



Pressure Calculation Worksheet Irrigation Systems Only

Complete this form for the most pressure-demanding lateral and submit it with the as-built irrigation plan.

Line	Measure	Quantity	Unit
A.	Pressure available at point-of-connection		PSI
B.	Pressure loss through the meter		PSI
C.	Pressure loss through backflow prevention device		PSI
D.	Pressure loss in mainline pipe from backflow prevention device to remote control valve		PSI
E.	Pressure loss through remote control valve		PSI
F.	Pressure loss in lateral pipe from remote control valve to remote sprinkler		PSI
G.	Elevation change from point-of-connection to most remote sprinkler.		feet
	pressure loss (multiply elevation change times 0.43)		PSI
	or		
	pressure gain (multiply elevation change times -0.43)		PSI
H.	Miscellaneous losses through other valves, strainers, etc.		PSI
I.	Total possible pressure loss (<i>add B through H</i>)		PSI
J.	Remaining pressure (<i>subtract I from A</i>)		PSI
K.	Minimum pressure required at sprinkler		PSI
L.	Difference (Subtract K from J). <ul style="list-style-type: none"> If the value is negative, a booster pump may be needed. If the value is more than > 15 psi, pressure reduction maybe necessary for this zone and/or other zones. 		PSI