

Type of Valve or Fitting	Nominal Pipe Size in Inches								
	1/2	3/4	1	1 1/4	1 1/2	2	3	4	6
Angle globe valve fully open	8	12	15	18	22	28	40	55	80
Straight globe valve fully open	15	20	25	35	45	55	80	125	165
Gate valve fully open	0.4	0.5	0.6	0.8	1	1.3	2	2.7	4
Gate valve 3/4 open	2	2.8	4	4.6	5.3	7	10.5	14	20
Gate valve 1/2 open	11	14	17	23	27	35	50	70	100
Gate valve 1/4 open	45	60	70	90	110	140	210	280	400
Standard 90° ell	2	2.5	3	4	5	7	10	14	20
Straight run of a tee or coupling	0.6	0.8	0.9	1.2	1.5	2	3	4	6
Standard 45° ell	1.2	1.5	1.8	2.4	3	4	6	8	12
Branch of a tee	3	4	5	6	7	10	15	21	30

Table 3 - Equivalent length of straight pipe for threaded fittings (in feet).