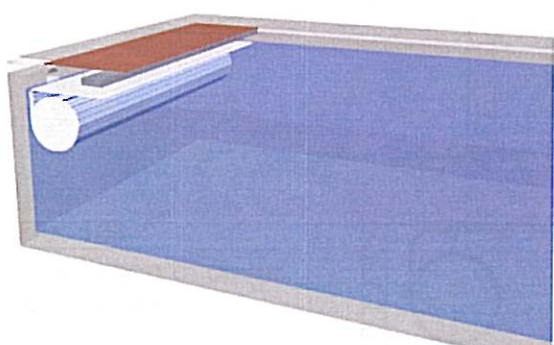


fig. 1/B installation of the cover inside the swimming pool

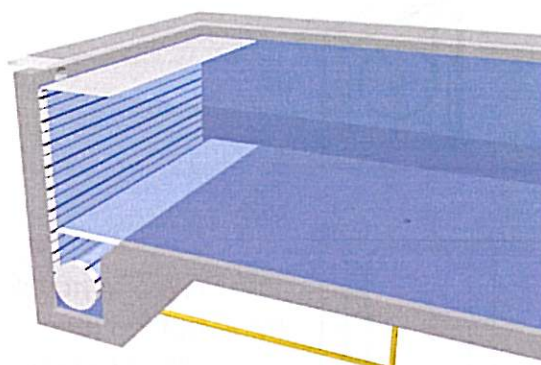


fig. 1/F: installation of the cover underneath the bottom of the pool with a removable lid

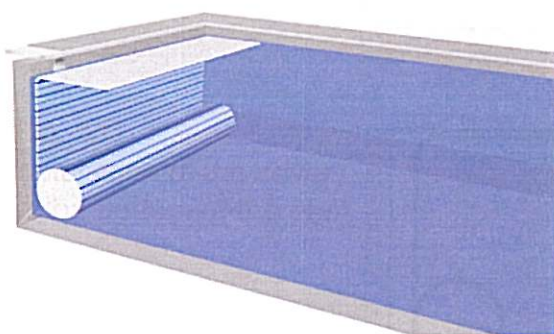


fig. 1/C installation of the cover in the bottom of the pool

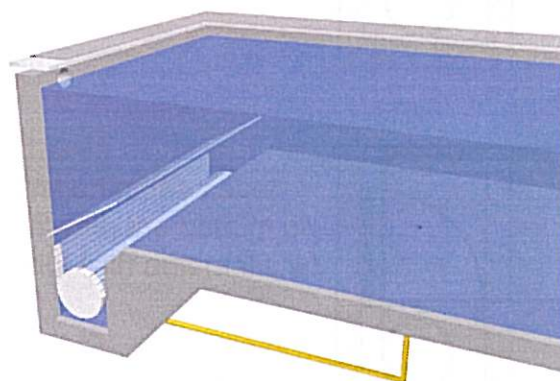


fig. 1/G: installation of the cover underneath the bottom of the pool with an automatic lid

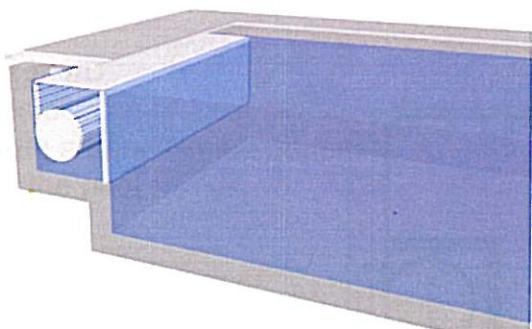


fig. 1/D installation of the cover in a cover housing

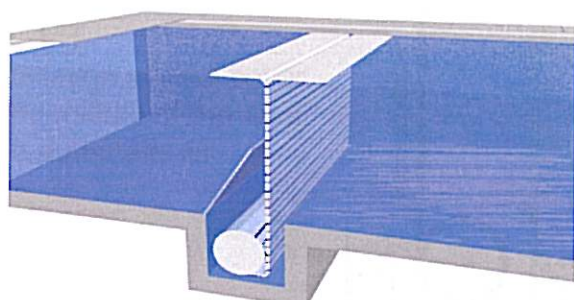


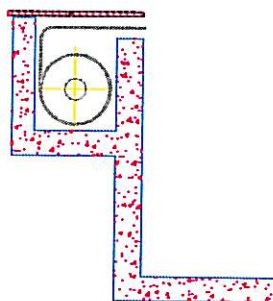
fig. 1/H installation of the pool cover in the middle of the pool with an automatic lid



## Below ground

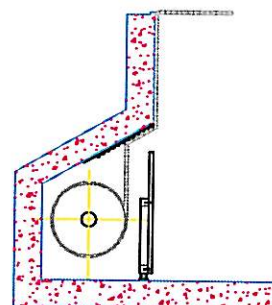
**Fig. 1/A**

Installation in a cover pit behind the pool



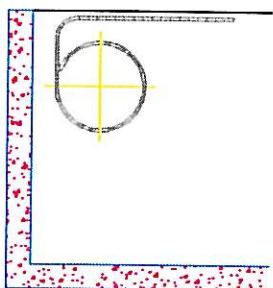
**Fig. 1/E**

Installation of cover in the wall of the pool



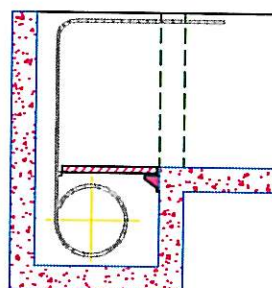
**Fig. 1/B**

Installation of cover in the pool



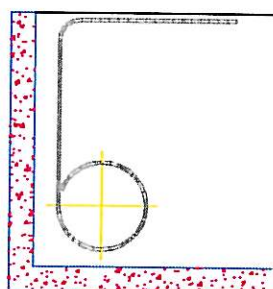
**Fig. 1/F**

Installation of cover underneath bottom of the pool with removable lid



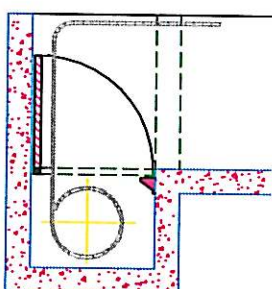
**Fig. 1/C**

Installation of the cover in the bottom of the pool



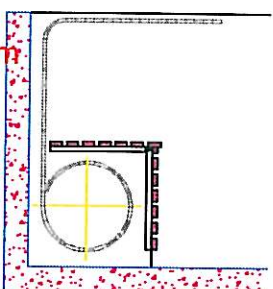
**Fig. 1/G**

Installation of the cover underneath the bottom of the pool with automatic lid



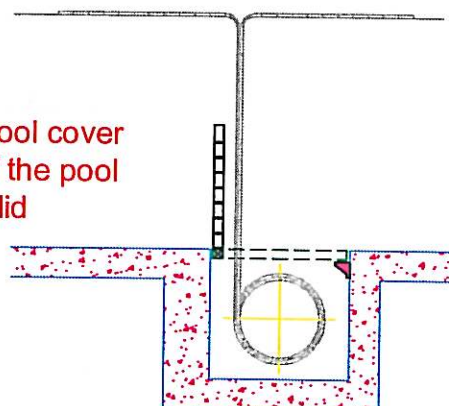
**Fig. 1/D**

Installation of a cover with a bench in the bottom of the pool



**Fig. 1/H**

Installation of pool cover in the middle of the pool with automatic lid



All drawings and explanations remain the property of oase and may not be copied nor used for any other purpose.

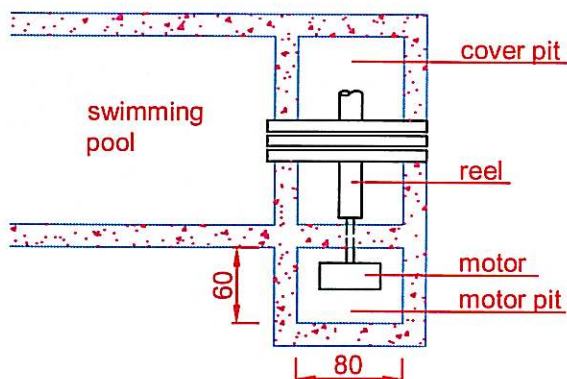




## Automatic below ground.

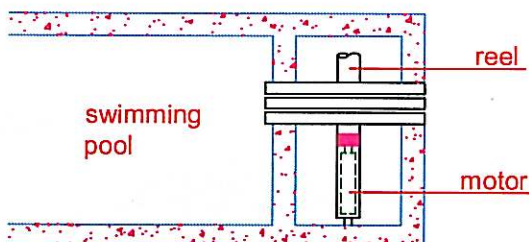
**Fig. 1**

Masonry motorbox.



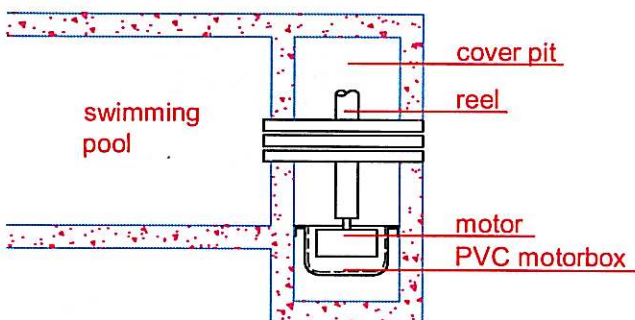
**Fig. 2**

System with motor in the reel.



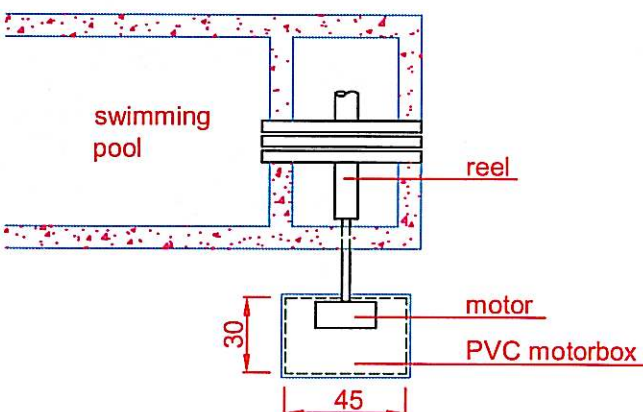
**Fig. 3**

PVC-motorbox hanging in the water.



**Fig. 4**

PVC-motorbox near the swimming pool.



This drawing stays property of oase nv and may not be copied nor been used for other purposes.

## Types of installation for above ground covers

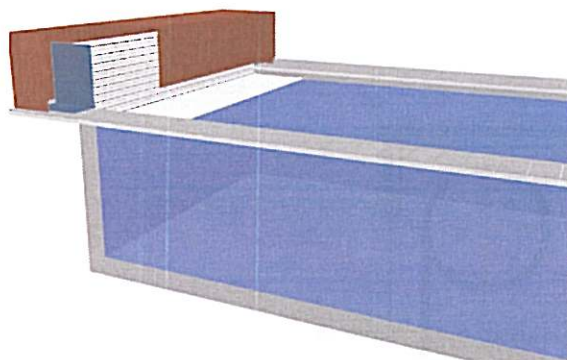


fig. 2/A: above ground cover with (or without) bench

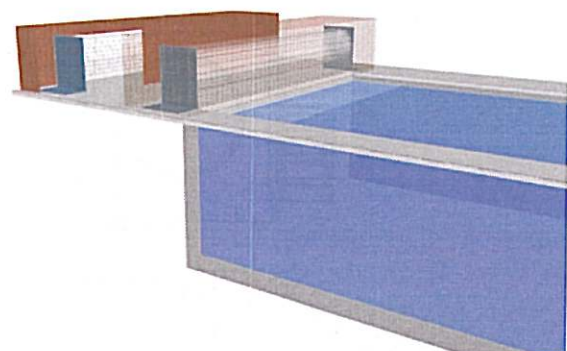


fig. 2/B: above ground cover with removable bench

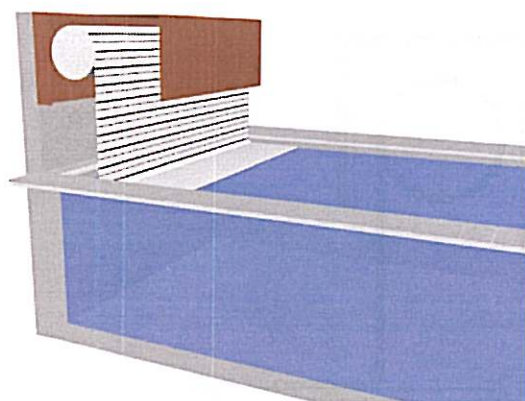


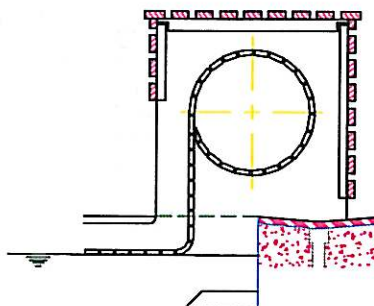
fig. 2/C above ground cover at height



## Above ground

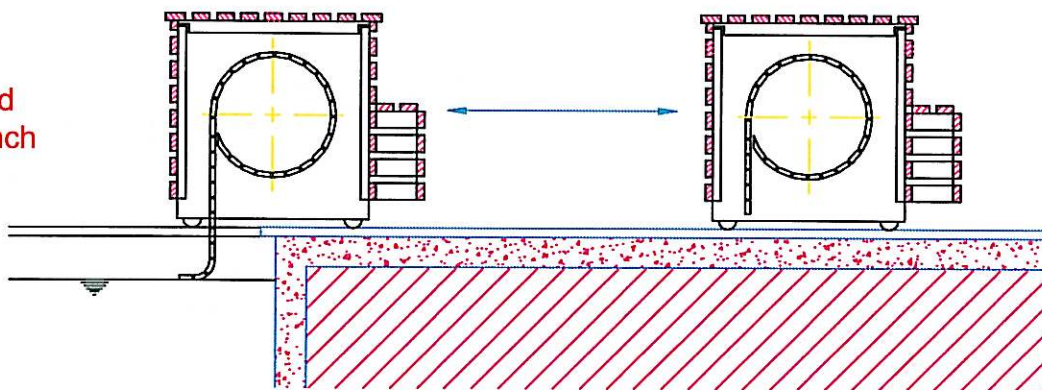
**Fig. 2/A**

Cover above ground  
with (or without) bench



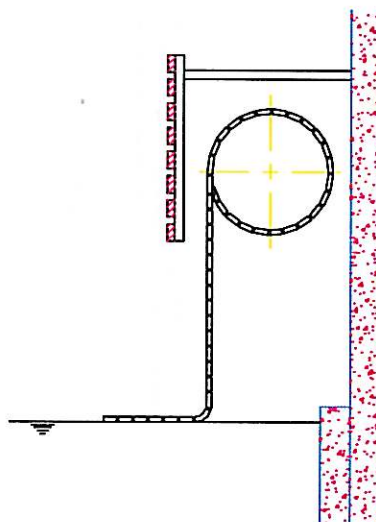
**Fig. 2/B**

Cover above ground  
with removable bench



**Fig. 2/C**

Cover above ground  
at height

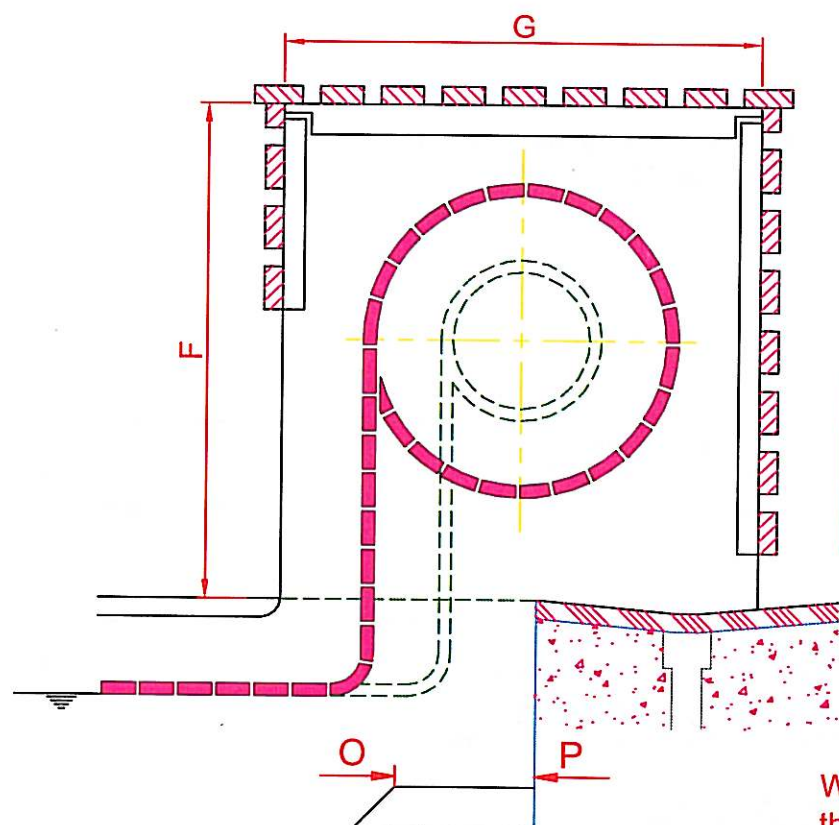


This drawing stays property of oase nv and may nor been copied nor been used for other purposes



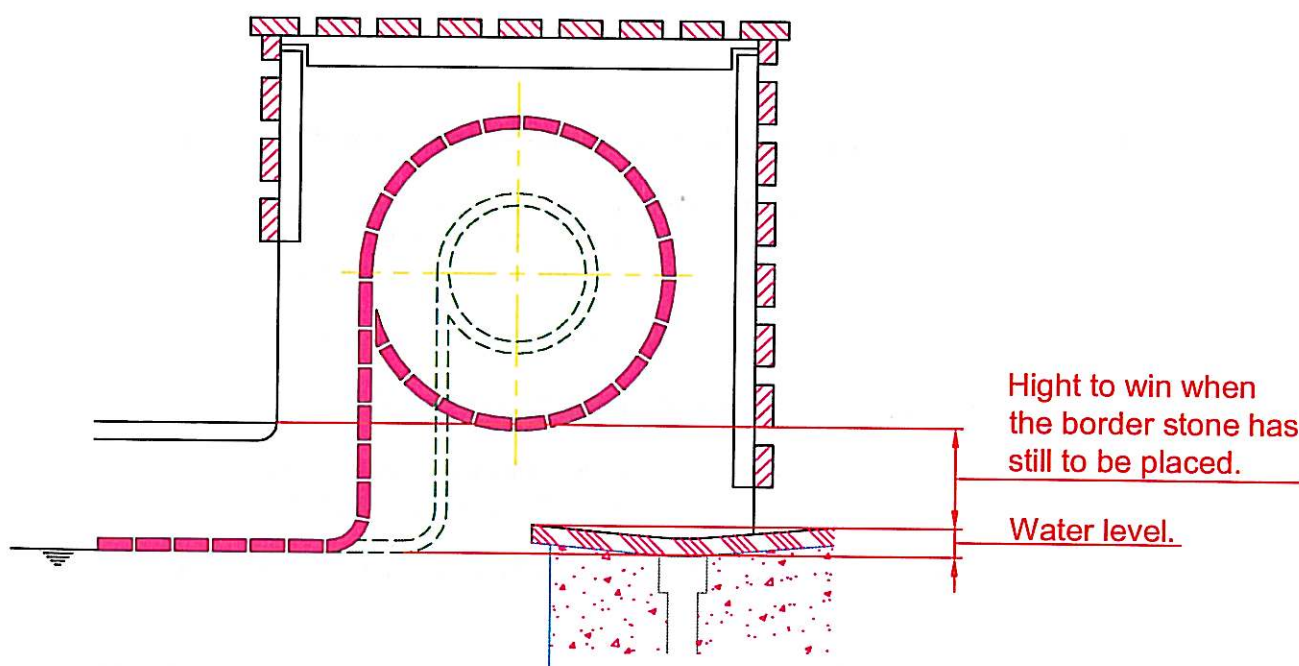


## Automatic above ground.



Lenght	F	G
8 m	560 mm	580 mm
10 m	590 mm	610 mm
12 m	620 mm	640 mm
15 m	710 mm	730 mm
20 m	780 mm	800 mm
25 m	870 mm	890 mm

When the border stone overreaches the edge of the swimming-pool you have to carve the distance "OP".



Hight to win when the border stone has still to be placed.

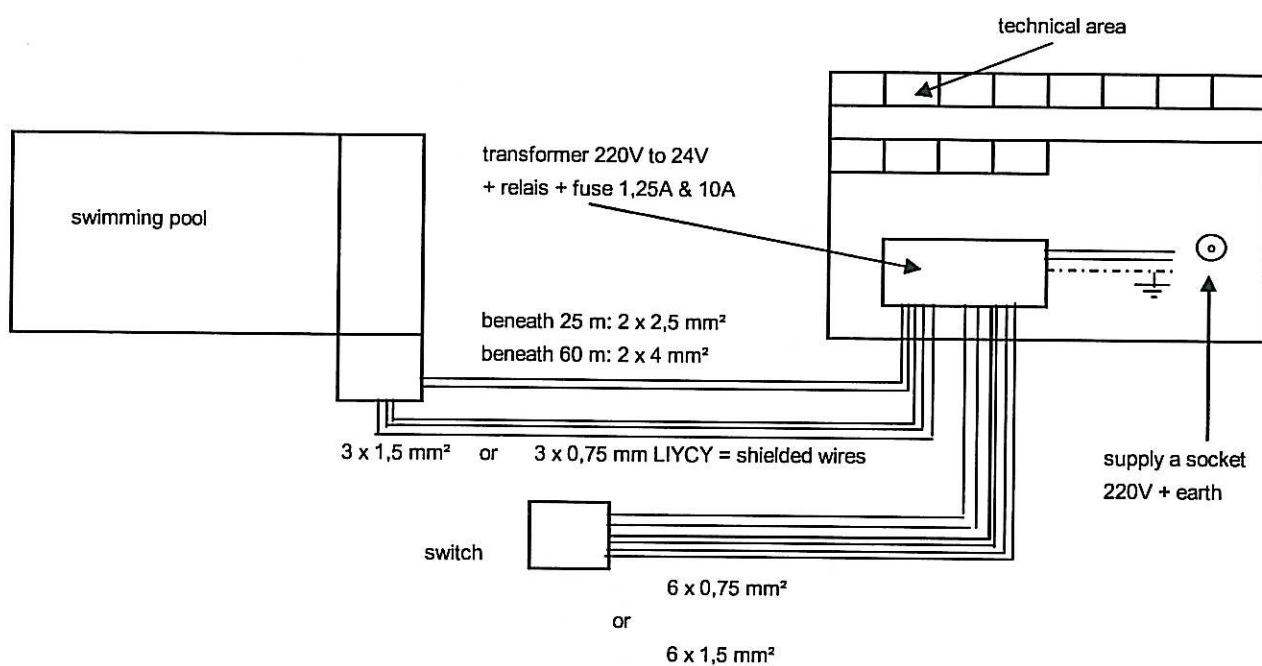
Water level.

This drawing stays property of oase nv and may nor been copied nor been used for other purposes.





**Electric diagram - monophase 24V - below and above ground  
Electronic limit switches**



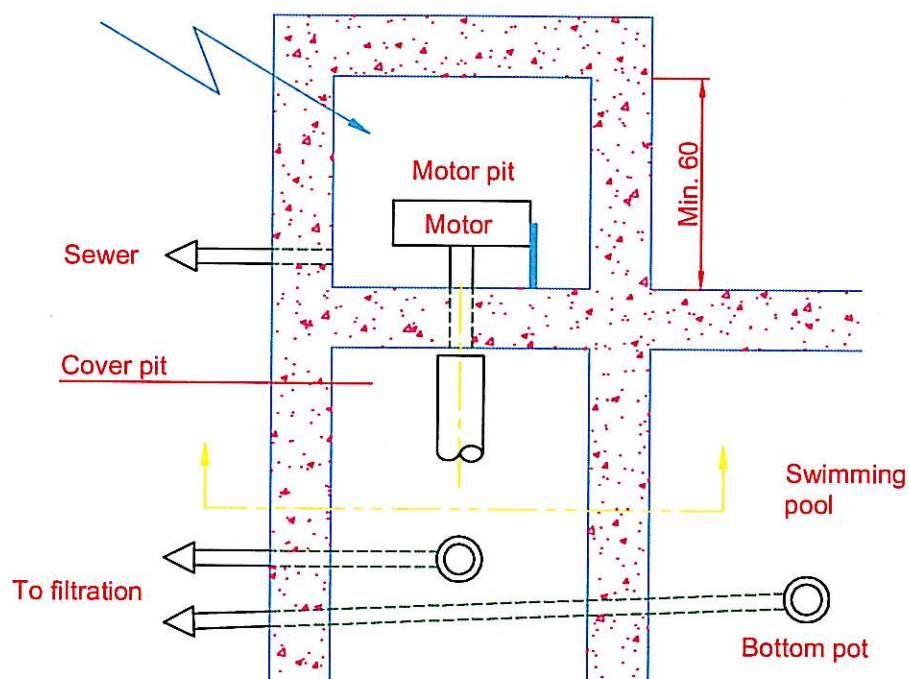
- \* The 3 x 0,75 mm<sup>2</sup> wires for set up of limit switches must be shielded wires LIYCY
- \* In case of three-phase you have 220 monophase between:
  - phase & neutral by three-phase 380V
  - 2 phases by three phase 220V
- \* Reserve electric cables are always desirable.
- \* Install the switch on such a way that the rollcover is visible when it opens or closes.
- \* In our control box you have a fuse of 1,25 A before the transformer and a fuse of 10 A after the transformer
- \* For big covers (over 90 m<sup>2</sup>) you ought to have at least 2 x 4 mm<sup>2</sup> wires

This drawing stays property of Oase and may not be copied nor been used for other purposes.  
engels / electric diagram 1

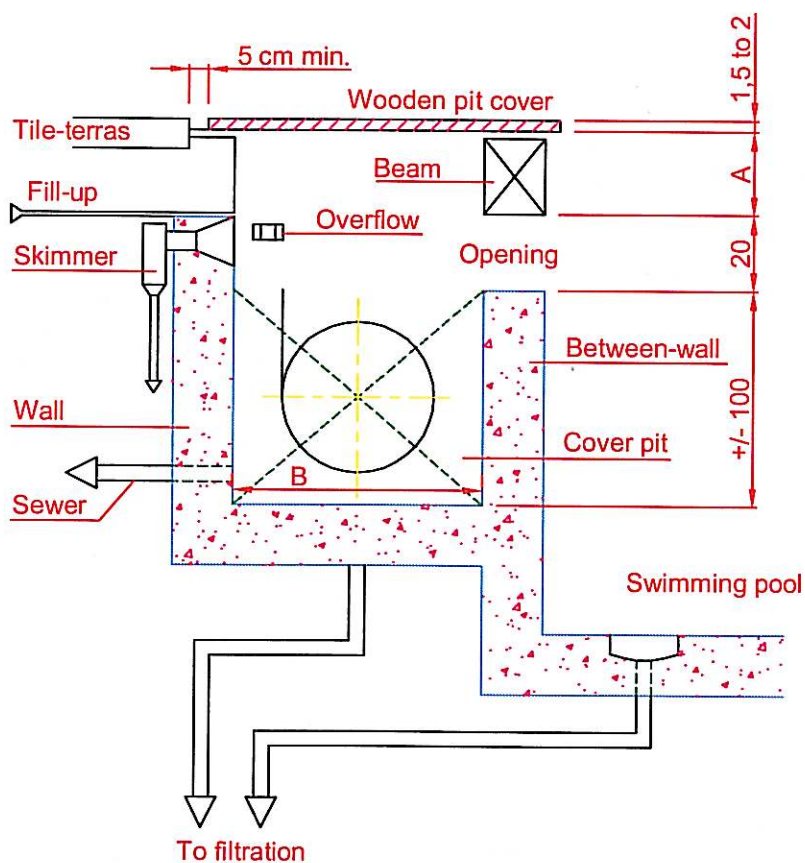




## Motor pit.



Breadth	A
4 m.	8 cm.
5 m.	10 cm.
6 m.	12 cm.



Length	B
12 m.	75 cm.
16 m.	80 cm.
22 m.	85 cm.

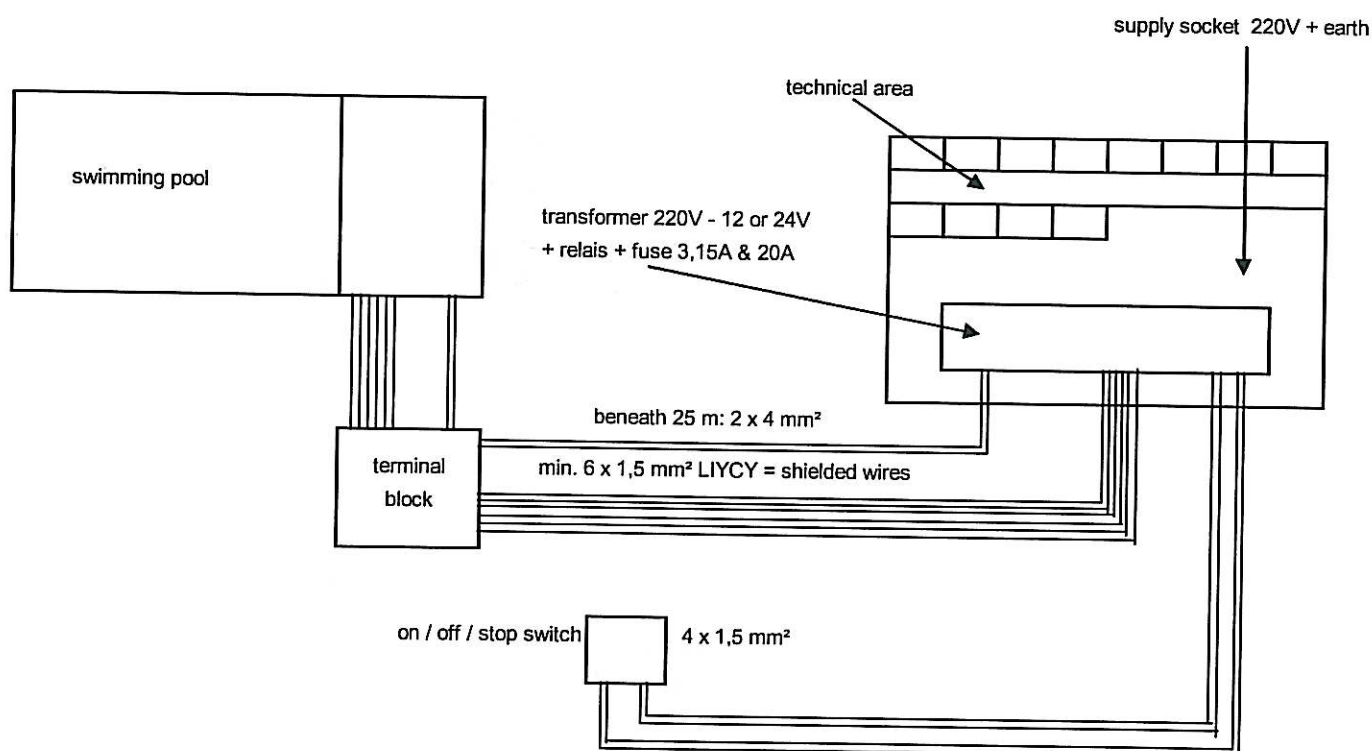
(The measurements are in cm.)

This drawing stays property of oase nv and may nor been copied nor been used for other purposes.





**Electric diagram - motor in the reel - Electronic limit switches**



The conduit for the two electric wires from the motor to the terminal block must be big enough and shouldn't have sharp bends

In case of repair, wires must be easily movable and the motor with it's wires ought to be dismountable

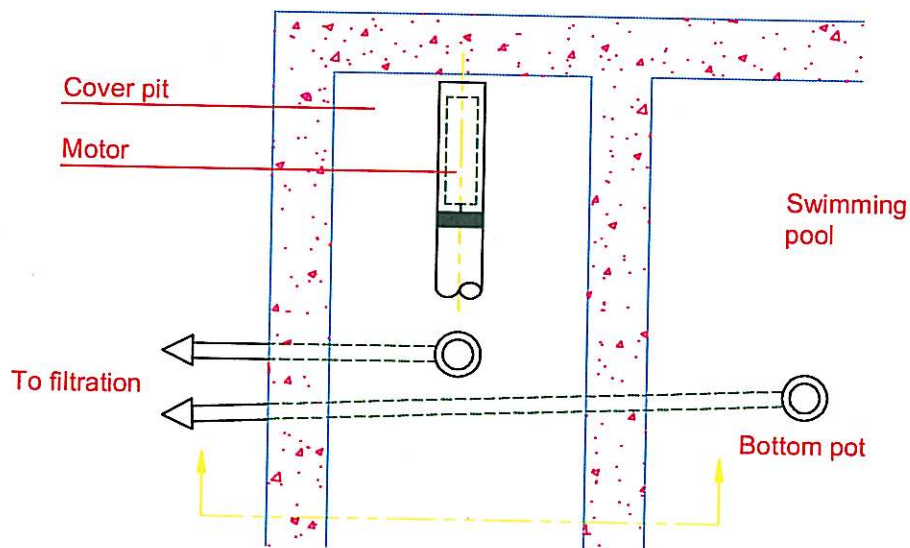
- \* The 6 x 1,5 mm<sup>2</sup> wires for set up of limit switches must be shielded wires LIYCY
- \* In case of three-phase you have 220 monophas between:
  - phase & neutral by three-phase 380V
  - 2 phases by three phase 220V
- \* Reserve electric cables are always desirable.
- \* Install the switch on such a way that the rollover is visible when it opens or closes.

This drawing stays property of Oase and may not be copied nor been used for other purposes.

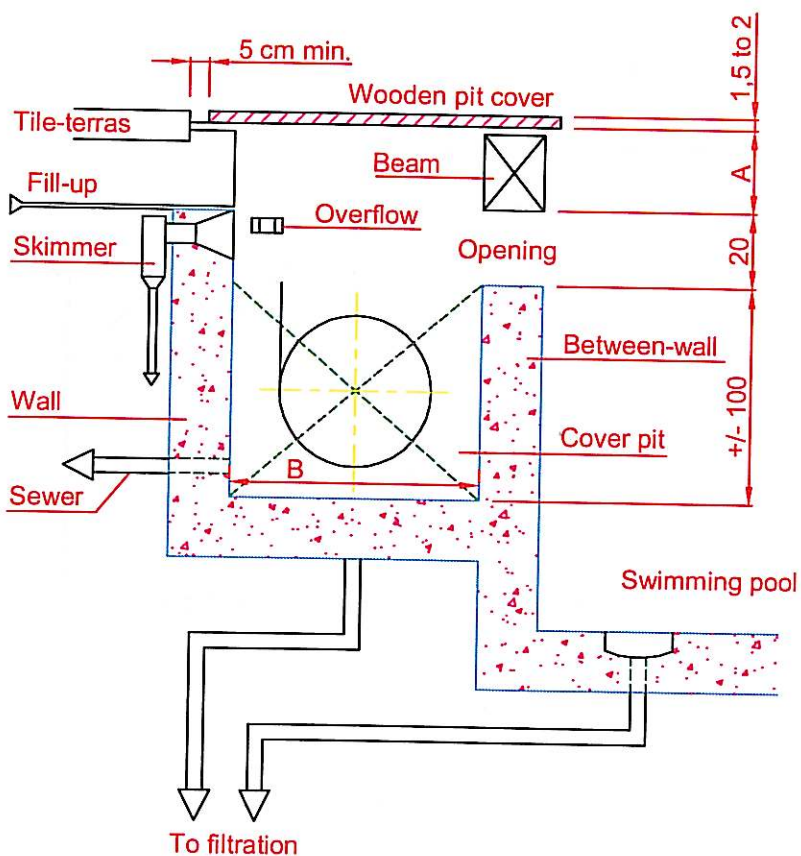




## Motor in reel.



Breadth	A
4 m.	8 cm.
5 m.	10 cm.
6 m.	12 cm.



Length	B
12 m.	75 cm.
16 m.	80 cm.
22 m.	85 cm.

(The measurements are in cm.)

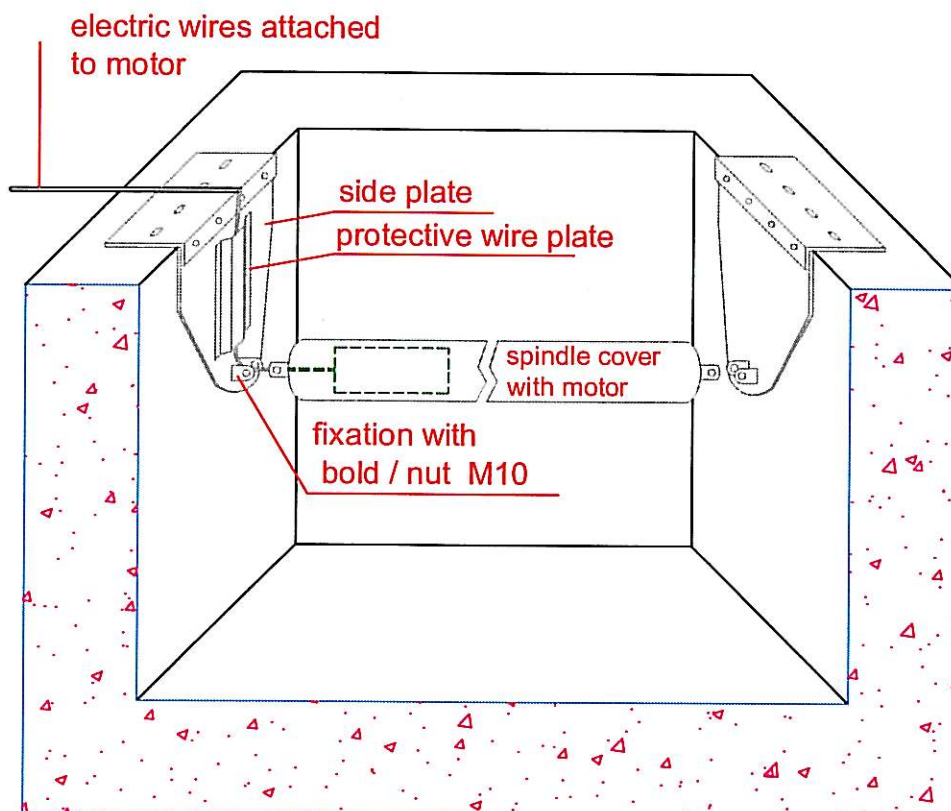
This drawing stays property of oase nv and may nor been copied nor been used for other purposes.



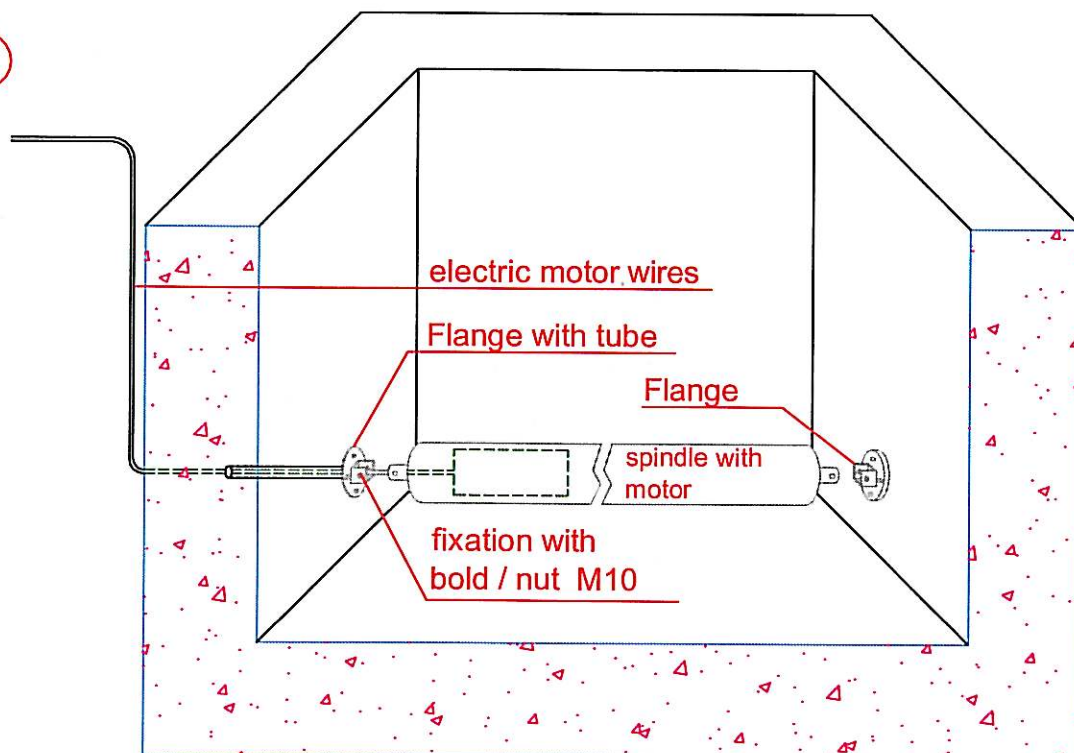


## ways of installing a motor in the reel system

①



②



This drawing stays property of oase nv and may nor been copied nor been used for other purposes.



## Safety against drowning.

Safety support provided  
by handrail.

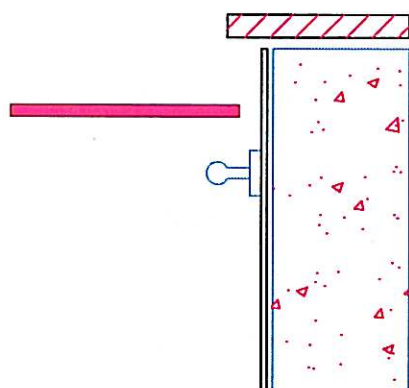


Fig. 1

Safety support provided  
by pool edge.

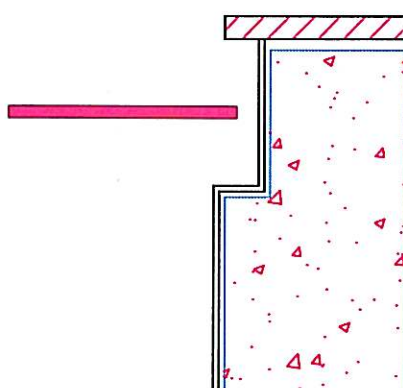


Fig. 2

Safety support provided  
by pool edge.

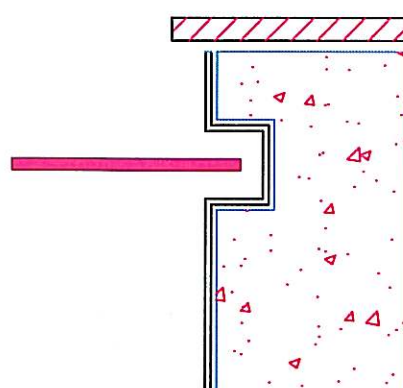


Fig. 3

The cover by itself is a thermal cover.

To give a degree of safety, this can only be achieved by fixing stainless steel handrail on specialist extended brackets to the pool perimeter (fig. 1), or to design in a ledge slightly below finished water level for the cover to float freely over same (fig. 2, fig. 3).

Manual locking bolt.

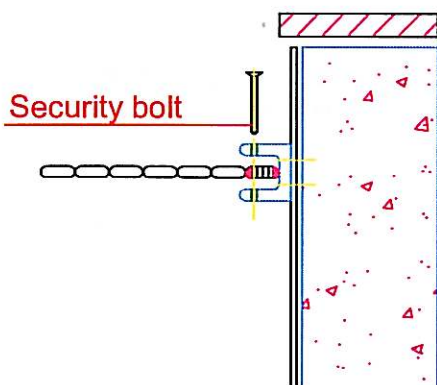


Fig. 4

This drawing stays property of oase nv and may nor been copied nor been used for other purposes.





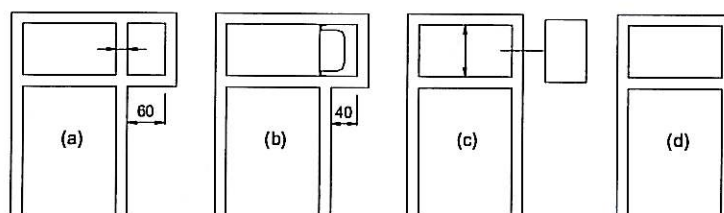
Customer: ..... Date: .....  
 ..... Project: .....  
 Delivery address: .....  
 .....

Measurements: .....M x .....M

Kind of swimming pool:	- Liner	<input type="radio"/>	Kind of cover:	- Only the slats	<input type="radio"/>
	- Concrete	<input type="radio"/>		- Above ground	<input type="radio"/>
	- Tiles	<input type="radio"/>		- Below ground	<input type="radio"/>
	- Fibreglass	<input type="radio"/>			
Electricity:	- Tree-phase 220V	<input type="radio"/>	Electrical:	- 12 V	<input type="radio"/>
	- Mono-phase 380V	<input type="radio"/>		- 24 V	<input type="radio"/>
Switch:	- Standard	<input type="radio"/>	Colours:- White nr1		<input type="radio"/>
	- Key	<input type="radio"/>	- Grey nr 13		<input type="radio"/>
	- Watertight against drops	<input type="radio"/>	- Bleu nr 5		<input type="radio"/>
			- Bleu nr 6		<input type="radio"/>
			- Green nr 7		<input type="radio"/>
Supplements	- Mini / maxi	<input type="radio"/>	- Transparant		<input type="radio"/>
	- Remote control	<input type="radio"/>	- Solar		<input type="radio"/>
Motors:	- Mechanical limit switch	<input type="radio"/>	Above ground:	- Bench timber	<input type="radio"/>
	- Electronic limit switch	<input type="radio"/>		- Bench PVC	<input type="radio"/>
SS handrails with PVC brackets		<input type="radio"/>	Below ground:	- Beam	<input type="radio"/>
				- Timber covering	<input type="radio"/>

Motorbox.

a. Wall builded.	<input type="radio"/>	: thickness of the wall: .....
b. PVC motorbox in the pool.	<input type="radio"/>	
c. PVC motorbox in the ground.	<input type="radio"/>	
d. Motor in the reel.	<input type="radio"/>	



Are there skimmers on the side of the pool? .....  
 By how many mm does the skimmer pertrude into the pool? .....

Note: All dimentions must  
 be taken at the water  
 level, in cm.  
 It's necessary to mention  
 all dimentions indicated  
 on the plan.

Signature:

