

Number of Square Feet of Heating surface in
100 Lineal Feet of Standard Iron Pipe.

From 1 to 6 Inch Diameter.

Pipe	Square Feet	Pipe	Square Feet
1 inch	34.43	3½ inch	104.72
1¼ "	43.30	4 "	117.81
1½ "	49.75	4½ "	130.90
2 "	62.17	5 "	145.64
2½ "	75.26	6 "	173.44
3 "	91.63		

Pressure of Water for each Foot in Height.

Feet in Height	Pounds Per Sq. In.	Feet in Height	Pounds Per Sq. In.	Feet in Height	Pounds Per Sq. In.
1	.43	15	6.49	50	21.65
2	.86	20	8.66	70	30.32
5	2.16	25	10.82	80	34.55
10	4.33	40	17.32	100	43.31

Temperature of Steam at Different Pressures.

Pressure Sq're Inch	Temperature	Pressure Sq're Inch	Temperature	Pressure Sq're Inch	Temperature
0 pound	212	4 pounds	225	20 pounds	257
1 "	215	5 "	228	25 "	265
2 pounds	219	10 "	240	50 "	297
3 "	222	15 "	250	100 "	338

Table Showing Expansion Wrought Iron Pipe

Temperature of Air when Pipe is Fitted	Length of Pipe when Fitted	Length of Pipe when Heated to							
		215		265		297		338	
		Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.
Zero	100 feet	100	1.72	100	2.12	100	2.31	100	2.70
32	100 feet	100	1.47	100	1.78	100	2.12	100	2.45
64	100 feet	100	1.21	100	1.61	100	1.87	100	2.18