

Table 3.3 Friction Loss of Forestry Hose

Friction loss comparison of the forestry hose and hose on the Forest Service qualified products lists for 5100-186 and 5100-187 in units of pounds per square inch per 100 feet.

Table 3.3 Friction Loss of Forestry Hose - [click to view larger version](#)

Flow	5/8-in Cell hose	3/4-in straight hose	3/4-in w/edge kink	1-in Cotton synthetic Imperial	Niedner Imperial	National Imperial	1-in All- synthetic Metric	Imperial	National	Niedner	1-in hose
gpm	ppf100ft	ppf100ft	ppf100ft	v100ft	ppf100ft	ppf100ft	ppf100ft	ppf100ft	ppf100ft	ppf100ft	ppf100ft
100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
250	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
350	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
450	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

Friction loss (pounds per square inch per 100 feet) in hose comparison.

Flow	1-1/2-in Cotton- synthetic 186 Imperial	National	1-1/2-in Cell synthetic 187 Metric	Imperial	National	Niedner	1-1/2-in hose	1-3/4-in hose
gpm	ppf100ft	ppf100ft	ppf100ft	ppf100ft	ppf100ft	ppf100ft	ppf100ft	ppf100ft
100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
250	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
350	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
450	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

[Please click on the table above to view a larger version.](#)