

TABLE B.5.2
WATER SUPPLY FIXTURE UNITS (WSFU) AND MINIMUM FIXTURE BRANCH PIPE SIZE FOR
INDIVIDUAL FIXTURES

| INDIVIDUAL FIXTURES | Minimum Branch Pipe Size | | In Individual Dwelling Units | | | In 3 or More Dwelling Units | | | In Other Than Dwelling Units | | | In Heavy-Use Assembly | | |
|---|--------------------------|------|------------------------------|------|-----|-----------------------------|------|-----|------------------------------|------|-----|-----------------------|------|-----|
| | Cold | Hot | Total | Cold | Hot | Total | Cold | Hot | Total | Cold | Hot | Total | Cold | Hot |
| Bar Sink | 3/8" | 3/8" | 1.0 | 0.8 | 0.8 | 0.5 | 0.4 | 0.4 | | | | | | |
| Bathtub or Combination Bath/Shower | 1/2" | 1/2" | 4.0 | 3.0 | 3.0 | 3.5 | 2.6 | 2.6 | | | | | | |
| Bidet | 1/2" | 1/2" | 1.0 | 0.8 | 0.8 | 0.5 | 0.4 | 0.4 | | | | | | |
| Clothes Washer, Domestic | 1/2" | 1/2" | 4.0 | 3.0 | 3.0 | 2.5 | 1.9 | 1.9 | 4.0 | 3.0 | 3.0 | | | |
| Dishwasher, Domestic | | 1/2" | 1.5 | | 1.5 | 1.0 | | 1.0 | 1.5 | | 1.5 | | | |
| Drinking Fountain or Water Cooler | 3/8" | | | | | | | | 0.5 | 0.5 | | 0.8 | 0.8 | |
| Hose Bibb (first) | 1/2" | | 2.5 | 2.5 | | 2.5 | 2.5 | | 2.5 | 2.5 | | | | |
| Hose Bibb (each additional) | 1/2" | | 1.0 | 1.0 | | 1.0 | 1.0 | | 1.0 | 1.0 | | | | |
| Kitchen Sink, Domestic | 1/2" | 1/2" | 1.5 | 1.1 | 1.1 | 1.0 | 0.8 | 0.8 | 1.5 | 1.1 | 1.1 | | | |
| Laundry Sink | 1/2" | 1/2" | 2.0 | 1.5 | 1.5 | 1.0 | 0.8 | 0.8 | 2.0 | 1.5 | 1.5 | | | |
| Lavatory | 3/8" | 3/8" | 1.0 | 0.8 | 0.8 | 0.5 | 0.4 | 0.4 | 1.0 | 0.8 | 0.8 | 1.0 | 0.8 | 0.8 |
| Service Sink Or Mop Sink | 1/2" | 1/2" | | | | | | | 3.0 | 2.3 | 2.3 | | | |
| Shower | 1/2" | 1/2" | 2.0 | 1.5 | 1.5 | 2.0 | 1.5 | 1.5 | 2.0 | 1.5 | 1.5 | | | |
| Shower, Continuous Use | 1/2" | 1/2" | | | | | | | 5.0 | 3.8 | 3.8 | | | |
| Urinal, 1.0 GPF | 3/4" | | | | | | | | 4.0 | 4.0 | | 5.0 | 5.0 | |
| Urinal, Greater Than 1.0 GPF | 3/4" | | | | | | | | 5.0 | 5.0 | | 6.0 | 6.0 | |
| Water Closet, 1.6 GPF Gravity Tank | 1/2" | | 2.5 | 2.5 | | 2.5 | 2.5 | | 2.5 | 2.5 | | 4.0 | 4.0 | |
| Water Closet, 1.6 GPF Flushometer Tank | 1/2" | | 2.5 | 2.5 | | 2.5 | 2.5 | | 2.5 | 2.5 | | 3.5 | 3.5 | |
| Water Closet, 1.6 GPF Flushometer Valve | 1" | | 5.0 | 5.0 | | 5.0 | 5.0 | | 5.0 | 5.0 | | 8.0 | 8.0 | |
| Water Closet, 3.5 GPF (or higher) Gravity Tank | 1/2" | | 3.0 | 3.0 | | 3.0 | 3.0 | | 5.5 | 5.5 | | 7.0 | 7.0 | |
| Water Closet, 3.5 GPF (or higher) Flushometer Valve | 1" | | 7.0 | 7.0 | | 7.0 | 7.0 | | 8.0 | 8.0 | | 10.0 | 10.0 | |
| Whirlpool Bath or Combination Bath/Shower | 1/2" | 1/2" | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | | | | | | |

NOTES:

1. The fixture branch pipe sizes in Table B.5.2 are the minimum allowable. Larger sizes may be necessary if the water supply pressure at the fixture will be too low due to the available building supply pressure or the length of the fixture branch and other pressure losses in the distribution system.
2. Gravity tank water closets include the pump assisted and vacuum assisted types.