

Manual

AquaDriver

SkimClean*



*Device for automatic, hydro mechanical Cleaning in skim tubes from proteinskimmers

Safety Advice

Please, read this manual carefully and keep it in a safe place.

- The power supply unit from the SkimClean supplied may only be used within buildings where a correct connection to sockets with 110 – 230 volts voltage is provided. The power supplied must be protected from humidity and sufficient air reticulation is mandatory.
- The power supply unit may not be exposed to direct sun light or other sources of heat.
- Do not open the housing of the power supply unit. The unit is maintenance free.
- The socket power unit may only be used with the supplied connecting cable. Misuse may cause health problems or fire.
- The SkimClean may not be exposed to water or other fluids entirely, but must be kept dry as far as the drive motor is being affected.
- Beware of cables hanging or lying round – You may trip-.
- During all maintenance in and around the device (e.g. programming, cleaning etc.) it must be **disconnected from the power supply socket!** The device must be attached to a timer always. It will start running by itself according to the programmed time.
- The SkimClean may only be used running a 12VDC safety voltage (+ inside) and with the socket power supplied.
- Never leave children unattended when using electrical devices. Please, handle device carefully when children are around.
- Never use damaged electrical devices or devices with damaged power components such as cables or power units etc.
- Do not touch any moving parts.
- During maintenance to not let long hair or loose garments near the device.

Should the device be handed over to a third person this manual must be turned over as well.



Technical Data:

Skim Tube Diameter	80 – 160 mm
Supply Voltage:	12 V DC

Thank you for buying our product and your confidence in our products. You have purchased an innovative device for automatic, hydro-mechanic internal cleaning of skim tubes/stand pipes for protein skimmers.

Assembly:

Lift the original lid of your skimmer. Should you have chosen a model ready to fit the diameter of your skim tube (e. g. 200 mm /250) the assembly will be quite easy. Center the Skim Clean lid on your skim remover pot and fix this position with the lid setscrew (pos. 2). These screws should be tightened smoothly only. The wiper (pos. 6) must be adjusted to the inner diameter of your skim tube. The wiper lip must be mounted against the inside of the skim tube using little pressure in a way the silicon wiper starts bending slightly. Using the horizontal adjustment (pos. 4) set the wiping mechanic into the right position. Make sure that the humidification nozzle (pos. 3) cannot spatter over the edge of the skim pipe and adjust it below the edge. The filter of the suction tube (pos. 8) must be located below the water / skim level. It must be able to rotate freely during the cleaning process, in a way that humidification water for the cleaning nozzle may be sucked without interference.

After adjusting the mechanic and assembling the complete SkimClean on top of the skim remover pot start testing the function of the self-sucking rotation pump by using the plug power supply unit. After a few rotations the water should emerge from the rotating nozzle. Now turn on the skimmer and adjust the parameters water level, amount of air etc. according to the regulations of the skimmer manufacturer.

The AquaDriver SkimClean is now ready to go!



Important Advice:

During the cleaning process or right after a large amount of skim could be developed due to the fact that a thin protein layer which is being removed by the skim wiper of the skim tube is being removed right away. Test the effect of the device before using the SkimClean in an automatic modus controlled by a timer.

Assure that the pot does not go over the edges or create an additional overflow on the skim pot.

During first days of operation we suggest to use the SkimClean in a manual modus. In order to do so you put the plug power supply unit into the socket and observe the cleaning process. After having found your personal adjustment, change to the automatic modus using a timer for your SkimClean (not included in delivery package). A cleaning interval from one to two days for about 15 – 30 sec is sufficient!

Warning:

The device is not manufactured for permanent operation but only for interval usage! Permanent or unnecessary cleaning with the SkimClean reduces the lifetime of the device considerable and reduces the power of the protein skimmer! Do only use the device with a timer! The transportation hose of the integrated pump is a part subject to wear and would suffer from frequent usage.

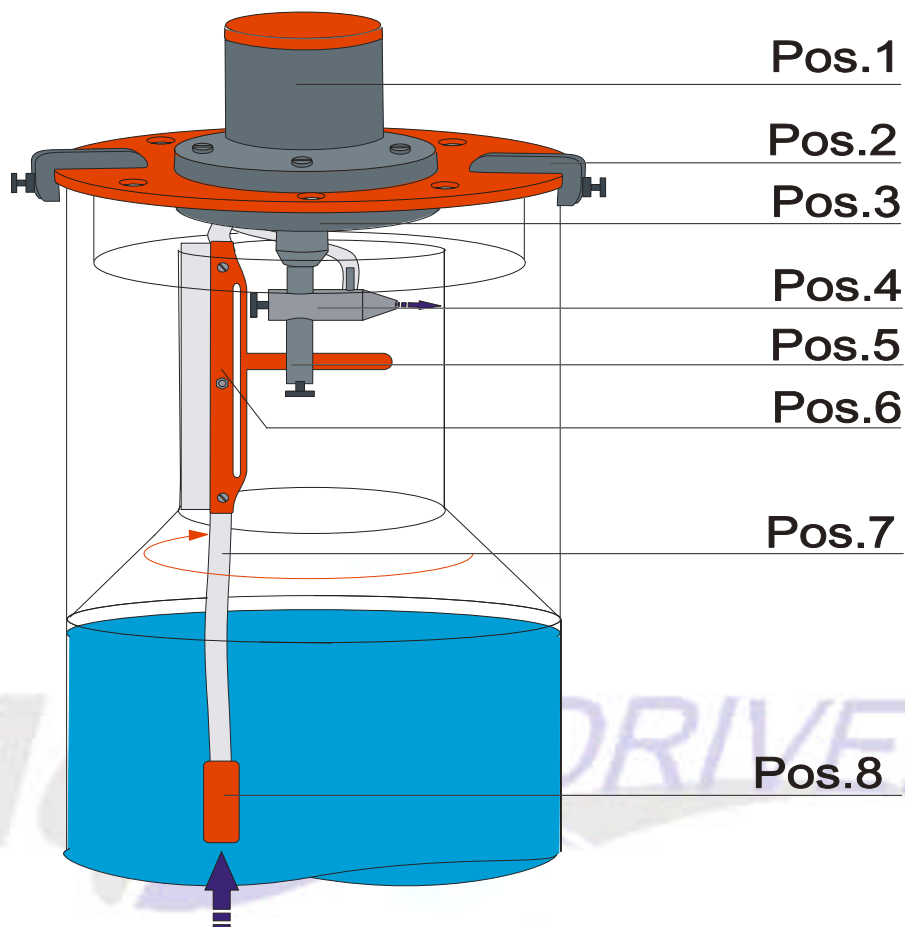
Maintenance:

The maintenance intervals of your skim remover will be extended and will assure operation without loss of power caused by protein layers on the inside of the skim tube.

During a main cleaning process of the skim pot do clean the mechanic of the SkimClean under running water using a soft silicon brush. Make sure that the drive unit does not touch the water for example through the 12VDC contact! The housing of the drive is not water tight.

Never duck the device completely under water!

When necessary remove the filter housing (pos. 8) of the suction tube and rinse thoroughly. When necessary rinse the cleaning nozzle.



Explanation

- Position 1: Drive unit 12V DC
- Position 2: Lid setscrew
- Position 3: rotation pump
- Position 4: humidification nozzle /wiper device
- Position 5: horizontal adjustment device / Wiper
- Position 6: Wiper with hose and wiper blade
- Position 7: self sucking silicon hose
- Position 8: Removable filter

Warranty

According to the following regulations we warrant you a period of one year for private use of our devices. The warranty time begins with the day of delivery, which must be proven through an original document such as an invoice or delivery document. During the warranty period any functional faulty on the device caused by lack of quality or faulty material will be taken care of. The necessary spare parts and labor time will not be charged.

Exceptions: The warranty does not include natural wear or transport damages, nor damages caused through negligence of the user's manual or wrong installation. The manufacturer is not liable for subsequent or capital damages. The warranty is not being extended or renewed after repair works. For warranty reason, faults or replacement parts please contact your dealer.

EG-Conformity Declaration according to EG-Machine regulations 98/37/EG Annex II A

We declare that the machine described as following goes conform by the listed regulations.

Brand: SkimClean (automatic cleaning device for skim tubes of floatation reactors)

EG-Regulations:

Machine regulations	(98/37/EG)
Low voltage regulations	(73/23/EWG)
32. BImSchV regulations	(2000/14/EG)
EMV regulations	(89/336/EWG)

Text: Regulations according to the council approved upon May 3rd 1989 for adaption of legal rules of the members for electromagnetic compatibility.

Changed to RL 91/263/EWG

Changed to RL 92/31/EWG

Changed to RL 93/68/EWG

Harmonizing European Norms	DIN EN 292 Safety for Devices and Units
	DIN EN 294 Minimum Distance
	DIN EN 1050 Risk Valuation
	DIN EN 954-1 Risk Evalation

National technical regulations VBG 5 Power supplied working devices

04/20/08

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