

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	6.06	3281.0	3.704	1662.6	0.105	1642.958	500.774	0.62	18.44	5.62
B	5.91	3937.2	0.706	316.69	0.02	250.738	76.425	0.09	3.7	1.13
C	5.91	4921.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D	7.87	4921.5	1.058	475.04	0.03	148.753	45.34	0.06	3.13	0.95
E	11.81	3281.0	0.0	0.05	0.0	0.002	0.001	0.0	0.0	0.0
F	12.0	6562.0	-1.764	-791.69	-0.05	61.276	18.677	0.02	2.24	0.68
G	9.84	3937.2	0.529	237.57	0.015	24.377	7.43	0.01	1.0	0.3
H	5.91	6562.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0
I	5.91	3281.0	-2.293	-1029.21	-0.065	679.052	206.975	0.26	12.04	3.67

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
g	0.0	0.0	714.4	217.75	0.27	1.85
e	462.0	140.0	200.0	60.96	0.08	0.52
origin	0.0	0.0	135.0	41.15	0.05	0.35
a	198.0	60.0	-1507.958	-459.63	-0.57	-3.91
h	0.0	0.0	200.0	60.96	0.08	0.52
d	462.0	140.0	199.998	60.96	0.08	0.52
b	264.0	80.0	-1758.697	-536.05	-0.66	-4.55
i	231.0	70.0	-2187.01	-666.6	-0.82	-5.66
c	330.0	100.0	51.245	15.62	0.02	0.13

Pump Node	Head		Flow	
	feet	meters	USGPM	m^3/hr
g	124.0	37.795	237.553	53.957

Line Label	Valve Type	Set Pressure			Upstream Pressure			Downstream Pressure		
		feet	psig	kPa	feet	psig	kPa	feet	psig	kPa
F	BPV	639.6	0.07	0.51	200.0	0.08	0.52	-2187.01	-0.82	-5.66