

Calculated Data for expl_2.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	6.0	1000.0	1.114	499.83	0.032	27.311	8.324	11.8	5.66	1.73
B	6.0	1000.0	1.075	482.44	0.03	25.459	7.76	11.0	5.47	1.67
C	6.0	800.0	-0.075	-33.61	-0.002	0.117	0.036	0.05	0.38	0.12
D	6.0	200.0	0.886	397.83	0.025	3.476	1.059	1.5	4.51	1.37
E	6.0	2000.0	0.968	434.68	0.027	41.418	12.624	17.89	4.93	1.5
F	6.0	1000.0	0.032	14.15	0.001	0.03	0.009	0.01	0.16	0.05
G	1.0	1500.0	0.007	3.25	0.0	25.575	7.795	11.05	1.33	0.4

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
origin	0.0	0.0	149.039	45.43	64.4	9.34
a	50.0	15.15	121.728	37.1	52.6	7.63
d	0.0	0.0	100.0	30.48	43.21	6.27
c	50.0	15.15	96.153	29.31	41.55	6.03
e	20.0	6.06	54.735	16.68	23.65	3.43
b	50.0	15.15	96.27	29.34	41.6	6.03

Pump Node	Head		Flow	
	feet	meters	USGPM	m ³ /hr
origin	59.039	17.995	499.798	113.524

Line Label	Valve Type	Set Pressure			Upstream Pressure			Downstream Pressure		
		feet	psig	kPa	feet	psig	kPa	feet	psig	kPa
F	PRV	55	23.76	163.85	121.73	52.53	362.18	54.73	23.62	162.85