

Leak Calculator

| Leak | Leak Diameter @ 60 PSI line pressure | Gallons Per Minute (GPM) | Gallons Per Day (GPD) | Gallons Per Quarter (GPQ) | Gallons Per Year (GPY) | Leak @ \$0.00482/gallon per year |
|--|--------------------------------------|--------------------------|-----------------------|---------------------------|------------------------|----------------------------------|
| 1/16" hole | ● | 0.5710 | 822 | 74,000 | 300,111 | \$ 1,446.54 |
| 1/8" hole | ● | 2.2840 | 3,289 | 296,000 | 1,200,444 | \$ 5,786.14 |
| 3/16" hole | ● | 5.1389 | 7,400 | 666,000 | 2,701,000 | \$ 13,018.82 |
| 1/4" hole | ● | 9.1165 | 13,128 | 1,181,500 | 4,791,639 | \$ 23,095.70 |
| 1/2" hole | ● | 42.2917 | 60,900 | 5,481,000 | 22,228,500 | \$ 107,141.37 |
| Dripping faucet | | 0.0104 | 15 | 1,350 | 5,475 | \$ 26.39 |
| Leaking toilet | | 0.5000 | 720 | 64,800 | 262,800 | \$ 1,266.70 |
| Drip irrigation | | 10.0000 | 14,400 | 1,296,000 | 5,256,000 | \$ 25,333.92 |
| Watering garden for 2 hours @5GPM | | 0.4167 | 600 | 54,000 | 219,000 | \$ 1,055.58 |
| Watering garden for 2 hours @10GPM | | 0.8333 | 1,200 | 108,000 | 438,000 | \$ 2,111.16 |
| Unattended water hose 1 night @ 10 GPM | | 0.1250 | 180 | 16,200 | 65,700 | \$ 316.67 |
| Broken water service line @ 15 GPM | | 15.0000 | 21,600 | 1,944,000 | 7,884,000 | \$ 38,000.88 |
| Stuck ice maker | | 2.0772 | 2,991 | 269,200 | 1,091,756 | \$ 5,262.26 |
| Stuck check valve in washing machine | | 8.0000 | 11,520 | 1,036,800 | 4,204,800 | \$ 20,267.14 |