

PIPE IDENTITY BY SIZE

The following table based on the historical pipe purchases by the Company, indicates the probable types of pipes that could be found for various sizes:

<u>PURCHASE DATE</u>	<u>SIZE</u>	<u>TYPE PIPE</u>	<u>JOINT EFFICIENCY</u>	<u>APPROXIMATE YIELD STRENGTH PSI</u>
1920/1927	3/4" - 4"	Butt Weld	.60	28,000
	6" and Larger	Lap Weld	.80	28,000
1927/1930	3/4" - 4"	Butt Weld	.60	28,000
	6" and Larger	Lap Weld	.80	28,000
	6" and Larger	Seamless	1.00	30,000
	20" - 26"	Single Submerged Arc Weld and A.O. Smith Process	.80	33,000
1930/1948	3/4" - 4"	Butt Weld	.60	28,000
	3/4" - 24"	Seamless	1.00	30,000
	20" - 24"	Single Submerged Arc Weld	.80	up to 39,000
1941/1948	6" - 16"	Elec. Resistance Weld	1.00	30,000
1949/1974	10" - 18"	Elec. Res. Weld	1.00	42,000 - 52,000
	3/4" - 12"	Seamless	1.00	35,000
	16" - 24"	Seamless	1.00	35,000 - 42,000
	18" - 36"	Double Submerged Arc Weld (Expanded)	1.00	42,000 - 60,000
1949/1972	3/4" - 3"	Butt Weld	.60	25,000 - 28,000
	4" - 8"	Elec. Res. Weld	1.00	35,000 - 42,000
1973/1974	3/4" - 3"	Butt Weld	.60	25,000
	3" - 8"	Elec. Res. Weld	1.00	42,000
1975 to date	3/4" - 2"	Butt Weld	.60	25,000
	3" - 8"	Elec. Res. Weld	1.00	35,000 - 42,000
	10" - 18"	Elec. Res. Weld	1.00	42,000 - 60,000
	3/4" - 12"	Seamless	1.00	35,000
	18" - 42"	Double Submerged Arc Weld (Expanded)	1.00	42,000 - 65,000

Note: Years in which a type pipe was installed may not agree completely with this standard due to special purchases, or older pipe being held in inventory.

P G & E CO.

SHEET 12 OF 12 SHEETS

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