

Calculated Data for expl_3.db

Line Label	Pipe Dia inches	Pipe Length	Flow			Head Loss		Pressure Drop psig	Velocity	
			ft ³ /s	USGPM	m ³ /s	feet	meters		ft/s	m/s
A	5.91	3281.0	2.087	936.72	0.059	183.741	56.004	79.51	10.96	3.34
B	5.91	3937.2	0.852	382.51	0.024	41.272	12.58	17.86	4.47	1.36
C	5.91	4921.5	-0.147	-65.82	-0.004	2.119	0.646	0.92	0.77	0.23
D	7.87	4921.5	0.912	409.23	0.026	14.319	4.364	6.2	2.69	0.82
E	11.81	3281.0	1.617	725.92	0.046	3.791	1.156	1.64	2.12	0.65
F	0.0	6562.0	0.0	0.0	0.0	0.019	0.006	0.01	0.0	0.0
G	9.84	393.72	-0.0	-0.08	-0.0	0.0	0.0	0.0	0.0	0.0
H	5.91	6562.0	2.147	963.52	0.061	387.646	118.154	167.74	11.27	3.44
I	5.91	3281.0	-0.529	-237.52	-0.015	14.318	4.364	6.2	2.78	0.85

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
g	0.0	0.0	715.42	218.06	309.61	44.9
e	462.0	140.0	-187.646	-57.19	-81.21	-11.78
origin	0.0	0.0	135.0	41.15	58.42	8.47
a	198.0	60.0	-48.741	-14.86	-21.09	-3.06
h	0.0	0.0	200.0	60.96	86.55	12.55
d	495.0	150.0	-191.437	-58.35	-82.85	-12.02
b	264.0	80.0	-90.013	-27.44	-38.95	-5.65
i	231.0	70.0	-63.06	-19.22	-27.29	-3.96
c	330.0	100.0	-205.756	-62.71	-89.04	-12.91

Pump Node	Head		Flow	
	feet	meters	USGPM	m ³ /hr
g	125.02	38.106	-0.08	-0.018

Fittings for line F	Quantity
Globe Valve Blow-Down	2