BasiTech™

- the small Jack-of-all-trades -

AquaCare GmbH & Co. KG
aquacare-shop.de
www.aquacare.de • info@aquacare.de

The advantages of AquaCare *BasiTech* units

- easy handling
- micro controller technique with safety programming
- only 5 volts at swimmer switches
- electronic delay against "flutter" of the Output
- Light emitting diodes (LED) for status indication
- for 230 volts, 50/60 Hz, 2 watts own power
- for consumers with a maximum power of 500 watts (inductive)
- long cables (2 meters each for sensor, power cable and consumer)
- splash-proof IP68
- optically attractive design

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

Unpressurized tanks can be filled automatically. The inlet solenoid valve is mounted between the pre-filter and the reverse osmosis module of the reverse osmosis system - this is particularly easy with the plug-in fittings supplied.

The flush solenoid valve is switched in place of the manual flush valve of the system. A minimum and a maximum float switch is set in the storage tank to the lower and upper level, respectively, and your reverse osmosis system can be operated automatically. You will find the appropriate holder with the other BasiTech™ units. If the water level in the supply tank falls below the minimum sensor, the reverse osmosis system starts to produce water. Only when the maximum sensor is exceeded does the system stop. The minimum-maximum distance should be chosen as large as possible, so that the reverse osmosis plant is in operation for as long as possible at one piece: this ensures the best water quality. - If an aquarium is to be refilled directly, it should have at least 1000 liters. The minimum sensor should be replaced with a sensor without moving parts so that contamination cannot cause malfunctions. Small aquariums can only be refilled with the BasiTech™ automatic refill.

Automatically flushing

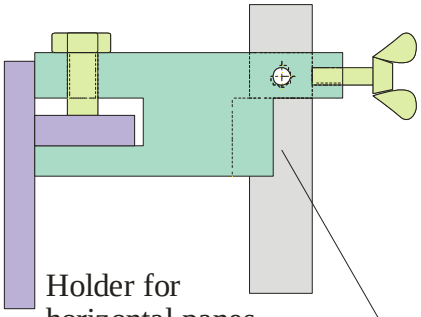
To conserve the sensitive R.O. membrane and to ensure best water quality the *BasiTech*™ R.O. control realizes a flushing function. During start and stop and every 30 minutes the flushing valve opens for 30 seconds to flush out unwanted substances.

Standby flushing

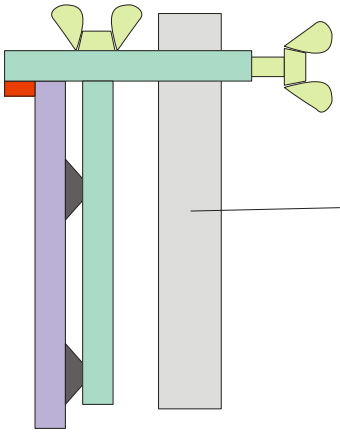
If the reverse osmosis system is out of service for an extended period of time, the water in the system can become foul. To prevent this, the BasiTech™ reverse osmosis controller will flush for 30 seconds whenever the system is out of service for more than 24 hours.
Order number: 600-005

Tube mounting systems

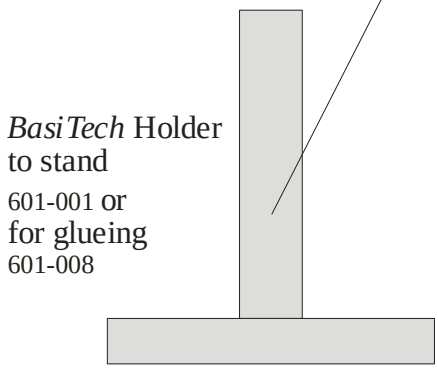
BasiTech Support



Holder for
horizontal panes
601-003



Multi Holder M
multiholder-M001

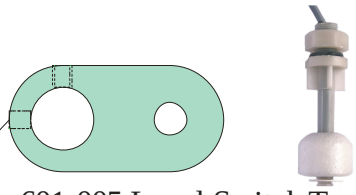


BasiTech Holder
to stand
601-001 or
for glueing
601-008

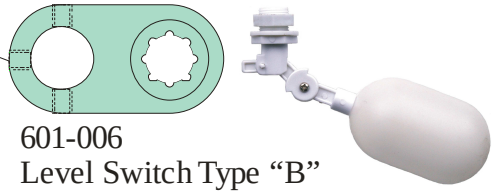
20 mm
tubes

601-010 Glass Heater

601-011 Titan Heater



601-005 Level Switch Type “A”



601-006
Level Switch Type “B”
Floating valve

601-009
2 measuring chains

601-004
1 measuring chain

Multiholder M for vertical and holder for horizontal panes (bars)