

# CBK AQUATICS



## CBdoseKontrol Instructions Model 1

**Caution!!! Please read and follow all cautions, warnings, and instructions prior to use:**

- For Aquarium use only.
- Pump is intended for dry operation, do NOT submerge pump in water or place in a location where pump could fall into water. Doing so could result in risk of fire and/or electric shock.
- Keep out of reach of children.
- Place securely on a steady platform to ensure CbdoseKontrol does not tip and fall.
- Never use a power supply other than the one provided with the pump as this could result in fire and/or electric shock. Contact CBK Aquatics if a replacement is needed.
- This product is designed for liquid only
- Place pump in well ventilated dry area to ensure long life and safe operation.
- Do NOT cover the pump during operation
- Use CbdoseKontrol only as described in this manual. Failure to do so, could result in fire and/or electric shock and cause personal injury or property damage.
- Do NOT disassemble or modify CBdoseKontrol for any reason. Contact CBK Aquatics for assistance as needed.
- CBK Aquatics does not recommend connecting pump to any constant water source including taps, faucets, RO/DI, or any other water filtration. This could result in flooding and or water damage.

**Parts Inventory**

- 1 CbdoseKontrol pump assembly
- 1 AC/DC power adapter
- 2 End to end tubing connectors

## **Instructions:**

1. Confirm all contents listed in the parts inventory have been received.
2. Choose appropriate location for your CBdoseKontrol
  - CBdoseKontrol should be placed on a hard, flat surface without possibility of falling into water or being spilled on
  - Keep out of reach of children
  - CBdoseKontrol is designed to prevent back siphon however output line should not be submerged in tank or sump as a precautionary measure
3. If you intend to use the end to end tubing connectors, continue with step 4. If you are using your own connection method, install as appropriate and move on to the “Calibration” section of this document.
4. Install end to end connectors onto the tubing pre-installed in the CBdoseKontrol. Water or petroleum jelly can be used to lubricate the ends making installation easier
5. Connect your input and output lines to the end to end connectors. As pump stands on it's no-slip acrylic feet, the input line is the lower end and the output is the upper line closes to the CBdoseKontrol label. \*\*\*\*If installing for use with a CBK Doser, simply cut the doser return line in the location facilitating connection to the CbdosePump, and connect the cut ends to the pump.
6. Carefully secure the output tubing end to ensure the pump moves fluid into either the tank or your sump. Failure to properly secure this output could result in flooding or water damage depending on your input reservoir.
7. Place the input tubing in your water source reservoir.
8. Connect the provided AC/DC power converter to the power jack located on the right-hand side toward the rear of the CBdoseKontrol
9. Connect power supply to 120 VAC wall outlet. You should see the green “power” LED light and the power bar LED's indicating the motor speed. You should also notice the pump turning. The pump will self prime and there is no danger in running the pump dry.
10. Using a small screwdriver or nail file, adjust motor speed by inserting screwdriver in adjustment hole on the right side of the pump. Turning the dial clockwise will increase the pump output and counterclockwise will slow output. \*\*\*Note, the pump does NOT stop using this adjustment. Remove power if you want to completely halt the pump operation.

## **Calibration Instructions**

1. Once pump is in place and all connections are made, turn the adjustment knob following instructions provided above counterclockwise until the dial stops.
2. Using a graduated vial (water parameter test kits can be used for this) and a stopwatch, capture the pump output for exactly one minute.
3. Multiply the result by 1,440 to calculate the minimum daily output of your CBdoseKontrol.
4. Rotate the adjustment dial clockwise until it stops and repeat steps 2 and 3 to determine the maximum daily output of your CBdoseKontrol.
5. Repeat this entire process until you have consistent results. Adjust pump to your desired output and confirm your setting by measuring the output for 1 minute and multiplying by 1,440 for your daily output.
6. Calibration should be confirmed/repeated once a week for the first month of operation and then every 8 weeks after that.

\*\*\*Please visit us online at <http://www.CBKAquatics.com> with any questions you may have.