

77 ILLINOIS ADMINISTRATIVE CODE, PART 890
ILLINOIS PLUMBING CODE

Section 890.Appendix A PLUMBING MATERIALS, EQUIPMENT, USE
RESTRICTIONS AND APPLICABLE STANDARDS

Table N Water Supply Fixture Units (W.S.F.U.) for a Supply System with Flush
Tanks

Water Supply Fixture Units (W.S.F.U.) for a Supply System with Flush Tanks

W.S.F.U.	Demand (GPM)	Pipe Size (Inches)	Pressure Loss (PSI/100' of Pipe)	Velocity (Ft./Sec.)	Meter Size (Inches)
2	2	1/2"	4.2	2.7	5/8"
4	3	1/2"	8.7	4.2	5/8"
6	5	1/2"	22.5	7.0	5/8"
8	6.5	3/4"	6.3	4.3	5/8"
10	8	3/4"	9.0	5.4	3/4"
12	9.2	3/4"	11.5	6.1	3/4"
14	10.4	3/4"	15.0	6.9	3/4"
16	11.6	3/4"	18.0	7.7	3/4"
20	14.0	1"	7.2	5.6	3/4"
25	17.0	1"	10.0	6.6	3/4"
30	20.0	1"	13.6	8.0	1"
35	22.5	1-1/4"	5.8	5.7	1"
40	25.0	1-1/4"	7.0	6.3	1"
45	27.0	1-1/4"	8.2	6.9	1"
50	29.0	1-1/4"	9.5	7.4	1"
60	32.0	1-1/2"	5.0	5.8	1-1/2"
70	35.0	1-1/2"	6.2	6.4	1-1/2"
80	38.0	1-1/2"	7.0	7.2	1-1/2"
90	41.0	1-1/2"	8.0	7.5	1-1/2"
100	43.5	1-1/2"	8.7	7.8	2"
120	48.0	2"	2.7	5.0	2"
140	52.5	2"	3.1	5.4	2"
160	57.0	2"	3.6	5.8	2"
180	61.0	2"	3.9	6.1	2"
200	65.0	2"	4.5	6.6	2"
225	70.0	2"	5.2	7.1	2"
250	75.0	2"	6.0	7.7	3"
275	80.0	2-1/2"	2.6	5.5	3"
300	85.0	2-1/2"	2.9	5.8	3"
350	95.0	2-1/2"	3.5	6.5	3"
400	105.0	2-1/2"	4.2	7.1	3"
450	115.0	2-1/2"	5.0	8.0	3"

(Appendix A/Tables-39)