

Automated irrigation system components

Main water supply



Hose bibb

Provided

Water source

Gardener irrigation system



Y-valve

Optional

Allows a garden hose connection in addition to the irrigation system (\$2 to \$10)



Vacuum break

Required

Prevents water from flowing back into the water supply (\$5)



Timer

Required

Automates the irrigation (\$25 to \$35)



Coupling

Required

Connects male-to-male hose threads (\$2 to \$4)



Filter

Optional

Reduces chance of clogged drip emitters (\$10)



Pressure reducer

Required

Sets line pressure to drip emitter spec. This can alternatively be placed in front of the filter (\$12)



Tubing adaptor

Required

Connects hose threads to 1/2" main irrigation line tubing (\$5)

Some of these components will be needed

- 1/2" main irrigation line tubing (\$8)
- 1/4" distribution tubing (\$5 per 50 ft)
- 1/4" drip emitter tubing (\$25 per 50 ft)
- 1/4" elbow connectors (\$8 per 50)
- Irrigation tubing support stakes (\$11 per 100)
- 1/4" valves are optional for areas to be shut off (\$5 for two)
- 1/4" soaker hose (not recommended) (\$10 for 50 ft)

Typical complete new system cost would be approximately \$120 to \$140



To prevent leaks,
wrap with a zip
tie to secure the
connection