

# AQUAFUSE HDPE PIPING SYSTEMS



## AQUAFUSE HDPE PIPE



**AquaFuse**® High-density polyethylene (HDPE) pipe is the perfect choice of piping materials for many applications serving irrigation, oil & gas gathering, potable water, wastewater, mining & industrial systems, and natural gas distribution. HDPE pipe resists chemicals, corrosion, physical damage, and more to provide a long-term, cost-effective piping system.

With AquaFuse, we specialize in producing HDPE pipe that meets the needs of our customers and complies with strict industry and safety regulations. With access to various state of the art manufacturing locations across the United States capable of producing over 1 billion pounds of HDPE pipe each year. This enables AquaFuse to produce a high-quality product at the lowest cost so that customer orders are fulfilled quickly and efficiently.

Municipal piping systems need to comply with strict NSF, AWWA, ASTM, and ISO standards to transport potable water to homes across their communities safely. Our HDPE piping is safe, leak-free, requires little-to-no maintenance, reliable performance, resistant to disinfectants, and has a 100-Year Service Life. AquaFuse HDPE pipes are designed to optimize system flow rates in potable water transmission and distribution systems.

AquaFuse pipe is available in diameters from 1" to 54", as well as larger sizes upon request. Pipe can be ordered in coils, reels, or sticks. Longer coil lengths eliminate multiple joints. AquaFuse is rated for recurring pressure surges of 1.5 times the rated pressure, and occasional pressure surges of 2 times the rated pressure. This eliminates the water hammer concerns that can cause other piping systems to fail.



AquaFuse HDPE Piping Systems													
IPS Size (inch)	AVG OD	DR	7	7.3	9	11	13.5	15.5	17	19	21	26	32.5
		PR	336	320	252	202	161	139	126	112	101	81	64
1	1.315	Min Wall	0.188	0.180	0.146	0.120							
		Avg ID	0.917	0.933	1.005	1.062							
		lb/ft	0.288	0.278	0.232	0.195							
1 ¼	1.660	Min wall	0.237	0.227	0.184	0.151							
		Avg ID	1.157	1.178	1.269	1.340							
		lb/ft	0.459	0.442	0.369	0.310							
1½	1.900	Min wall	0.271	0.260	0.211	0.173							
		Avg ID	1.325	1.348	1.452	1.534							
		lb/ft	0.600	0.580	0.485	0.406							
2	2.375	Min wall	0.339	0.325	0.264	0.216	0.176	0.153	0.140				
		Avg ID	1.656	1.685	1.816	1.917	2.002	2.050	2.079				
		lb/ft	0.939	0.906	0.758	0.634	0.526	0.462	0.425				
2½	2.875	Min wall	0.411	0.394	0.319	0.261	0.213	0.185	0.169				
		Avg ID	2.004	2.040	2.198	2.321	2.424	2.482	2.516				
		lb/ft	1.377	1.329	1.109	0.928	0.771	0.677	0.622				
3	3.500	Min wall	0.500	0.479	0.389	0.318	0.259	0.226	0.206	0.184	0.167		
		Avg ID	2.440	2.484	2.676	2.825	2.950	3.021	3.064	3.109	3.147		
		lb/ft	2.040	1.968	1.646	1.376	1.141	1.006	0.923	0.830	0.757		
4	4.500	Min wall	0.643	0.616	0.500	0.409	0.333	0.290	0.265	0.237	0.214	0.173	0.138
		Avg ID	3.137	3.193	3.440	3.633	3.793	3.885	3.939	3.998	4.046	4.133	4.206
		lb/ft	3.372	3.253	2.720	2.275	1.887	1.660	1.526	1.374	1.247	1.018	0.819
5	5.563	Min wall	0.795	0.762	0.618	0.506	0.412	0.359	0.327	0.293	0.265	0.214	0.171
		Avg ID	3.878	3.947	4.253	4.491	4.689	4.802	4.869	4.942	5.001	5.109	5.200
		lb/ft	5.154	4.975	4.156	3.479	2.886	2.540	2.328	2.100	1.909	1.557	1.254

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AquaFuse HDPE Piping Systems (continued)													
IPS Size (inch)	AVG OD	DR	7	7.3	9	11	13.5	15.5	17	19	21	26	32.5
		PR	336	320	252	202	161	139	126	112	101	81	64
6	6.625	Min wall	0.946	0.908	0.736	0.602	0.491	0.427	0.390	0.349	0.315	0.255	0.204
		Avg ID	4.619	4.701	5.064	5.348	5.585	5.719	5.799	5.886	5.956	6.085	6.193
		lb/ft	7.305	7.059	5.894	4.930	4.095	3.599	3.307	2.978	2.703	2.209	1.781
7	7.125	Min wall							0.419	0.375	0.339	0.274	0.219
		Avg ID							6.236	6.330	6.406	6.544	6.660
		lb/ft							3.821	3.442	3.128	2.553	2.057
8	8.625	Min wall	1.232	1.182	0.958	0.784	0.639	0.556	0.507	0.454	0.411	0.332	0.265
		Avg ID	6.013	6.120	6.593	6.963	7.271	7.445	7.549	7.663	7.754	7.922	8.062
		lb/ft	12.385	11.963	9.988	8.359	6.939	6.100	5.597	5.044	4.591	3.744	3.012
10	10.750	Min wall	1.536	1.473	1.194	0.977	0.796	0.694	0.632	0.566	0.512	0.413	0.331
		Avg ID	7.494	7.628	8.218	8.678	9.062	9.280	9.409	9.551	9.665	9.873	10.049
		lb/ft	19.245	18.581	15.515	12.983	10.774	9.490	8.695	7.838	7.128	5.805	4.689
12	12.750	Min wall	1.821	1.747	1.417	1.159	0.944	0.823	0.750	0.671	0.607	0.490	0.392
		Avg ID	8.889	9.047	9.747	10.293	10.748	11.006	11.160	11.327	11.463	11.710	11.918
		lb/ft	27.062	26.138	21.837	18.267	15.155	13.348	12.238	11.021	10.023	8.169	6.587
14	14.000	Min wall	2.000	1.918	1.556	1.273	1.037	0.903	0.824	0.737	0.667	0.538	0.431
		Avg ID	9.760	9.934	10.702	11.302	11.801	12.085	12.254	12.438	12.587	12.858	13.087
		lb/ft	32.635	31.511	26.329	22.030	18.279	16.082	14.763	13.292	12.093	9.848	7.952
16	16.000	Min wall	2.286	2.192	1.778	1.455	1.185	1.032	0.941	0.842	0.762	0.615	0.492
		Avg ID	11.154	11.353	12.231	12.916	13.487	13.812	14.005	14.215	14.385	14.695	14.956
		lb/ft	42.629	41.157	34.364	28.777	23.872	21.005	19.269	17.355	15.789	12.866	10.375
18	18.000	Min wall	2.571	2.466	2.000	1.636	1.333	1.161	1.059	0.947	0.857	0.692	0.554
		Avg ID	12.549	12.773	13.760	14.531	15.173	15.538	15.755	15.992	16.183	16.532	16.826
		lb/ft	53.940	52.089	43.513	36.403	30.210	26.584	24.395	21.959	19.977	16.286	13.142

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		PR	336	320	252	202	161	139	126	112	101	81	64
20	20.000	Min wall	2.857	2.740	2.222	1.818	1.481	1.290	1.176	1.053	0.952	0.769	0.615
		Avg ID	13.943	14.192	15.289	16.145	16.859	17.265	17.506	17.768	17.981	18.369	18.695
		lb/ft	66.599	64.307	53.715	44.947	37.294	32.820	30.102	27.129	24.658	20.109	16.211
22	22.000	Min wall	3.143	3.014	2.444	2.000	1.630	1.419	1.294	1.158	1.048	0.846	0.677
		Avg ID	15.337	15.611	16.818	17.760	18.545	18.991	19.256	19.545	19.779	20.206	20.565
		lb/ft	80.591	77.812	64.991	54.391	45.149	39.712	36.433	32.818	29.858	24.335	19.629
24	24.000	Min wall	3.429	3.288	2.667	2.182	1.778	1.548	1.412	1.263	1.143	0.923	0.738
		Avg ID	16.731	17.030	18.347	19.375	20.231	20.717	21.007	21.322	21.577	22.043	22.434
		lb/ft	95.916	92.603	77.365	64.735	53.726	47.260	43.369	39.049	35.525	28.963	23.344
26	26.000	Min wall		3.562	2.889	2.364	1.926	1.677	1.529	1.368	1.238	1.000	0.800
		Avg ID		18.449	19.876	20.989	21.917	22.444	22.758	23.099	23.375	23.880	24.304
		lb/ft		110.769	92.535	77.440	64.261	56.532	51.856	46.701	42.486	34.648	27.940
28	28.000	Min wall			3.111	2.545	2.074	1.806	1.647	1.474	1.333	1.077	0.862
		Avg ID			21.404	22.604	23.603	24.170	24.508	24.876	25.173	25.717	26.174
		lb/ft			107.312	89.785	74.522	65.563	60.154	54.189	49.266	40.187	32.421
30	30.000	Min wall			3.333	2.727	2.222	1.935	1.765	1.579	1.429	1.154	0.923
		Avg ID			22.933	24.218	25.289	25.897	26.259	26.653	26.971	27.554	28.043
		lb/ft			123.183	103.076	85.543	75.264	69.068	62.196	56.585	46.135	37.196
32	32.000	Min wall			3.556	2.909	2.370	2.065	1.882	1.684	1.524	1.231	0.985
		Avg ID			24.462	25.833	26.975	27.623	28.009	28.429	28.770	29.391	29.913
		lb/ft			140.183	117.285	97.324	85.672	78.557	70.755	64.370	52.494	42.340
34	34.000	Min wall				3.091	2.519	2.194	2.000	1.789	1.619	1.308	1.046
		Avg ID				27.447	28.661	29.350	29.760	30.206	30.568	31.228	31.782
		lb/ft				132.411	109.905	96.714	88.700	79.865	72.657	59.264	47.773

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		PR	336	320	252	202	161	139	126	112	101	81	64
36	36.000	Min wall				3.273	2.667	2.323	2.118	1.895	1.714	1.385	1.108
		Avg ID				29.062	30.347	31.076	31.511	31.983	32.366	33.065	33.652
		lb/ft				148.454	123.208	108.424	99.457	89.571	81.446	66.444	53.581
36	36.000	Min wall				3.273	2.667	2.323	2.118	1.895	1.714	1.385	1.108
		Avg ID				29.062	30.347	31.076	31.511	31.983	32.366	33.065	33.652
		lb/ft				148.454	123.208	108.424	99.457	89.571	81.446	66.444	53.581
42	42.000	Min wall					3.111	2.710	2.471	2.211	2.000	1.615	1.292
		Avg ID					35.404	36.255	36.762	37.314	37.760	38.575	39.260
		lb/ft					167.675	147.568	135.372	121.925	110.874	90.393	72.893
48	48.000	Min wall						3.097	2.824	2.526	2.286	1.846	1.477
		Avg ID						41.435	42.014	42.644	43.154	44.086	44.869
		lb/ft						192.774	176.813	159.198	144.833	118.082	95.233
54	54.000	Min wall							3.176	2.842	2.571	2.077	1.662
		Avg ID							47.266	47.975	48.549	49.597	50.478
		lb/ft							223.713	201.502	183.253	149.464	120.556

\* For pipes larger than 54", please call **CMF Global** at **1-619-869-8919** for specifications and availability.