



CARE AND USE OF MINI BUBBLE PADDLE RESERVOIRS AND MOTOR/MAGNETIC CLUTCH UNIT FOR DEERAC FLUIDICS

1. The Bubble Paddle Reservoir and the Bubble Paddles may be sterilized by autoclaving. Use the rapid exhaust option to dry the reservoir. **DO NOT** autoclave the motor.
2. Place the Bubble Paddle Reservoir onto the motor/magnetic clutch unit using the 4 locating pins. Make sure the Bubble Paddle Reservoir is setting flat in the unit.
3. Attach the system to the Deerac Fluidics deck using the 4 screws provided.
4. Plug the Speed Control into a 230 volt outlet (or 115 volt outlet if you have the VP 761M), connect the motor to the Speed Control.
5. Set the Speed Control knob to 0. Turn on the power switch. Slowly increase the speed until you achieve your desired level of mixing. (The paddle will not turn until the indicator is between 20 and 30 on the dial.)
6. Carefully add the sample liquid to mix to the reservoir after the unit is running. This prevents particulates from settling out. If your reservoir is attached to a peristaltic pump system, start the unit running before you turn on the pump.
7. Always turn the unit off with the power switch. Never leave the unit on with the power switch turned to 0 for long periods of time.
8. The reservoir is made with polypropylene, the paddles with anodized aluminum coated with parylene with PTFE and delrin bearings. Use mild detergents to clean these parts. Always clean and store unit dry.
9. To remove the Bubble Paddle and magnetic clutch assembly from the reservoir, place the end of a bent paper clip under the magnetic clutch and lift up.

Fuse Replacement

The VP 761M is powered by a Multi-Drive™ Solid State DC Motor speed controller, which is manufactured by KB Electronics, Inc. The controller is powered by 115/230 VAC at 50/60 Hz. Please refer to the KB Control Installation and Operating Instructions (attached) before operating the controller.

The controller contains two fuses to protect against over-current. There is one AC in-line fuse for the VP761M controller which is located on the right rear of the circuit-board (see Page 5 of the controller operating instructions). The AC in-line fuse should be a **250V AGC 6A** fuse. There is also one DC output fuse on the KB Controller, which is located on the left rear of the circuit board (see page 5 &13 of the controller operating instructions). The DC out-line fuse should be a **250V AGC 1.25A** fuse.

A set of spare fuses is located inside a bag taped to the inside top cover of the controller.

For any other questions regarding the controller, please refer to the KB Control Installation and Operating Instructions.