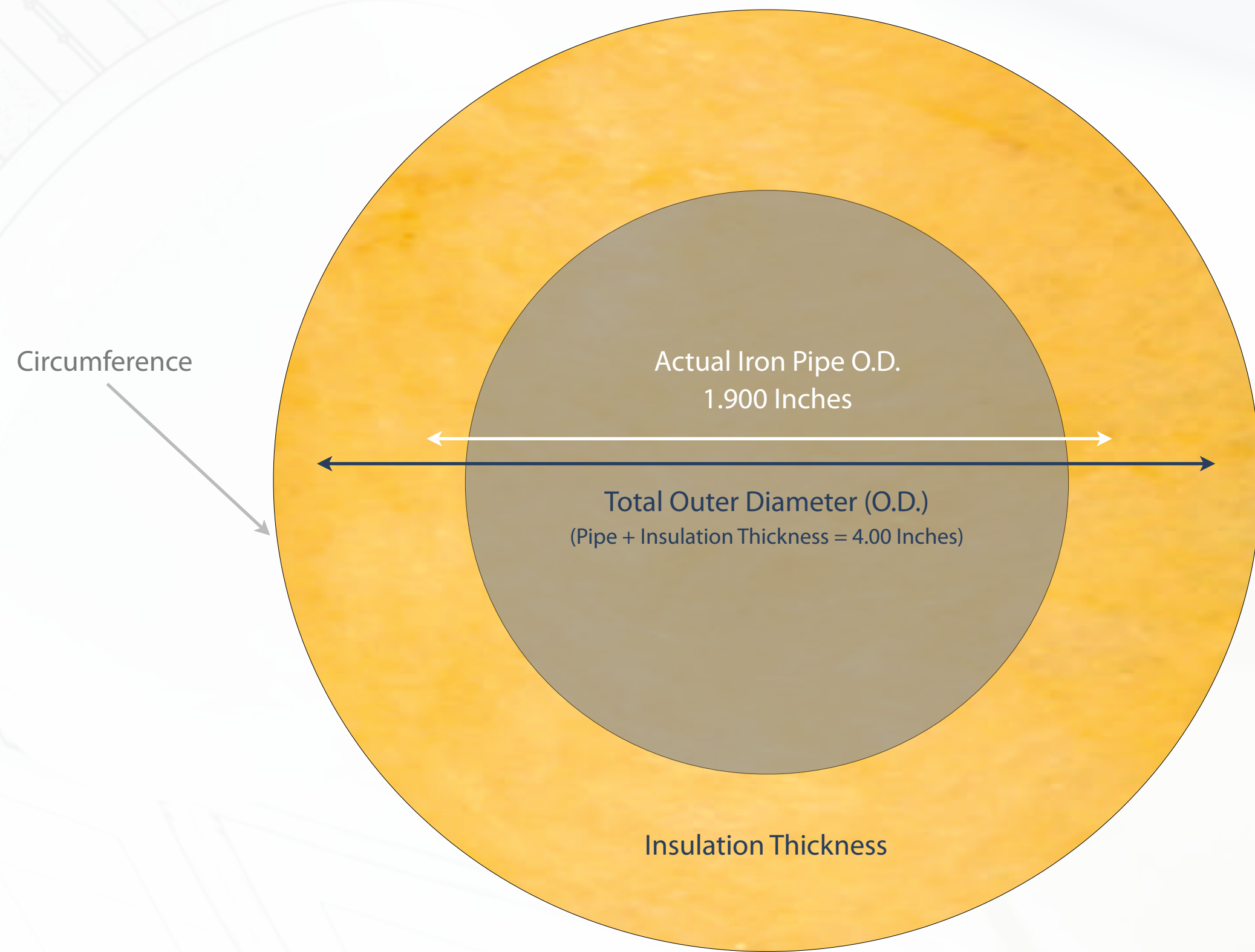


What size material do I need?

Materials Sizing.

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Sample Iron Pipe Size 1 1/2" with 1" insulation thickness

1 1/2" Iron Pipe Nominal Size = 1.90 Actual O.D. in Inches (Reference Size Chart)

Sample Size Chart

Iron Pipe Size (IPS) *note differences due to rounding

IPS	O.D.	1/2"	1"
3/4"	1.050	2.13	2.88
1"	1.315	2.38	3.50
1 1/4"	1.660	2.66	3.50
1 1/2"	1.900	2.88	4.00

Yes

Yes

When combined with 1" insulation thickness the O.D. = 4.00 Inches

The distance around a circle is called the circumference. The distance across a circle through the center is called the diameter. PI is the ratio of the circumference of a circle to its diameter. Thus for any circle, if you divide the circumference by its diameter, you obtain a value close to PI. This relationship is expressed in the following formula: Circumference/Diameter = PI.

Specific Example:

You measure around an iron pipe and determine that the circumference is 5.969026 inches. The diameter is then calculated by dividing 5.969026 inches by PI. This yields a result of 1.900 inches which equates to the nominal pipe size of 1 1/2 inch as seen on the size chart.

You then simply determine the insulation thickness that you will need and you are ready to order e.g., 1 1/2" x 1" etc.

Note that PI equals 3.14159265358979.



What size material do I need?

Fiberglass Graphic.

Insulation Sizing (IPS)							
IPS	Actual O.D.	1/2"	1"	1.5"	2"	2.5"	3"
1/2"	0.840	1.88	2.88	4.00	5.00		
3/4"	1.050	2.13	2.88	4.00	4.00		
1"	1.315	2.38	3.50	4.50	5.00		
1 1/4"	1.660	2.66	3.50	5.00	5.56		
1 1/2"	1.900	2.88	4.00	5.00	6.62		
2"	2.375	3.50	4.50	5.56	6.62	7.62	8.62
2 1/2"	2.875	4.00	5.00	6.62	7.62	8.62	9.62
3"	3.500	4.50	5.56	6.62	7.62	8.62	9.62
3 1/2"	4.000	5.56	6.62	7.62	8.62	9.62	10.75
4"	4.500	5.56	6.62	7.62	8.62	9.62	10.75
4.5"	5.000	6.63	7.62	8.62	9.62	10.75	11.75
5"	5.563	6.63	7.62	8.62	9.62	10.75	11.75
6"	6.625	7.63	8.62	9.62	10.75	11.75	12.75
7"	7.625		10.75	10.75	11.75	12.75	14.00
8"	8.625		10.75	11.75	12.75	14.00	15.00
9"	9.625		11.75	12.75	14.00	15.00	16.00
10"	10.750		12.75	14.00	15.00	16.00	17.00
11"	11.750		14.00	15.00	16.00	17.00	18.00
12"	12.750		15.00	16.00	17.00	18.00	19.00
14"	14.000		16.00	17.00	18.00	19.00	20.00
15"	15.000		17.00	18.00	19.00	20.00	21.00
16"	16.000		18.00	19.00	20.00	21.00	22.00
17"	17.000		19.00	20.00	21.00	22.00	23.00
18"	18.000		20.00	21.00	22.00	23.00	24.00
19"	19.000		21.00	22.00	23.00	24.00	25.00
20"	20.000		22.00	23.00	24.00	25.00	26.00
21"	21.000		23.00	24.00	25.00	26.00	27.00
22"	22.000		24.00	25.00	26.00	27.00	28.00

Insulation Sizing (CTS)							
CTS	Actual O.D.	1/2"	1"	1.5"	2"	2.5"	3"
5/8"	0.6250	1.88	2.88	3.50			
7/8"	0.8750	1.88	2.88	4.00	5.00		
1 1/8"	1.1250	2.13	2.88	4.00	5.00		
1 3/8"	1.3750	2.38	3.50	4.50	5.56		
1 5/8"	1.6250	2.66	3.50	5.00	5.56		
2 1/8"	2.1250	3.50	4.00	5.00	6.62		
2 5/8"	2.6250	4.00	4.50	5.56	6.62		
3 1/8"	3.1250	4.50	5.00	6.62	7.62		
3 5/8"	3.6250	5.00	5.56	6.62	7.62	8.62	9.62
4 1/8"	4.1250	5.56	6.62	7.62	8.62	9.62	10.75
5 1/8"	5.1250	6.63	7.62	8.62	9.62	10.75	11.75
6 1/8"	6.1250	7.63	8.62	9.62	10.75	11.75	12.75



What size material do I need?

Fiberglass Pipe.

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What size material do I need?
PVC Fittings.

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PVC Fitting Sizes (IPS)

IPS	Actual O.D.	1/2"	1"	1.5"	2"	2.5"	3"
1/2"	0.840	3	7	10	12	15	17
3/4"	1.050	5	7	10	12	15	17
1"	1.315	5	9	11	13	15	17
1 1/4"	1.660	7	9	12	13	15	17
1 1/2"	1.900	7	10	12	15	17	18
2"	2.375	9	11	13	15	17	18
2 1/2"	2.875	10	12	15	17	18	19
3"	3.500	11	13	15	17	18	19
3 1/2"	4.000	12	15	17	18	19	20
4"	4.500	13	15	17	18	19	20
4.5"	5.000						
5"	5.563	15	17	18	19	20	21
6"	6.625	17	18	19	20	21	22
7"	7.625						
8"	8.625	19	20	21	22	23	24
9"	9.625						
10"	10.750	21	22	23	24	25	26
11"	11.750						
12"	12.750		24	25	26	27	28
14"	14.000		25	26	27	28	30
15"	15.000						
16"	16.000		27	28	29	30	31
17"	17.000						
18"	18.000		29	30	31	32	33
19"	19.000						
20"	20.000		31	32	33	34	35
21"	21.000						
22"	22.000		33	34	35	36	37

PVC Fitting Sizes (CTS)

CTS	Actual O.D.	1/2"	1"	1.5"	2"	2.5"	3"
5/8"	0.6250	3	7	9	11	13	
7/8"	0.8750	3	7	10	12	15	
1 1/8"	1.1250	5	7	10	12	15	17
1 3/8"	1.3750	5	9	11	13	15	17
1 5/8"	1.6250	7	9	11	13	15	17
2 1/8"	2.1250	9	10	12	15	17	18
2 5/8"	2.6250	10	11	13	15	17	18
3 1/8"	3.1250	11	12	15	17	18	19
3 5/8"	3.6250	11	13	15	17	18	19
4 1/8"	4.1250	13	15	17	18	19	20
5 1/8"	5.1250	15	17	18	19	20	21
6 1/8"	6.1250	17	18	19	20	21	22



Insulation Saddle Sizes (IPS)

IPS	Actual O.D.	1/2"	1"	1.5"	2"	2.5"	3"
1/2"	0.840	2.0	3.0	4.0	5.0	6.5	7.5
3/4"	1.050	2.5	3.0	4.0	5.0	6.5	7.5
1"	1.315	2.5	3.5	4.5	5.5	6.5	7.5
1 1/4"	1.660	3.0	3.5	4.5	5.5	6.5	7.5
1 1/2"	1.900	3.0	4.0	5.0	6.5	7.5	8.5
2"	2.375	3.5	4.5	5.5	6.5	7.5	8.5
2 1/2"	2.875	4.0	5.0	6.5	7.5	8.5	9.5
3"	3.500	4.5	5.5	6.5	7.5	8.5	9.5
3 1/2"	4.000	5.0	6.5	7.5	8.5	9.5	10.5
4"	4.500	5.5	6.5	7.5	8.5	9.5	10.5
4.5"	5.000						
5"	5.563	6.5	7.5	8.4	9.5	10.5	11.5
6"	6.625	7.5	8.5	9.5	10.5	11.5	12.5
7"	7.625						
8"	8.625	9.5	10.5	11.5	12.5	14.0	15.0
9"	9.625						
10	10.750	11.5	12.5	14.0	15.0	16.0	17.0
11"	11.750	12.5	14.0	15.0	16.0	17.0	18.0
12"	12.750	14.0	15.0	16.0	17.0	18.0	19.0
14"	14.000						
15"	15.000						
16"	16.000						
17"	17.000						
18"	18.000						
19"	19.000						
20"	20.000						
21"	21.000						
22"	22.000						

Insulation Saddle Sizes (CTS)

CTS	Actual O.D.	1/2"	1"	1.5"	2"	2.5"	3"
5/8"	0.6250	2.0	3.0	3.5	4.5		
7/8"	0.8750	2.0	3.0	4.0	5.0		
1 1/8"	1.1250	2.5	3.0	4.0	5.0		
1 3/8"	1.3750	2.5	3.5	4.5	5.5		
1 5/8"	1.6250	3.0	3.5	4.5	5.5		
2 1/8"	2.1250	3.6	4.0	5.0	6.5	7.5	8.5
2 5/8"	2.6250	4.0	4.5	5.5	6.5	7.5	8.5
3 1/8"	3.1250	4.5	5.0	6.5	7.5	8.5	9.5
3 5/8"	3.6250	4.5	5.5	6.5	7.5	9.5	9.5
4 1/8"	4.1250	5.5	6.6	7.5	8.5	9.5	10.5
5 1/8"	5.1250	6.5	7.5	8.5	9.5	10.5	11.5
6 1/8"	6.1250	7.5	8.5	9.5	10.5	11.5	12.5

What size material do I need?

Insulation Saddles.

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