

# Flow Test Form

ADDRESS:	200 University Park Dr.	DATE:	October 21, 2021
PERFORMED BY:	P.J. & Randy w/ Ahern	TIME:	9:40 A.M.
<b>OBSERVED BY:</b>	Mike and Jeff w/ SIUE		
	See attached Site Plan for reference		

HYDRANT #(S):	Flow Hydrant #27								
	Gauge Hydrant #25								
STATIC PRESSURE:	45 PSI								
<b>RESIDUAL PRESSURE:</b>	25 PSI								
<b>PITOT PRESSURE (p):</b>	25								
BUTT/ORIFICE OPENING SIZE (d):	2.5" (typical)								
HYDRANT CO-EFFICIENT (c):	0.90 0.80 0.70								
<b>GPM</b> $Q = 29.84 \text{cd}^2 \sqrt{p}$ (NFPA 291 4.7.3)	840								

Note: Factory Mutual projects, a maximum Hydrant C-efficient of 0.80 is to be used to determine GPM flowing.

OBSERVATION NOTE: The Pressure Gauge on the Test Hydrant Briefly Dropped Near Zero Then Recovered to Pressure Noted Above.

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FLOW (GPM)



# Flow Test Form

ADDRESS:	200 University Par	rk Dr.	DATE:	October 21, 2021
PERFORMED BY:	P.J. & Randy w/ A	Ahern	TIME:	9:50 A.M.
<b>OBSERVED BY:</b>	Mike and Jeff w/	SIUE		
		See attached Site Plan for reference		
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HYDRANT #(S):	Flow Hydrant #27	
	Gauge Hydrant #26         50       PSI         30       PSI         25         2.5" (typical)       □ Other         ○       0.90       □ 0.80	
STATIC PRESSURE:	50	PSI
<b>RESIDUAL PRESSURE:</b>	30	PSI
<b>PITOT PRESSURE (p):</b>	25	
BUTT/ORIFICE OPENING SIZE (d):	2.5" (typical)	Other
HYDRANT CO-EFFICIENT (c):	0.90	30 0.70
<b>GPM</b> $Q = 29.84 \text{cd}^2 \sqrt{p}$ (NFPA 291 4.7.3)	840	

Note: Factory Mutual projects, a maximum Hydrant C-efficient of 0.80 is to be used to determine GPM flowing.

OBSERVATION NOTE: The Pressure Gauge on the Test Hydrant Briefly Dropped Near Zero Then Recovered to Pressure Noted Above.

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		400	80	0	12	200	1	600	20	00	24	00	28	800	32	00	36	600	40	00	Scale B

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# Flow Test Form

ADDRESS:	200 University Par	rk Dr.	DATE:	October 21, 2021
PERFORMED BY:	P.J. & Randy w/ A	Ahern	TIME:	10:00 A.M.
<b>OBSERVED BY:</b>	Mike and Jeff w/	SIUE		
		See attached Site Plan for reference		

HYDRANT #(S):	Flow Hydrant #26							
	Gauge Hydrant #25 45 PSI 25 PSI							
STATIC PRESSURE:	45	PSI						
<b>RESIDUAL PRESSURE:</b>	25	PSI						
<b>PITOT PRESSURE (p):</b>	25							
BUTT/ORIFICE OPENING SIZE (d):	2.5" (typical)	Other						
HYDRANT CO-EFFICIENT (c):	0.90	30 0.70						
<b>GPM</b> $Q = 29.84$ cd <sup>2</sup> $\sqrt{p}$ (NFPA 291 4.7.3)	840							

Note: Factory Mutual projects, a maximum Hydrant C-efficient of 0.80 is to be used to determine GPM flowing.

OBSERVATION NOTE: The Pressure Gauge on the Test Hydrant Briefly Dropped Near Zero Then Recovered to Pressure Noted Above.

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		400	80	)	12	:00	1	600	20	000	24	100	28	00	32	100	36	00	40	00	Scale B

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#1 = flow F27, test F28 #2 = flow F27, test F26 #3 = flow F26, test F25

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MATCH TO APPENDI