

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	3.96	1777.4	0.112	624.007	190.197	270.02	20.79	6.34
B	5.91	3937.2	5.321	2388.06	0.151	1324.374	403.669	573.09	27.94	8.52
C	5.91	4921.5	-4.615	-2071.37	-0.131	1257.228	383.203	544.03	24.23	7.39
D	7.87	4921.5	-3.557	-1596.33	-0.101	180.278	54.949	78.01	10.5	3.2
E	11.81	3281.0	-0.256	-114.75	-0.007	0.137	0.042	0.06	0.34	0.1
F	11.81	7119.3	2.595	1164.88	0.073	19.607	5.976	8.48	3.41	1.04
G	9.84	3937.2	-0.0	-0.11	-0.0	0.0	0.0	0.0	0.0	0.0
H	5.91	6562.0	0.274	122.87	0.008	8.653	2.637	3.74	1.44	0.44
I	5.91	3281.0	2.066	927.36	0.059	180.279	54.949	78.01	10.85	3.31

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
g	0.0	0.0	715.449	218.07	309.62	2133.27
e	462.0	140.0	191.347	58.32	82.81	570.54
origin	0.0	0.0	135.0	41.15	58.42	402.53
a	198.0	60.0	-489.007	-149.05	-211.63	-1458.08
h	0.0	0.0	200.0	60.96	86.55	596.34
d	495.0	150.0	191.485	58.36	82.87	570.95
b	264.0	80.0	-1813.381	-552.72	-784.77	-5406.99
i	231.0	70.0	-308.728	-94.1	-133.61	-920.54
c	330.0	100.0	371.763	113.31	160.89	1108.49

Pump Node	Head		Flow	
	feet	meters	USGPM	m ³ /hr
g	125.049	38.115	-0.105	-0.024

Line Label	Valve Type	Set Pressure			Upstream Pressure			Downstream Pressure		
		feet	psig	kPa	feet	psig	kPa	feet	psig	kPa
F	BPV	639.6	84.39	581.87	191.48	82.76	570.64	-308.73	-133.43	-920.03

Fittings for line F	Quantity
Globe Valve Blow-Down	2