

# Diamond<sup>®</sup> SeroFlow<sup>™</sup> Pipette Controller Quick Start Guide

## What's in the box:

- Quick Start Guide
- Diamond SeroFlow Pipette Controller
- 0.45µm filters (2ea)
- Power Adaptor
- Charging Stand



Name	Function
Operating Triggers	Analog triggers used to aspirate and dispense liquid. The rate of aspiration can be controlled by the extent of force applied to each trigger.
Speed Adjustment Dial	The overall rate of aspiration and dispensing can be adjusted using this dial. Rotate the dial towards the minus icon to slow the rate, and rotate the dial towards the plus icon to increase the rate.
Nose Cone & Silicone Adaptor	The visible outer nose cone and interior silicone pipette adaptor that accept the serological pipettes.
0.45µm Filter	Inline filter placed just above the nose cone, located internally between the pipette controller components and silicone adaptor

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## OPERATING INSTRUCTIONS

**IMPORTANT:** The pipette controller cannot be operated without the internal filter in place. During operation, please do not overfill the serological pipette beyond its maximum level as this may contaminate the pipette controller and the internal filter. If overfilling occurs, change the internal filter immediately and clean any potentially contaminated components, including the silicone adaptor. Only use filters provided by Globe Scientific.

### Charging the Unit

- Use only the power adaptor supplied with the unit. Using a different adaptor may cause damage to the unit or even create a fire or explosion hazard.
- The pipette controller can be charged by plugging the power adaptor directly into the unit, or by using the charging stand in conjunction with the power adaptor
- The unit may be used while charging.

### Speed Adjustment

- Overall aspiration and dispensing speed can be controlled by adjusting the speed adjustment dial. Rotate the dial towards the minus icon to slow the rate, and rotate the dial towards the plus icon to increase the rate.
- Fine speed control can be achieved by using varying pressure on the operating triggers.

### Fit the Pipette

- Gently insert a serological pipette into the silicone adaptor located in the nose cone. Do not use excessive force as this may damage the silicone insert.

### Aspiration / Dispensing

- Aspirate or dispense using the appropriate triggers. The desired rate can be controlled using both the speed adjustment dial and varying pressure on the triggers (see: **Speed Adjustment**). In addition to using the dispense trigger, fine control dispensing can be performed by using the effect of gravity.



## PRECAUTIONS

- Never use the pipette controller with highly flammable liquids.
- Carefully read and understand these instructions prior to use.
- Ensure a good working environment free of explosive or hazardous and inflammable substances.
- Do not use excessive force when using.
- If the pipette controller does not operate normally, immediately stop operation.
- Only use spare parts provided by Globe Scientific.
- Preferable operation and storage temperature range is +10°C to +30°C.