

FIRE SUPPRESSION DESIGN CRITERIA

CASE NUMBER ¹: _____ DATE: _____

PROJECT OR FACILITY NAME: _____

STREET ADDRESS: _____

CITY: _____ COUNTY: _____

WATER FLOW INFORMATION: (See work sheet on reverse side)

STATIC: _____ PSI

RESIDUAL: _____ PSI

WATER FLOW: _____ GPM

DURATION: ² _____ MIN

SOURCE OF WATER SUPPLY: ³ _____

SOURCE OF WATER FLOW DATA: ⁴ _____

DATE AND TIME OF WATER FLOW TEST: ⁵ _____

ANTICIPATED WATER DEMAND: ⁶ _____ PSI

_____ GPM

CLASSIFICATION OF HAZARD(S): ⁷ _____

OCCUPANCY OF BUILDING: ⁸ _____

SPECIFIC TYPES OF SUPPRESSION SYSTEM(S): _____

NFPA STANDARD(S) FOLLOWED IN DESIGN: ⁹ _____

EXPLANATORY NOTES:

1. CASE NUMBER: (if known)
2. DURATION: The length of time that the water source is capable of providing adequate water during a fire condition
3. SOURCE OF WATER SUPPLY: Tank, Lake, Etc.
4. SOURCE OF WATER FLOW DATA: Person or persons who conducted test.
5. DATA AND TIME OF WATER FLOW TEST: Water flow test shall have been conducted within the past six months.
6. ANTICIPATED WATER DEMAND: Minimum water and pressure required to operate this system.
7. HAZARD CLASSIFICATION: Light, Ordinary Group 1, 2, 3, Extra Hazard Group 1, 2.
8. OCCUPANCY OF BUILDING: Mercantile, Restaurant, Office, School, Industrial Plant, etc.
9. NFPA STANDARD(S) FOLLOWED IN DESIGN: 13, 14, 22, 24, 230 etc.

I _____, verify that the fire suppression design criteria is in accordance with all applicable codes and standards adopted by the Commonwealth and that the water flow information noted above is true and accurate. I further acknowledge that I have reviewed the anticipated water demand for this system and find the actual water flow and pressure adequate to serve this system. It is understood that I will be responsible for the approval of the final shop drawings prior to their submittal to the Division of Building Codes Enforcement:

COMPANY: _____

STREET: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE: _____

AFFIX SEAL AND SIGNATURE HERE

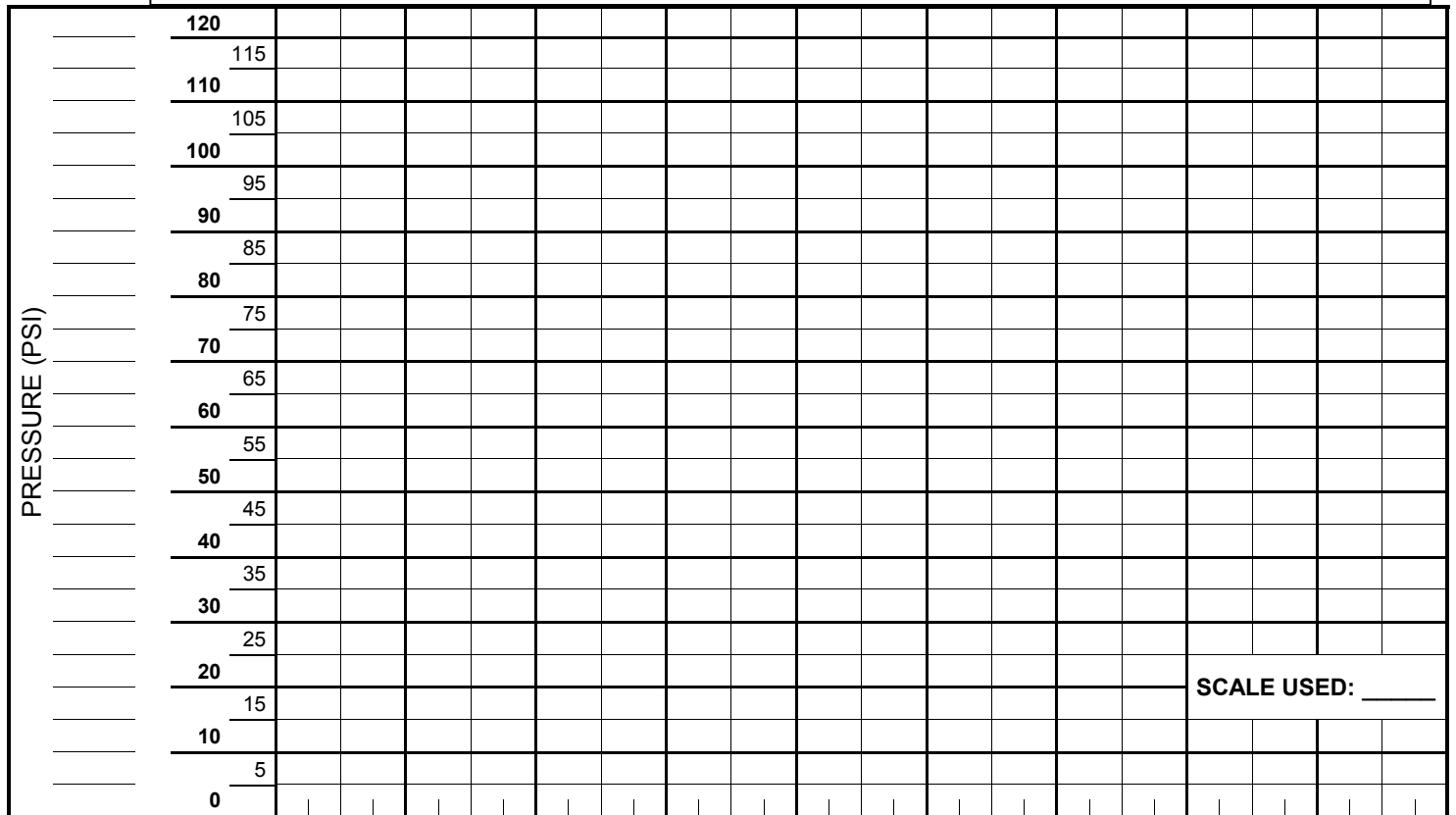
FIRE FLOW TEST DATA SHEET

STATIC PRESSURE (psi)	RESIDUAL PRESSURE (psi)	PITOT PRESSURE (psi)	FLOW (gpm)	HYDRANT NOZZLE COEFFICIENT	HYDRANT #	HYDRANT BUTT #	FLOW OPENINGS (inches)	REMARKS

INSTRUCTIONS:

1. Sketch the site showing road(s), building(s), water main(s) and location of test hydrants.
2. Record the test data in the table provided.
3. Plot the graph and determine required design data.
4. Transpose data on the Fire Suppression Design Criteria cover sheet (reverse side).

SKETCH TEST LOCATION HERE



Scale A	100	200	300	400	500	600	700	800	900
Scale B	200	400	600	800	1000	1200	1400	1600	1800
Scale C	400	800	1200	1600	2000	2400	2800	3200	3600

NOTE: Indicate scale used on graph.

FLOW - GPM