

Arizona Flow Testing LLC

HYDRANT FLOW TEST REPORT

Project Name:	Not Provided
Project Address:	7474 East Pinnacle Peak Road, Scottsdale, Arizona, 85255
Client Project No.:	Not Provided
Arizona Flow Testing Project No.:	23092
Flow Test Permit No.:	C71323
Date and time flow test conducted:	February 6, 2023 at 7:00 AM
Data is current and reliable until:	August 6, 2023
Conducted by:	Floyd Vaughan-Az Flow Testing, LLC (480-250-8154)
Witnessed by:	Sonny Schreiner – City of Scottsdale-Inspector (602-819-7718)

Raw Test Data

Static Pressure: **92.0 PSI**
(Measured in pounds per square inch)

Residual Pressure: **40.0 PSI**
(Measured in pounds per square inch)

Pitot Pressure: **17.0 PSI**
(Measured in pounds per square inch)

+

Diffuser Orifice Diameter: One 4-inch Pollard Diffuser
(Measured in inches)

Coefficient of Diffuser: 0.9

Flowing GPM: **1,772 GPM**
(Measured in gallons per minute)

GPM @ 20 PSI: **2,112 GPM**

Data with 20 PSI Safety Factor

Static Pressure: **72.0 PSI**
(Measured in pounds per square inch)

Residual Pressure: **20.0 PSI**
(Measured in pounds per square inch)

Approx. distance between hydrants: 340 Feet

Main size: Not Provided

Flowing GPM: **1,772 GPM**

GPM @ 20 PSI: **1,772 GPM**

Scottsdale requires a maximum Static Pressure of 72 PSI for AFES Design.

Flow Test Location

North ↑

