

# Gas Distribution Sizing Chart - MDPE

MDPE - IPS Sizing		DR 9.33			DR 11			DR 11.5			DR 13.5		
Pressure Rating		120 psi			100 psi			95 psi			80 psi		
Pipe Size	Actual OD	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight
in.	in.	in.	in.	lb/ft	in.	in.	lb/ft	in.	in.	lb/ft	in.	in.	lb/ft
1/2	0.84	0.090	0.649	0.09	0.076	0.678	0.08	0.073	0.685	0.08	0.062	0.708	0.07
3/4	1.05	0.113	0.811	0.14	0.095	0.848	0.12	0.091	0.856	0.12	0.078	0.885	0.10
1	1.315	0.141	1.016	0.22	0.120	1.062	0.19	0.114	1.073	0.19	0.097	1.108	0.16
1 1/4	1.66	0.178	1.283	0.35	0.151	1.340	0.31	0.144	1.354	0.29	0.123	1.399	0.25
1 1/2	1.90	0.204	1.468	0.46	0.173	1.534	0.40	0.165	1.550	0.39	0.141	1.602	0.33
2	2.375	0.255	1.835	0.73	0.216	1.917	0.63	0.207	1.937	0.60	0.176	2.002	0.52
3	3.50	0.375	2.705	1.58	0.318	2.825	1.36	0.304	2.855	1.31	0.259	2.950	1.13
4	4.50	0.482	3.477	2.61	0.409	3.633	2.26	0.391	3.670	2.17	0.333	3.793	1.87
6	6.63	0.711	5.124	5.66	0.603	5.352	4.90	0.577	5.408	4.70	0.491	5.589	4.07
8	8.63	0.925	6.669	9.59	0.785	6.967	8.29	0.750	7.039	7.97	0.639	7.275	6.89
10	10.75	1.152	8.307	14.88	0.977	8.678	12.87	0.935	8.768	12.37	0.796	9.062	10.69
12	12.75	1.367	9.853	20.94	1.159	10.293	18.10	1.109	10.400	17.40	0.944	10.748	15.04

Pipe sizing per ASTM D2513 . Pressure Class calculations based on 0.4 DF at 73F per DOT 49 CFR §192.121. Average ID is approximate. Weights calculated based on PPI TR-7.

MDPE - IPS Sizing		DR 7			DR 9			DR 10			DR 15.5		
Pressure Rating		125 psi			120 psi			110 psi			60 psi		
Pipe Size	Actual OD	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight
in.	in.	in.	in.	lb/ft	in.	in.	lb/ft	in.	in.	lb/ft	in.	in.	lb/ft
2	2.375	0.339	1.656	0.93									
3	3.50	0.500	2.440	2.01	0.389	2.676	1.63						
4	4.50	0.643	3.137	3.33	0.500	3.440	2.69	0.450	3.546	2.45	0.290	3.885	1.65
6	6.63	0.947	4.622	7.22	0.737	5.068	5.84	0.663	5.224	5.33	0.428	5.723	3.58
8	8.63	1.233	6.016	12.24	0.959	6.597	9.90	0.863	6.800	9.03	0.557	7.450	6.07
10	10.75				1.194	8.218	15.36	1.075	8.471	14.01	0.694	9.280	9.42
12	12.75							1.275	10.047	19.70	0.823	11.006	13.25

Pipe sizing per ASTM D2513 . Pressure Class calculations based on 0.4 DF at 73F per DOT 49 CFR §192.121. Average ID is approximate. Weights calculated based on PPI TR-7.