

Arizona Flow Testing LLC

HYDRANT FLOW TEST REPORT

Project Name:	Homewood Suites
Project Address:	9880 North Scottsdale Road, Scottsdale, Arizona 85253
Arizona Flow Testing Project No.:	20332
Client Project No.:	Not Provided
Flow Test Permit No.:	C64901
Date and time flow test conducted:	April 5, 2021 at 7:20 AM
Data is current and reliable until:	October 5, 2021
Conducted by:	Floyd Vaughan – Arizona Flow Testing, LLC (480-250-8154)
Witnessed by:	Aaron Roby – City of Scottsdale-Inspector (480-407-7022)

Raw Test Data

Static Pressure: **95.0 PSI**
(Measured in pounds per square inch)

Residual Pressure: **70.0 PSI**
(Measured in pounds per square inch)

Pitot Pressure: **27.0 PSI**
(Measured in pounds per square inch)

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

Coefficient of Diffuser: .9

Flowing GPM: **2,233 GPM**
(Measured in gallons per minute)

GPM @ 20 PSI: **4,041 GPM**

Data with 23 PSI Safety Factor

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

Residual Pressure: **47.0 PSI**
(Measured in pounds per square inch)

Distance between hydrants: Approx. 300 Feet

Main size: Not Provided

Flowing GPM: **2,233 GPM**

GPM @ 20 PSI: **3,316 GPM**

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

Flow Test Location

North ↑

