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Garden Notes

GN 137

FLOW RATE CALCULATION

Determine System Capacity

Measure your flow rate

- Use a bucket with a known capacity
  - 5 gallons
- Time how long it takes to fill
  - 135 seconds
- Determine flow rate in gallons per hour

$$\frac{\text{5 gal}}{\text{135 sec}} \times \frac{\text{60 sec}}{\text{1 min}} \times \frac{\text{60 min}}{\text{1 hr}}$$

133 gallons per hour (gph)

- Check the emitter's flow rate
  - Should be listed on the packaging
- Don't overload the system
  - Add up the flow of all the emitters and don't exceed the maximum flow, 133 gph in our example.

September 2010, written by Don Smith, City of Folsom Water Management.