

COMMON SNOWMAKING PIPE SIZES

Pipe Wall Thicknesses, Weights and Recommended Pressure Ratings

Recommended working pressure (WP) ratings are based on API-5L grade B steel pipe at 1/2 test pressure, non-shock for plain end pipe (pressure rating is reduced for threaded or cut groove pipe).

Pipe Size (Inches)		Wall (Inches)	ASA Schedule	Weight per Foot (Lbs / FT)	GRADE B		GRADE X-42	
Nominal	O.D.				Recommended Max. WP (psi)	Recommended Max. WP (psi)	Recommended Max. WP (psi)	Recommended Max. WP (psi)
2	2.375	0.154	40/STD	3.65		1250		
		0.218	80/XH	5.02		1250		
2 1/2	2.875	0.203	40/STD	5.79		1250		
		0.276	80/XH	7.66		1250		
3	3.500	0.216	40/STD	7.58		1250		
4	4.500	0.188				875		
		0.219		8.66		1020		
		0.237	40/STD	10.01		1105		1225
6	6.625	0.188		8.66		745		
		0.219		10.79		870		
		0.250		12.92		990		1040
		0.280	40/STD	14.98		1110		1190
8	8.625	0.250		16.94		570		
		0.277		19.66		665		
		0.312	20	22.36		760		800
		0.322	30	24.70		845		915
		0.322	40/STD	27.70		950		1140
		0.322	40/STD	28.55		980		
10	10.750	0.219		24.63		535		725
		0.250	20	28.04		610		830
		0.279		31.20		680		925
		0.307	30	34.24		750		1020
		0.365	40/STD	40.48		890		
12	12.750	0.219		29.31		450		615
		0.250	20	33.38		515		700
		0.281		37.42		580		
		0.312		41.45		640		875
		0.375	STD	49.56		770		1050
14	14.000	0.312	20	45.61		585		
		0.375	30/STD	54.57		705		
16	16.000	0.312	20	52.27		510		695
		0.375	30/STD	62.58		615		835
18	18.000	0.312	20	58.94		455		620
		0.375	STD	70.59		545		745

Notes:

- 1.) Recommended working pressure ratings are for reference only. Actual pressure ratings should be verified by a qualified engineer for specific job conditions.
- 2.) Consider wall thickness corrosion allowance when studying WP ratings.
- 3.) For higher working pressure ratings at reduced wall thickness, Grade X-42 steel pipe or better could be an option.