

# BasiTech™



- the small Jack-of-all-trades -

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## The advantages of AquaCare *BasiTech* units

- easy handling
- micro controller technique with safety programming
- SMD components
- long cables
- only 5 volts at swimmer switches
- electronic timer: cares the conducted component
- light emitting diodes (LED) for visual control

## Level control / skimmer shut off

The level control is suitable for filling a tank or aquarium automatically. The level switch has to be mounted at the maximum water level of the tank and to be conducted with the *BasiTech™* housing. After power supplying and connecting the refill pump of solenoid valve the green LED will flush. If the water level drops the *BasiTech™* control activates the yellow LED and the output channel. The conducted pump refills the tank. If the level switch is reached the pump will stop.



Picture: AquaCare

You can use the unit for a skimmer, too. If a skimmer is not controlled properly, too much wet foam will be produced and fill up the foam cup immediately. To prevent a water spill the *BasiTech™* unit shuts off the air pump of the skimmer or the water inflow pump of it. Therefore the level switch must be mounted into the skimmer foam cup.

Order number: 600-002

## Pump run dry protection



Most aquaristic pumps are circulation pumps that will not run dry for a long time. If the pump sucks air it will be destroyed. The level switch of the *BasiTech™* unit must be mounted at the minimum water level of tank that is connected with the pump. The pump has to be connected with the *BasiTech™* output. If power is supplied the pump will run and the green and yellow LED flush. If the water level drops below the level switch (leakage, evaporation) the unit shuts off the pump and the yellow LED. The pump will not start again if the level switch is reached again. This function prevent the continuous start and stop of the pump: normally if the pump stops water will flow back to the pump chamber from the aquarium. To activate the pump again you have to disconnect and to connect again the *BasiTech™* unit.

Order number for circulation pumps: 600-003

Order number for pressure pumps

(e.g. R.O. booster pumps): 600-004

## Reverse Osmosis control

The new AquaCare *BasiTech™* reverse osmosis control realizes three functions:

### Level control

The AquaCare *BasiTech™* control fill up pressure-less tanks automatically. The inlet valve is mounted between pre-filtration and R.O. module. It is very easy with the delivered push fit fittings. The automatic flushing valve takes over the function of the manual flushing valve of the R.O. unit. Two sensors – a minimum and a maximum level switch – are mounted in the pressure-less tank. The suitable holder is available at AquaCare. After installing the above components

the R.O. unit is able to work automatically. – If the water level is falling below the minimum sensor the R.O. units begins to produce water. If the maximum level switch is reached it stops. The distance between minimum and maximum sensor should be as large as possible to ensure best water quality. Only aquaria with a size of minimum 1000 liters may filled up directly – for such occasions change the minimum sensor against a unit without moving parts. Fill up smaller aquaria only with the *BasiTech™* level control.

### Automatically flushing

To conserve the sensitive R.O. membrane and to ensure best water quality the *BasiTech™* R.O. control realizes a flushing function. During start and stop and every 30 minutes the flushing valve opens for 30 seconds to flush out unwanted substances.



### Standby flushing

If the R.O. unit is on standby for a longer time the water inside the unit begins to rot. To prevent this situation the *BasiTech™* R.O. control flushes for 30 seconds if the R.O. unit is not producing water for longer than 24 hours.

Order number: 600-005

## Holder for level switches

The holder consists of a massive PVC basis with a 20 mm tube. One or more level switches must be fixed at the tube. The height is controlled with a plastic screw.

Order number: 602-001

