

Vibratory Feeder

(Part Nos. AVF6–AVF8)



Automatic Operation

To operate the Vibratory Feeder in an automatic controlled mode, there must be three components in addition to the feeder. The timer (**SF41** and part of **SF44**) and a relay box (**SF40** and part of **SF44**) provide control. When used in conjunction with the 12VDC incremental power supply, these components form a "controller." The adjustable 12VDC power supply produces one of these DC outputs: 3, 4.5, 6, 7.5, 9 and 12 volts. The desired adjustable output of the DC power supply will regulate the speed and strength of the feeder motor. The controller will activate the feeder upon command from the settings programmed into the timer. The timer has the capability to store up to 24 feeding events per day. If multiple feeders are installed, all feeders will be turned on simultaneously.

A timer, relay box and 12VDC power supply are required for operation of the feeder. A list is provided below:

	Part Number
1. 115VAC to 3 to 12VDC incremental power supply	SF51**
2. Individual feeder speed control for 12VDC	SF62***
3. Replacement relay box/115VAC controller	SF40
4. 12 VDC replacement timer	SF41
5. 115VAC relay box with timer	SF44**

*All timers carry a three-year warranty and feeders carry a two-year warranty from date of purchase.

**Required for proper installation and automatic operation.

***Required for multiple feeder installations. One **SF62** speed control is required per feeder. **SF62** interconnecting RCA jacks and cable are not provided.

Features

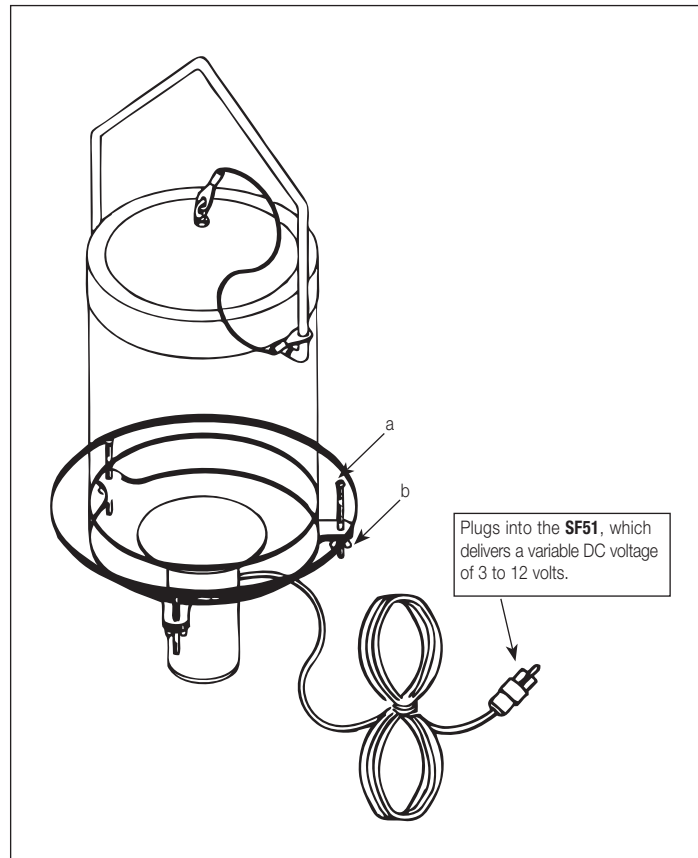
This feeder model is capable of dispensing tiny amounts of feed. It is easy to adjust for different sizes of feed and has excellent repeatability over a long feeding program.

1. Designed to handle most feeds.
2. Resistant to clogging.
3. Designed with hatchery use in mind where several accurate feedings are required each day.

Specifications

1. The feeder is designed to operate at between 3 and 12VDC.
2. **AVF6**: .5 liters; **AVF7**: 1.75 liters; **AVF8**: 3 liters.
3. One timer is capable of operating up to 13 feeders without external relays.

Feed Flow Adjustments



Guidelines for Use

Three feeding adjustments are possible:

1. Voltage adjustment for adjusting the strength of the vibration.
2. Run time for adjusting the duration of feeding.
3. Bottom plate opening to adjust the flow of the feed.
4. Set voltage on **SF51** or **SF62** to set vibration intensity. Set run time or duration on the **SF41** timer.
 - a. Loosen the adjusting screws and set the bottom of the plate gap so that it is evenly spaced at all three adjustments.
 - b. Make sure the hardware is tight so adjustments will stay set during extended periods of operation.