

## MPD vs. Double Ring



Double Ring:  $K_{sat} = 73.7$  inches per hour

MPD:  $K_{sat} = 71.6$  inches per hour



Double Ring:  $K_{sat} = 2.4$  inches per hour

MPD:  $K_{sat} = 2.9$  inches per hour



Double Ring:  $K_{sat} = 2.54$  inches per hour

MPD Infiltrometer:  $K_{sat} = 1.2$  inches per hour



Double Ring:  $K_{sat} = 23.7$  inches per hour

MPD:  $K_{sat} = 22.8$  inches per hour

**Note:** 2 to 4 MPD tests were conducted and averaged together for the comparison above.

Double Ring Infiltrometer	MPD Infiltrometer
Test time: 4 to 6 hours	Test Time: 30 to 60 Minutes <input checked="" type="checkbox"/>
Hundreds of gallons of water required	Under 1 gallon of water <input checked="" type="checkbox"/>
Manual	Automated <input checked="" type="checkbox"/>
Requires a Licensed Engineer	Any person can operate <input checked="" type="checkbox"/>
\$1,000+ per test	\$100 per test <input checked="" type="checkbox"/>
Single data point for entire site	Average multiple tests per site <input checked="" type="checkbox"/>
Human error	All data collection and mathematical processing performed automatically <input checked="" type="checkbox"/>