

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	2.045	917.7	0.058	176.742	53.871	76.48	10.74	3.27
B	5.91	3937.2	0.762	341.87	0.022	33.54	10.223	14.51	4.0	1.22
C	5.91	4921.5	-0.056	-25.18	-0.002	0.388	0.118	0.17	0.29	0.09
D	7.87	4921.5	1.002	449.86	0.028	17.033	5.192	7.37	2.96	0.9
E	11.81	3281.0	1.66	744.95	0.047	3.975	1.211	1.72	2.18	0.66
F	7.87	6691.92	-0.048	-21.61	-0.001	0.103	0.031	0.04	0.14	0.04
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	2.189	982.55	0.062	402.278	122.614	174.07	11.49	3.5
I	5.91	3281.0	-0.577	-259.13	-0.016	16.793	5.119	7.27	3.03	0.92

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
g	0.0	0.0	715.418	218.06	309.61	44.9
e	462.0	140.0	-202.278	-61.65	-87.54	-12.7
origin	0.0	0.0	135.0	41.15	58.42	8.47
a	198.0	60.0	-41.742	-12.72	-18.06	-2.62
h	0.0	0.0	200.0	60.96	86.55	12.55
d	495.0	150.0	-206.252	-62.87	-89.26	-12.95
b	264.0	80.0	-75.282	-22.95	-32.58	-4.73
i	231.0	70.0	-58.535	-17.84	-25.33	-3.67
c	330.0	100.0	-223.285	-68.06	-96.63	-14.01

Pump Node	Head		Flow	
	feet	meters	USGPM	m ³ /hr
g	125.018	38.106	-0.079	-0.018

Fittings for line F	Quantity
Ball Valve Reduced Port	2
Globe Valve Y-Pattern	2
Plug Valve 3-Way Straight	2
Butterfly Valve	2