

Space limitations do not permit the insertion of complete efficiency tables, pipe sizes, insulation thickness, etc. If you do not find the size you want, write to the nearest Johns-Manville Division sales office.

JOHNS-MANVILLE 85 PER CENT MAGNESIA INSULATION

An efficient insulation for steam lines to 600 deg. Fahr.

EFFICIENCIES

Pipe Size Inches	Nominal Insulation Thickness Inches	Temperature Difference Between Pipe and Surrounding Air, Deg. Fahr.							
		100°		200°		300°		400°	
		Temperature of Pipe, Deg. Fahr. (Temperature of Surrounding Air, 75 Deg.)						500°	
		175°		275°		375°		475°	
Heat losses per linear foot of bare pipe per hour and Efficiencies of insulation									
1	0	Bare Pipe Loss, B.t.u.	74.0	183.4	337.4	555.2	891.0		
	Std.	Efficiency %	68.7	73.7	77.7	81.1	84.0		
	2	"	78.4	82.0	84.8	87.3	89.5		
2	0	Bare Pipe Loss, B.t.u.	133.9	331.5	608.3	1003.9	1611.0		
	Std.	Efficiency %	76.7	80.5	83.3	85.7	88.2		
	2	"	83.3	85.9	88.2	90.2	91.7		
3	0	Bare Pipe Loss, B.t.u.	197.3	488.8	896.8	1480.0	2375.0		
	Std.	Efficiency %	78.8	82.3	84.8	87.1	89.3		
	2	"	85.2	87.7	89.6	91.4	92.9		
4	0	Bare Pipe Loss, B.t.u.	253.5	627.9	1152.1	1901.3	3051.0		
	Std.	Efficiency %	81.7	84.5	86.9	89.1	90.8		
	2	"	86.4	88.7	90.5	92.1	93.4		
6	0	Bare Pipe Loss, B.t.u.	371.9	923.7	1694.9	2797.1	4488.5		
	Std.	Efficiency %	82.7	85.4	87.6	89.7	91.3		
	2	"	87.8	89.8	91.3	92.8	94.0		
8	0	Bare Pipe Loss, B.t.u.	485.7	1203.0	2207.3	3642.8	5845.6		
	Std.	Efficiency %	83.7	86.2	88.4	90.2	91.9		
	2	"	88.4	90.3	91.8	93.1	94.3		
Flat Surface	0	(Bare Surface) B.t.u.	215.2	533.0	978.0	1614.0	2590.0		
	1	Efficiency %	82.36	85.20	87.60	89.64	91.48		
	2	"	90.16	91.85	93.12	94.27	95.31		
	3	"	93.22	94.37	95.25	96.06	96.75		

JOHNS-MANVILLE ASBESTO-SPONGE FELTED INSULATION

For insulating high pressure and superheated steam lines to 750 deg. Fahr.

EFFICIENCIES

Pipe Size Inches	Nominal Insulation Thickness Inches		Temperature Difference Between Pipe and Surrounding Air, Deg. Fahr.				
			100°	200°	300°	400°	500°
			Temperature of Pipe, Deg. Fahr. (Temperature of Surrounding Air, 75 Deg.)				
			175°	275°	375°	475°	575°
Heat losses per linear foot of bare pipe per hour and Efficiencies of insulation							
1	0	Bare Pipe Loss, B.t.u.	74.0	183.4	337.4	555.2	891.0
	1	Efficiency %	76.5	79.9	82.6	85.2	87.4
	2	"	80.7	83.6	85.8	87.8	90.0
2	0	Bare Pipe Loss, B.t.u.	133.9	331.5	608.3	1003.9	1611.0
	1	Efficiency %	80.4	83.3	85.5	87.6	89.3
	2	"	85.1	87.2	89.0	90.6	92.1
3	0	Bare Pipe Loss, B.t.u.	197.3	488.8	896.8	1480.0	2375.0
	1	Efficiency %	82.2	84.9	86.8	88.8	90.3
	2	"	86.8	88.8	90.3	91.7	93.2
4	0	Bare Pipe Loss, B.t.u.	253.5	627.9	1152.1	1901.3	3051.0
	1	Efficiency %	83.3	85.8	87.6	89.5	90.9
	2	"	87.9	89.7	91.1	92.4	93.7
6	0	Bare Pipe Loss, B.t.u.	371.9	923.7	1694.9	2797.1	4488.5
	1	Efficiency %	84.2	86.5	88.3	90.1	91.4
	2	"	89.1	90.7	91.9	93.1	94.3
8	0	Bare Pipe Loss, B.t.u.	485.7	1203.0	2207.3	3642.8	5845.6
	1	Efficiency %	84.8	87.0	88.7	90.4	91.7
	2	"	89.6	91.2	92.4	93.4	94.6
Flat Surface	0	(Bare Surface) B.t.u.	215.2	533.0	978.0	1614.0	2590.0
	1	Efficiency %	84.17	86.50	88.38	90.10	91.73
	2	"	91.32	92.61	93.61	94.55	95.44
	3	"	94.02	94.90	95.59	96.23	96.85

JOHNS-MANVILLE IMPROVED ASBESTOCEL INSULATION

For insulating pipes conveying hot water or steam at medium and low pressure.

EFFICIENCIES

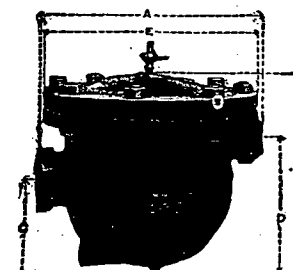
Pipe Sizes Inches	Ply	Temperature Difference Between Pipe and Surrounding Air, Deg. Fahr.					Temperature of Pipe, Deg. Fahr. (Temperature of Surrounding Air, 75 Deg.)				
		100° 150° 200° 250° 300°					175° 225° 275° 325° 375°				
		Heat losses per linear foot of bare pipe per hour and efficiencies of insulation									
1	2-ply	Bare Pipe Loss, B.t.u.	74.0	123.8	183.4	253.7	337.4				
	3-ply	Efficiency %	57.8	59.8	61.6	63.2	64.8				
	4-ply	" %	62.9	64.8	66.6	68.2	69.7				
2	2-ply	Bare Pipe Loss, B.t.u.	133.9	223.9	331.5	458.7	608.3				
	3-ply	Efficiency %	64.5	66.1	67.6	68.9	70.1				
	4-ply	" %	69.7	71.3	72.6	73.9	75.1				
3	2-ply	Bare Pipe Loss, B.t.u.	197.3	330.1	488.8	676.3	896.8				
	3-ply	Efficiency %	67.2	68.7	70.0	71.2	72.3				
	4-ply	" %	72.6	74.0	75.3	76.4	77.4				
4	2-ply	Bare Pipe Loss, B.t.u.	253.5	424.2	627.9	868.8	1152.1				
	3-ply	Efficiency %	68.6	70.0	71.3	72.4	73.4				
	4-ply	" %	74.0	75.3	76.5	77.6	78.6				
6	2-ply	Bare Pipe Loss, B.t.u.	371.9	623.9	923.7	1278.1	1694.9				
	3-ply	Efficiency %	70.0	71.4	72.6	73.7	74.7				
	4-ply	" %	75.6	76.8	77.9	79.0	79.9				
8	2-ply	Bare Pipe Loss, B.t.u.	485.7	812.5	1203.0	1664.5	2207.3				
	3-ply	Efficiency %	70.9	72.2	73.3	74.4	75.3				
	4-ply	" %	76.4	77.6	78.6	79.6	80.5				
			79.8	80.9	81.8	82.7	83.5				

JOHNS-MANVILLE STEAM TRAPS

Type A (Cast Iron)

The simplicity of the Johns-Manville Steam Trap practically eliminates all possibility of its getting out of order. It has and requires no adjustments, and consists of only three parts—the body, discharge bushing and rolling ball, the latter being the only part that moves.

Trap No.	Pipe Size Inches	Capacity Pounds of Water per Hour	Dimensions in Inches (See Diagram)					Weight Lbs.
			A	B	C	D	E	
2-A	1/4	700	7 3/8	6	2 1/8	3 1/4	6 1/4	14 1/4
3-A	1/2	1000	8 1/4	7 1/8	3 1/2	4 1/2	8	23
4-A	1 1/4	1700	10 1/8	8 1/4	4 1/8	5 1/4	10 1/4	47
5-A	1 1/2	3500	12 1/4	11 1/4	5 1/8	7 1/2	12 1/2	85
6-A	2	6000	14 1/2	13	6 1/8	8 1/8	14 1/4	126



Cast Iron Model

JUNIOR MODEL (Bronze)

For steam pressures to 50 lbs. 1/2 in. outlet and inlet pipe connections. Bushings for pressures from 1 to 10 lbs. and 10 to 50 lbs.

Trap	Pipe Size, Inches	Pressure Range Pounds	Capacity, Pounds of water per Hour
Junior	1/2	1-10	250

4/4 inches long by 3 3/8 inches high; weight, 2 pounds, 6 ozs.