

**STORAGE VOLUME OF PIPING
FOR COMPRESSED AIR SYSTEMS**

The following is the nominal storage volume for standard schedule 40 black iron pipe.				
Nominal Pipe Size	Inside diameter	gal/100'	cf/100'	cf/psig/100'
1/2"	0.622	1.58	0.21	0.015
3/4"	0.824	2.77	0.37	0.026
1"	1	4.49	0.6	0.041
1-1/2"	1.61	10.58	1.48	0.099
2"	2	17.43	2.33	0.161
2-1/2"	2.46	24.83	3.32	0.229
3"	3	38.37	5.13	0.354
4"	4	66.05	8.83	0.609
5"	5	103.82	13.88	0.957
6"	6	149.97	20.05	1.383
8"	7.98	259.63	34.71	2.394
10"	10	409.31	54.72	3.774
12"	12	592.94	79.27	5.46
14"	14	808.14	108.04	7.451