

### 配管の放熱量表(1)

保温材材質：グラスウール(JIS A9501)

熱伝達率(kcal/m<sup>2</sup>・hr・°C)：50

安全率(%)：10

単位 (W/m)

保温材厚み (mm)	温度差 (°C)	配管口径(A)													
		15	20	25	32	40	50	65	80	100	125	150	200	250	
20	10	2.2	2.6	3.0	3.5	3.8	4.5	5.4	6.1	7.6	9.0	10.4	13.3	16.2	
20	15	3.3	3.8	4.5	5.2	5.7	6.8	8.1	9.2	11.4	13.6	15.8	20.1	24.5	
20	20	4.5	5.2	6.0	7.0	7.7	9.1	10.9	12.4	15.3	18.3	21.2	27.0	32.9	
20	25	5.6	6.5	7.5	8.8	9.7	11.5	13.8	15.7	19.3	23.0	26.7	34.1	41.5	
20	30	6.8	7.9	9.1	10.7	11.8	13.9	16.7	19.0	23.4	27.9	32.4	41.3	50.3	
20	40	9.3	10.7	12.4	14.6	16.0	18.9	22.7	25.8	31.9	38.0	44.1	56.3	68.4	
20	50	11.8	13.6	15.8	18.6	20.4	24.2	29.0	33.0	40.7	48.5	56.3	71.8	87.4	
20	60	14.5	16.7	19.4	22.8	25.1	29.6	35.6	40.5	50.0	59.5	69.0	88.2	107.3	
20	70	17.3	20.0	23.2	27.2	29.9	35.4	42.5	48.3	59.7	71.1	82.4	105.3	128.1	
20	80	20.2	23.4	27.1	31.9	35.0	41.4	49.8	56.6	69.8	83.2	96.5	123.2	149.9	
20	90	23.3	26.9	31.3	36.7	40.4	47.7	57.4	65.2	80.5	95.9	111.3	142.1	172.8	
20	100	26.6	30.7	35.6	41.9	46.0	54.4	65.4	74.3	91.7	109.3	126.8	161.9	197.0	
20	110	30.0	34.6	40.2	47.3	52.0	61.4	73.9	83.9	103.6	123.4	143.1	182.7	222.3	
20	120	33.6	38.8	45.1	52.9	58.2	68.8	82.7	93.9	116.0	138.2	160.3	204.6	249.0	
25	10	2.0	2.2	2.6	3.0	3.3	3.8	4.5	5.1	6.3	7.5	8.6	10.9	13.2	
25	15	2.9	3.4	3.9	4.5	4.9	5.8	6.9	7.8	9.5	11.3	13.0	16.5	20.0	
25	20	3.9	4.5	5.2	6.0	6.6	7.7	9.2	10.4	12.8	15.1	17.5	22.2	26.9	
25	25	5.0	5.7	6.5	7.6	8.3	9.7	11.6	13.1	16.1	19.1	22.1	28.0	34.0	
25	30	6.0	6.9	7.9	9.2	10.1	11.8	14.1	15.9	19.5	23.1	26.7	33.9	41.1	
25	40	8.1	9.3	10.7	12.5	13.7	16.0	19.1	21.6	26.5	31.5	36.4	46.2	56.0	
25	50	10.4	11.9	13.7	15.9	17.5	20.5	24.4	27.6	33.9	40.2	46.4	59.0	71.5	
25	60	12.7	14.6	16.8	19.6	21.4	25.1	30.0	33.9	41.6	49.3	57.0	72.4	87.8	
25	70	15.2	17.4	20.0	23.3	25.6	30.0	35.8	40.5	49.6	58.9	68.0	86.4	104.8	
25	80	17.8	20.4	23.5	27.3	29.9	35.1	41.9	47.4	58.1	68.9	79.7	101.2	122.7	
25	90	20.5	23.5	27.0	31.5	34.5	40.5	48.3	54.7	67.0	79.5	91.9	116.7	141.5	
25	100	23.4	26.8	30.8	35.9	39.3	46.1	55.1	62.3	76.4	90.6	104.7	133.0	161.3	
25	110	26.4	30.2	34.8	40.6	44.4	52.1	62.2	70.3	86.2	102.3	118.2	150.1	182.1	
25	120	29.6	33.8	39.0	45.4	49.7	58.3	69.7	78.8	96.6	114.5	132.4	168.2	203.9	
30	10	1.8	2.0	2.3	2.6	2.9	3.4	4.0	4.5	5.4	6.4	7.4	9.3	11.3	
30	15	2.7	3.0	3.4	4.0	4.3	5.1	6.0	6.7	8.2	9.7	11.1	14.1	17.0	
30	20	3.6	4.0	4.6	5.3	5.8	6.8	8.0	9.0	11.0	13.0	15.0	18.9	22.9	
30	25	4.5	5.1	5.8	6.7	7.3	8.5	10.1	11.4	13.9	16.4	18.9	23.9	28.9	
30	30	5.4	6.2	7.0	8.1	8.9	10.4	12.3	13.8	16.8	19.9	22.9	28.9	35.0	
30	40	7.4	8.4	9.6	11.1	12.1	14.1	16.7	18.8	22.9	27.0	31.2	39.4	47.6	
30	50	9.4	10.7	12.2	14.1	15.4	18.0	21.3	24.0	29.3	34.5	39.8	50.3	60.8	
30	60	11.5	13.1	15.0	17.3	18.9	22.0	26.2	29.5	35.9	42.4	48.8	61.7	74.6	
30	70	13.8	15.6	17.9	20.7	22.6	26.3	31.2	35.2	42.9	50.6	58.3	73.7	89.1	
30	80	16.1	18.3	20.9	24.2	26.4	30.8	36.6	41.2	50.2	59.3	68.3	86.3	104.4	
30	90	18.6	21.1	24.1	28.0	30.5	35.5	42.2	47.5	57.9	68.4	78.7	99.6	120.4	
30	100	21.2	24.1	27.5	31.9	34.8	40.5	48.1	54.1	66.0	77.9	89.7	113.5	137.2	
30	110	23.9	27.2	31.1	36.0	39.2	45.7	54.3	61.1	74.5	88.0	101.3	128.1	154.9	
30	120	26.8	30.4	34.8	40.3	44.0	51.2	60.8	68.5	83.5	98.5	113.5	143.5	173.5	

## 配管の放熱量表(2)

保温材材質 : グラスウール(JIS A9501)  
 熱伝達率(kcal/m<sup>2</sup>・hr・°C) : 50  
 安全率(%) : 10

単位 (W/m)

保温材厚み (mm)	温度差 (°C)	配管口径(A)												
		15	20	25	32	40	50	65	80	100	125	150	200	250
40	10	1.5	1.7	1.9	2.2	2.4	2.8	3.2	3.6	4.4	5.1	5.8	7.3	8.8
40	15	2.3	2.6	2.9	3.3	3.6	4.2	4.9	5.4	6.6	7.7	8.8	11.0	13.2
40	20	3.1	3.5	3.9	4.5	4.8	5.6	6.5	7.3	8.8	10.3	11.8	14.8	17.8
40	25	3.9	4.3	4.9	5.6	6.1	7.0	8.2	9.2	11.1	13.0	14.9	18.7	22.4
40	30	4.7	5.3	5.9	6.8	7.4	8.5	10.0	11.2	13.5	15.8	18.1	22.6	27.2
40	40	6.3	7.1	8.1	9.3	10.0	11.6	13.6	15.2	18.3	21.5	24.6	30.8	37.0
40	50	8.1	9.1	10.3	11.8	12.8	14.8	17.3	19.4	23.4	27.4	31.4	39.3	47.3
40	60	9.9	11.2	12.7	14.5	15.7	18.1	21.3	23.8	28.7	33.6	38.5	48.3	58.0
40	70	11.9	13.3	15.1	17.3	18.8	21.6	25.4	28.4	34.3	40.2	46.0	57.7	69.3
40	80	13.9	15.6	17.7	20.3	22.0	25.3	29.7	33.3	40.1	47.0	53.9	67.5	81.2
40	90	16.0	18.0	20.4	23.4	25.3	29.2	34.3	38.4	46.3	54.2	62.1	77.9	93.6
40	100	18.2	20.5	23.2	26.6	28.9	33.3	39.1	43.7	52.8	61.8	70.8	88.8	106.7
40	110	20.6	23.2	26.2	30.1	32.6	37.6	44.1	49.4	59.6	69.8	80.0	100.3	120.5
40	120	23.1	26.0	29.4	33.7	36.5	42.1	49.5	55.3	66.8	78.2	89.6	112.3	135.0
50	10	1.4	1.5	1.7	1.9	2.1	2.4	2.8	3.1	3.7	4.3	4.9	6.1	7.2
50	15	2.1	2.3	2.6	2.9	3.2	3.6	4.2	4.7	5.6	6.5	7.4	9.2	10.9
50	20	2.8	3.1	3.5	3.9	4.2	4.8	5.6	6.2	7.5	8.7	9.9	12.3	14.7
50	25	3.5	3.9	4.4	4.9	5.3	6.1	7.1	7.9	9.4	11.0	12.5	15.5	18.6
50	30	4.2	4.7	5.3	6.0	6.4	7.4	8.6	9.5	11.4	13.3	15.1	18.8	22.5
50	40	5.7	6.4	7.2	8.1	8.8	10.0	11.7	13.0	15.5	18.1	20.6	25.6	30.6
50	50	7.3	8.1	9.1	10.4	11.2	12.8	14.9	16.6	19.8	23.1	26.3	32.7	39.1
50	60	8.9	10.0	11.2	12.7	13.7	15.7	18.3	20.3	24.3	28.3	32.2	40.1	48.0
50	70	10.6	11.9	13.4	15.2	16.4	18.7	21.8	24.3	29.0	33.8	38.5	47.9	57.3
50	80	12.5	13.9	15.6	17.8	19.2	21.9	25.5	28.4	34.0	39.6	45.1	56.1	67.1
50	90	14.4	16.1	18.0	20.5	22.1	25.3	29.5	32.8	39.2	45.6	52.0	64.7	77.4
50	100	16.4	18.3	20.6	23.4	25.2	28.9	33.6	37.4	44.7	52.0	59.3	73.8	88.2
50	110	18.5	20.7	23.2	26.4	28.5	32.6	37.9	42.2	50.5	58.8	66.9	83.3	99.6
50	120	20.7	23.2	26.0	29.6	31.9	36.5	42.5	47.3	56.5	65.8	75.0	93.4	111.6