ALLOWABLE LEAKAGE FOR AWWA PVC PIPE C-900

Allowable Leakage per 1000' or 50 joints: gal/hr x 2

Average Test Pressure in Line: psi

Nominal Pipe Size (in.)	150	175	200	225	250	275	300
4	0.33	0.36	0.38	0.41	0.43	0.45	0.47
6	0.50	0.54	0.57	0.61	0.64	0.67	0.70
8	0.66	0.72	0.76	0.81	0.85	0.90	0.94
10	0.83	0.89	0.96	1.01	1.07	1.12	1.17
12	0.99	1.07	1.15	1.22	1.28	1.34	1.40
14	0.83	1.25	1.34	1.42	1.50	1.57	1.64
16	1.32	1.43	1.53	1.62	1.71	1.79	1.87
18	1.49	1.61	1.72	1.82	1.92	2.02	2.11
20	1.66	1.79	1.91	2.03	2.14	2.24	2.34
24	1.99	2.15	2.29	2.43	2.56	2.69	2.81
30	2.48	2.68	2.87	3.04	3.21	3.36	3.51
36	2.98	3.22	3.44	3.65	3.85	4.03	4.21
42	3.48	3.75	4.01	4.26	4.49	4.71	4.92
48	3.97	4.29	4.59	4.86	5.13	5.38	5.62

NOTE:

To calculate the allowable leakage for the pressure test, take the total footage of each individual size of main and divide by 1000, and then multiply results by allowable leak loss per table above. This will give the allowable loss per hour which then can be multiplied by 2 hours to give the total allowable leak loss (see example below). If several pipe sizes are installed, th calculate for each size and add total quantities if performing one test.

Testing 1,180' of 8" C900 PVC pipe: 1180/1000 = 1.180 X 0.66 = .778 X 2 hrs = 1.557 gals. total allowable leak loss.

Testing 1,244' of 12" C900 and 660' of 6" C900: 1244/1000 = 1.244 x 0.99 = 1.23 X 2 hrs = 2.46 gals. Plus, 660/1000 = 0.66 X 0.50 = 0.33 X 2 hrs = 0.66 gals. For a total 3.12 gals. Of allowable leak loss.

REVISION	APPROVED	DATE

CITY OF COEUR d'ALENE STANDARD DRAWING

ALLOWABLE LEAK LOSS TABLE

APPROVED BY:

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4/13/18
DATE:

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