

## Calculated Data for inline.db

Line Label	Pipe Dia inches	Pipe Length feet	Flow ft <sup>3</sup> /s	USGPM	m <sup>3</sup> /s	Head Loss ft	meters	Pressure Drop psid	Velocity ft/s	m/s
A	6.0	4563.02	1.114	500.0	0.032	81.033	24.699	35.06	5.67	1.73
B	8.0	1497.77	1.114	500.0	0.032	6.288	1.917	2.72	3.19	0.97
C	6.0	184.8	1.114	500.0	0.032	3.282	1.0	1.42	5.67	1.73

Fittings for line A	Quantity
Thread/SW 90 Deg Elbow	1
Union (Thd/SW)	2
Coupling (Thd/SW)	4
Welded Elbow Short Radius 90 Deg	1
Welded Elbow Long Radius 90 Deg	2
Ball Valve Full Port	1
Globe Valve Straight	2
Plug Valve 3-Way Branch	9
Gate Valve Full Open	1
Y-Strainer	9
Lift Check T Pattern	1
Swing Check	5

Fittings for line B	Quantity
Ball Valve Full Port	2
Plug Valve 3-Way Straight	1
Globe Valve Blow-Down	8

Fittings for line C	Quantity
Thrd Tee Flow Through Run	2
Thrd Tee Branch	1