

GSC ENERGY PRO

Geothermal Systems Data Sheet

IPS PIPE SIZES & PRESSURE RATINGS - PE4710

IPS SIZE ¹	AVG OD, in	DR PR ² , psi	9 250	11 200	15.5 140
0.75"	1.050"	Min Wall, in	0.117	0.095	
		Avg ID ³ , in	0.827	0.874	
		Weight, lb/ft	0.150	0.120	
		Vol, Gal/ft	0.0272	0.0302	
1.00"	1.315"	Min Wall, in	0.146	0.120	
		Avg ID ³ , in	1.005	1.062	
		Weight, lb/ft	0.232	0.195	
		Vol, Gal/ft	0.0427	0.0471	
1.25"	1.660"	Min Wall, in	0.184	0.151	
		Avg ID ³ , in	1.269	1.340	
		Weight, lb/ft	0.369	0.310	
		Vol, Gal/ft	0.0681	0.0752	
1.50"	1.900"	Min Wall, in	0.211	0.173	
		Avg ID ³ , in	1.452	1.534	
		Weight, lb/ft	0.485	0.406	
		Vol, Gal/ft	0.0891	0.0985	
2.00"	2.375"	Min Wall, in	0.264	0.216	
		Avg ID ³ , in	1.816	1.917	
		Weight, lb/ft	0.758	0.634	
		Vol, Gal/ft	0.1392	0.1540	
3.00"	3.500"	Min Wall, in	0.389	0.318	0.226
		Avg ID ³ , in	2.676	2.825	3.021
		Weight, lb/ft	1.646	1.376	1.006
		Vol, Gal/ft	0.3023	0.3347	0.3790
4.00"	4.500"	Min Wall, in	0.500	0.409	0.290
		Avg ID ³ , in	3.440	3.633	3.885
		Weight, lb/ft	2.720	2.275	1.660
		Vol, Gal/ft	0.4998	0.5531	0.6269
6.00"	6.625"	Min Wall, in	0.736	0.602	0.427
		Avg ID ³ , in	5.064	5.348	5.719
		Weight, lb/ft	5.894	4.930	3.599
		Vol, Gal/ft	1.0834	1.1990	1.3588
8.00"	8.625"	Min Wall, in	0.958	0.784	0.556
		Avg ID ³ , in	6.593	6.963	7.445
		Weight, lb/ft	9.988	8.359	6.100
		Vol, Gal/ft	1.8364	2.0319	2.3030
10.00"	10.750"	Min Wall, in	1.194	0.977	0.694
		Avg ID ³ , in	8.218	8.678	9.280
		Weight, lb/ft	15.515	12.983	9.490
		Vol, Gal/ft		3.1567	3.5760
12.00"	12.750"	Min Wall, in	1.417	1.159	0.823
		Avg ID ³ , in	9.747	10.293	11.006
		Weight, lb/ft	21.837	18.267	13.348
		Vol, Gal/ft		4.4401	5.0306

1. IPS sizes below IPS 4 per ASTM D3035; IPS sizes IPS 4 and larger per ASTM F714. 2. Pressure Rating (PR) in psi for water at 73°F and will vary for other fluids and temperatures. 3. Calculated Avg ID = Avg OD - (2.12 x min wall), and is for estimating fluid flow. Pipe ID is approximate, not a specification dimension. Contact us for any sizes or ratings not in this publication. The information in this publication does not constitute a guarantee or warranty for piping installations and cannot be guaranteed because of the conditions of use are beyond our control. The User of this information assumes all risk associated with its use. Changes to this publication may occur from time to time without notice.



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