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

\[
\frac{5 \text{ gal}}{135 \text{ sec}} \times \frac{60 \text{ sec}}{1 \text{ min}} \times \frac{60 \text{ min}}{1 \text{ hr}} = 133 \text{ gallons per hour (gph)}
\]

- 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.