



**P&F**  
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HDPE PIPE IS OUR BUSINESS



# Total Piping Solution for Municipal, Industrial and Irrigation Applications

## Lowest Total Cost of Ownership

Lowest life cycle cost of any piping material when accounting for all costs: direct, indirect and operational costs

## Installation Flexibility – So Many Choices

Durable, lightweight and flexible paves way for trench and trenchless installation methods whether above, below grade or under rivers, lakes and obstacles

## Environmental and Health Friendly

HDPE is potable water safe per NSF 14/61 and is manufactured, used and recycled without the emission of pollutants and toxins into the environment

## 50+ Year Rated – Same Pipe New and Old

Hydrostatic design basis is established per ASTM D2837 to provide high confidence interval of lifetime material performance

## Consistent Pipe Joint Solution

Fusion joints are leak-free, fully restrained, homogenous, and repeatable through the innovative butt, socket, saddle and electrofusion joining methodology of ASTM F2620 and ASTM F1290 – When equipped with a Data Logging Device, joint information become fully transparent and worry-free

## Seismic Resistant Pipe

HDPE materials's high strain allowance combined with the lowest force generation provides a critical lifeline and complete piping solution to seismically active regions

Please Contact for Additional Technical Information or Tailored Presentation

**NORTHERN CALIFORNIA**  
511 Tunnel Avenue  
Brisbane, CA 94005  
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1304 E. San Bernardino Ave  
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**CENTRAL CALIFORNIA**  
4039-C Well Tech Way  
Bakersfield, CA 93308  
661.589.7300

# High Density Polyethylene Pipe Common Sizing

## HDPE - PE 100/4710

HDPE - IPS Sizing		DR 7*			DR 9*			DR 11*			DR 17		
Pressure Class		335 psi			250 psi			200 psi			125 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
3/4	1.05	0.150	0.732	0.19	0.117	0.803	0.15	0.095	0.848	0.13	0.062	0.919	0.08
1	1.315	0.188	0.917	0.29	0.146	1.005	0.23	0.120	1.062	0.20	0.077	1.151	0.13
1 1/4	1.66	0.237	1.157	0.46	0.184	1.269	0.37	0.151	1.340	0.31	0.098	1.453	0.21
1 1/2	1.90	0.271	1.325	0.61	0.211	1.452	0.49	0.173	1.534	0.41	0.112	1.663	0.28
2	2.375	0.339	1.656	0.95	0.264	1.816	0.77	0.216	1.917	0.64	0.140	2.079	0.43
3	3.50	0.500	2.440	2.06	0.389	2.676	1.66	0.318	2.825	1.39	0.206	3.064	0.94
4	4.50	0.643	3.137	3.40	0.500	3.440	2.75	0.409	3.633	2.31	0.265	3.939	1.55
6	6.625	0.946	4.619	7.37	0.736	5.064	5.96	0.602	5.348	5.00	0.390	5.799	3.36
8	8.625	1.232	6.013	12.50	0.958	6.593	10.11	0.784	6.963	8.47	0.507	7.549	5.69
10	10.75	1.536	7.494	19.42	1.194	8.218	15.70	0.977	8.678	13.16	0.632	9.409	8.83
12	12.75	1.821	8.889	27.31	1.417	9.747	22.08	1.159	10.293	18.51	0.750	11.160	12.43
14	14	2.000	9.760	32.93	1.556	10.702	26.63	1.273	11.302	22.32	0.824	12.254	14.98
16	16	2.286	11.154	43.01	1.778	12.231	34.78	1.455	12.916	29.15	0.941	14.005	19.57
18	18	2.571	12.549	54.43	2.000	13.760	44.02	1.636	14.531	36.89	1.059	15.755	24.77
20	20	2.857	13.943	67.20	2.222	15.289	54.34	1.818	16.145	45.54	1.176	17.506	30.58
22	22	3.143	15.337	81.32	2.444	16.818	65.75	2.000	17.760	55.10	1.294	19.256	37.00
24	24	3.429	16.731	96.77	2.667	18.347	78.25	2.182	19.375	65.58	1.412	21.007	44.03
26	26	3.714	18.126	113.57	2.889	19.876	91.84	2.364	20.989	76.96	1.529	22.758	51.67
28	28	4.000	19.520	131.72	3.111	21.404	106.51	2.545	22.604	89.26	1.647	24.508	59.93
30	30				3.333	22.933	122.27	2.727	24.218	102.47	1.765	26.259	68.80
32	32				3.556	24.462	139.12	2.909	25.833	116.58	1.882	28.009	78.28
34	34				3.778	25.991	157.05	3.091	27.447	131.61	2.000	29.760	88.37
36	36				4.000	27.520	176.07	3.273	29.062	147.55	2.118	31.511	99.07
42	42							3.818	33.905	200.84	2.471	36.762	134.84
48	48										2.824	42.014	176.12
54	54										3.176	47.266	222.90
63	63										3.706	55.144	303.40

Pipe sizing per ASTM F714 (> 4") and ASTM D3035 (≤ 3") . Pressure Class calculations based on Water applications at 73F. Average ID is approximate. Weights calculated based on PPI TR-7. \*Compliance to FM 1613

## Molded and Fabricated Fittings

### HDPE – PE 100/4710

HDPE Pipe (3/4" – 63")  
 MDPE Pipe (3/4" – 12")  
 PERT (High Temperature PE)  
 High Abrasion PE Pipe  
 Electrofusion  
 Fusion Equipment and Tools  
 Bead Trimmer  
 Custom Fabrication

Elbows  
 Tees  
 Branch/Service Saddle  
 Tapping Tee  
 Caps and Couplers  
 Reducers  
 Lateral Wye  
 Cross

Trasition Fittings  
 MJ Adapter  
 Poly Valves  
 Wall Anchor  
 Blind Flange  
 Flange Adapter With Backup Rings  
 Clean Out & Caps

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