

Sprinkler Calculations

Node	Attached to Node	Branched? (1 if yes)	Previous Pressure	Previous Flow Q	Previous K	K	Pipe Length	Pipe Diameter	Hass Pressure	Manual Pressure	Manual Flow (GPM)
1	-	-	-		-	4.9	-	-	11.9	-	
2	1	2	11.9	16.9	4.9	0	17.167	1	13.6	13.9541	16.9
3	2	1	13.9541	16.9	0	4.9	3.667	1	13.2	13.4614	17.978
4	2	2	13.9541	16.9	0	4.9	7.25	1	16.2	14.8213	18.8642
5	4	2	14.8213	18.8642	4.9	4.9	6	1.25	17.5	15.1183	19.0523
6	5	2	15.1183	19.0523	4.9	0	13.333	1.25	15.3	15.7905	19.0523
7	6	1	15.7905	19.0523	0	4.9	20.333	1.25	12.1	14.7853	18.8413
8	7	1	14.7853	18.8413	4.9	4.9	11.25	1	9.2	13.2931	17.8653
9	8	1	13.2931	17.8653	4.9	4.9	10.5	1	8.4	12.0237	16.9909
10	5	2	15.1183	19.0523	4.9	0	27.333	2	21.1	15.2583	19.0523
11	10	1	15.2583	19.0523	0	4.9	5.5	1	20.3	14.4688	18.6386
12	10	2	15.2583	19.0523	0	4.9	22.67	2	25.3	15.3744	19.213
13	12	2	15.3744	19.213	4.9	0	5.167	2	26.5	15.4013	19.213
14	13	1	15.4013	19.213	0	4.9	12.75	1.5	23.5	15.1353	19.063
15	14	1	15.1353	19.063	4.9	4.9	12.417	1.25	20.1	14.5309	18.6785
16	15	1	14.5309	18.6785	4.9	0	8.083	1	16.4	14.53	18.6785
17	16	1	14.53	18.6785	0	4.9	4	1	15.9	13.9738	18.317
18	16	1	14.53	18.6785	0	4.9	2	2	16.4	14.5192	18.671
Fixed Loss	13	2			0	4.9	146.83	3	72.4	-	-
Source	Fixed Loss	2						4	84.4	-	-