

$$1'' \text{ mercury} \times .49\text{psi} = 1' \text{ water} \times .434\text{psi}$$

FEET OF HEAD WATER	INCHES OF MERCURY	FEET OF HEAD WATER	INCHES OF MERCURY	FEET OF HEAD WATER	INCHES OF MERCURY
1	0.884	11	9.72	21	18.56
2	1.76	12	10.6	22	19.44
3	2.65	13	11.49	23	20.33
4	3.52	14	12.37	24	21.21
5	4.42	15	13.26	25	22.1
6	5.29	16	14.14	26	22.98
7	6.18	17	15.02	27	23.86
8	7.07	18	15.91	28	24.75
9	7.95	19	16.79	29	25.63
10	8.84	20	17.68	30	26.52

$2 Q^2 + Q = FL$ FOR 2 1/2" HOSE
 For larger DIA. Hose us the same
 Formula X(times) the following factor

$FL = EP = FL + NP + \text{or} - \text{Elev} + \text{APPL}$
 = 5psi For Each Floor Above First
 = 10psi For Small Appl
 = 25psi For Large Appl

HOSE SIZE	FACTOR
1 3/4	6
3"	0.4
4"	0.09
5"	0.031

