

DOSER ONE *Evolution* 4CH

User manual for the additional module of an aquarium dispenser.



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1. Introduction.

The additional executive module "Doser One Evolution" is a set of peristaltic pumps designed for the use with the control units: Poseidon Evolution, Doser One Evolution 3ch, Doser One Evolution Fast.

The module runs the programs controlled by these units.

2. Connection.

The module should be connected to a control unit with a DIN 5PIN cable delivered with the module. One of the plugs should be put into the slot in the rear panel of the module and the other one into the properly marked slot of the control unit.

3. Maintenance operations.

a. Lubrication of the peristaltic pump heads.

While using the aquarium dispenser, the maintenance operations are limited to periodic lubrication of peristaltic pump heads; this maintenance operation has a large impact on the noise produced by the pumps and the service life of santoprene hoses.

Lubrication should be carried out with the use of the supplied silicone grease and syringe every two months; the lubrication consists in pumping 1ml grease into every pump head. The grease should be pumped into the pump head, while one of the santoprene hose ends is bent.

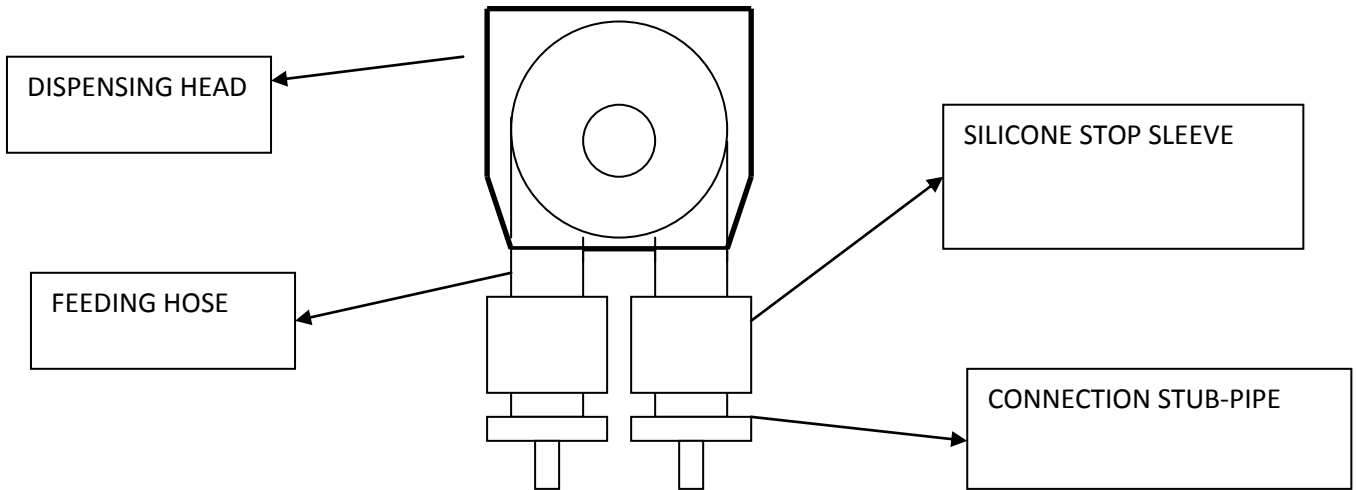
b. Replacement of feeding hoses in peristaltic pumps.

The santoprene hoses (bypasses) are the only consumable element of the dispenser and have to be replaced periodically. They should be replaced only if it is observed that the pump does not suck liquid up or the pump performance decreases significantly.

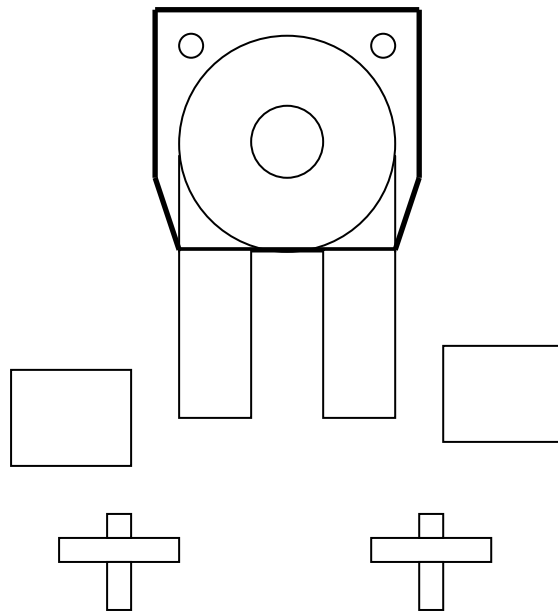
The feeding hose should be replaced by "pulling out" the old hose and "pulling in" a new one; in order to pull out the old hose, remove connection stub-pipes and limiters from it (from both ends) and then pull the hose gently from the pump head.

"Pulling in" is executed in reverse order; inject a small amount of the silicone grease into the inside of the pump head and then push the new hose through one of the holes.

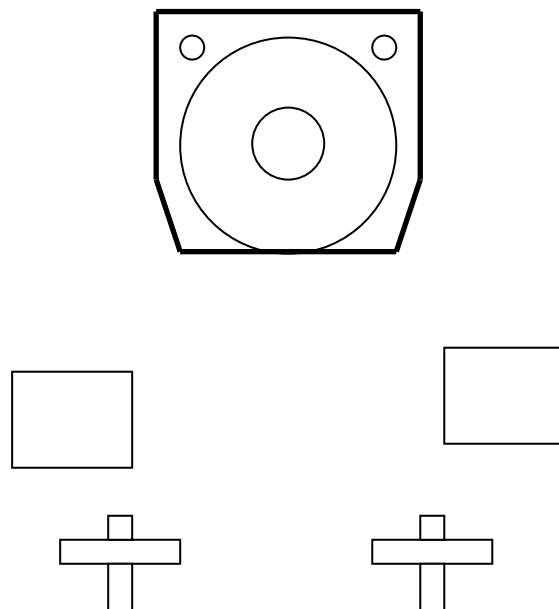
The connection stub-pipes and limiters should be put onto the ends of the new hose.



A head with silicone stop sleeves and connection stub-pipes taken off.



A head with a feeding hose taken off.



Note!!! While replacing a hose, the head should not be unscrewed from the housing; the hose is replaced "on" the device.

4. Precautions.

The Doser One Evolution dispenser, as any electronic device, may not operate under high air humidity conditions, so it should be located beyond a sump cabinet or a very well-ventilated cabinet should be provided.

In order to provide your pets with the maximum security, remember that there should be always such amount of fluids in the containers, which may not harm aquarium inhabitants, if all the fluids happen to get into aquarium.

5. Specifications

- Supply voltage 12V DC
- Total power consumption 5W
- Efficiency 4x4.5ml/min.
- Dimensions in cm: 22.5 x 20 x 7
- Weight 700 g.

GUARANTEE CARD

1. The guarantee period is 24 months and is calculated from the date specified on the guarantee certificate.
2. Any complaints should be reported at the purchase place of the product or directly to the manufacturer; while reporting, the proof of the purchase, and description of the damage and guarantee card should be provided. After reading the documents and checking the state of the product, the seller will decide on further guarantee proceedings.
3. The guarantee card is valid only with the proof of the purchase (an original or a photocopy), when it has the date of sale, the name, the model and is confirmed with the stamp and signature of the seller.
4. The product under complaint may require a thorough expertise in order to determine the existence of the damage and the legitimacy of the complaint. The product under complaint should include all accessories supplied by the manufacturer.
5. The product under complaint should be delivered at the expense of the user.
6. The guarantee does not cover:
 - a. Consumables such as pumping and feeding hoses
 - b. Damages caused by the use of the device being not in accordance with the product instructions
 - c. Damages due to improper product installation or storage
 - d. Permanent contamination causing deterioration of the performance of the product
 - e. Damages due to unauthorized repairs or modifications of the product
 - f. Damages due to random events (e.g. fire, lightning, flooding)
 - g. Damages due to transport to the service
7. The service reserves the right to charge the customer with the costs of materials, labor and transport, if the damage is not covered by the guarantee or the product proves to be working.
8. The guarantee does not cover the right of the customer for the compensation for the loss of the expected benefits and costs incurred, resulting for the use or inability to use the product.

Breaking or damaging the guarantee seals voids the guarantee.

Product made in Poland.

Manufacturer: Aqua-Trend

Lokatorska 11 Lok. 6

93-021 Lodz

DATE OF SALE:

MODEL:

SIGNATURE:... ..