

PERMIT NO. _____

CITY OF OXNARD FIREFLOW TEST DATA

BUILDING AND ENGINEERING DIVISION

RETURN COMPLETED FORM TO: BUILDING AND ENGINEERING DIVISION
 NOTE: THIS FORM MUST BE SIGNED BY THE REGISTERED PROFESSIONAL
 (I.E., RCE OR C-16 CONTRACTOR) HAVING RESPONSIBILITY FOR THE TEST

214 S. C STREET
 OXNARD, CA 93030

LOCATIONS OF HYDRANTS: _____

PROJECT: _____ ADDRESS: _____

DEVELOPER: _____

INSPECTOR: _____ OBSERVERS: _____ FIRM: _____

ENGINEER/CONTRACTOR: _____ LIC NO./TYPE: _____

FAX: _____

PHONE: _____

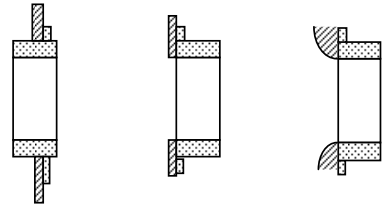
TEST NO.	LOCATION	TIME			C	DIA. (IN)	PRESSURES (psi)			FLOW RATES (gpm)	
		DATE	TIME	DAY			STATIC	PITOT	RESIDUAL	OBSERVED	ACTUAL AT 20 psi

The formula used to compute the discharge, Q in gpm from these measurements is:

$$Q = 29.83cd^2(p)^{1/2}$$

where
c = is the coefficient of discharge
d = the diameter of the outlet in inches
p = the velocity pressure in psi.

If flow tubes (stream straighteners) are being utilized a "c" of 0.95 is suggested unless the coefficient of the tube is known.

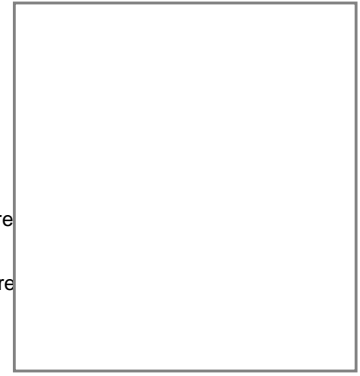


Outlet square and projecting into barrel **c = 0.70**
 Outlet square and sharp **c = 0.80**
 Outlet smooth and rounded **c = 0.90**

The formula which is generally used to compute the discharge at the specified residual pressure or for any desired pressure drop is:

$$Q_r = Q_f \times \frac{H_r^{0.54}}{H_f^{0.54}}$$

Q_r = flow available at desired residual pressure
Q_f = flow during test
H_r = pressure drop to desired residual pressure
H_f = pressure drop during test



WATER ATLAS GRID NO.

TESTING & CALCULATION CHECKED AND CERTIFIED _____ DATE _____

SEAL