



Technical informations
Informations techniques

Heat losses on pipes
Déperditions sur tuyauteries

Heat losses from pipes (W/m) / Déperditions sur tuyauteries (W/m.lin)

Insulation thickness Épaisseur calorifuge	Δt (°C)	Pipe dimensions - Nominal dia: inches. Ext dia: mm / Dimensions tuyau - DN (pouces) - Ø extérieur (mm)															
		1/4 14mm	1/2 21mm	3/4 27mm	1 34mm	1 1/4 42mm	1 1/2 48mm	2 60mm	2 1/2 76mm	3 89mm	4 114mm	6 168mm	8 219mm	10 273mm	12 324mm	14 356mm	16 406mm
9	10	3.2	3.7	4.6	5.4	6.4	8.0	9.1	11.1	-	-	-	-	-	-	-	-
	20	6.5	7.6	9.3	10.9	13.1	16.3	18.5	22.7	-	-	-	-	-	-	-	-
	30	9.9	11.6	14.2	16.7	20.0	24.9	28.2	34.6	-	-	-	-	-	-	-	-
	40	13.4	15.8	19.2	22.6	27.1	33.8	38.2	47.0	-	-	-	-	-	-	-	-
	50	17.1	20.1	24.4	28.8	34.5	43.0	43.0	59.7	-	-	-	-	-	-	-	-
13	10	2.5	2.9	3.5	4.0	4.8	5.9	6.6	8.1	-	-	-	-	-	-	-	-
	20	5.1	5.9	7.0	8.2	9.7	12.0	13.5	16.5	-	-	-	-	-	-	-	-
	30	7.7	9.0	10.8	12.5	14.9	18.3	20.6	25.1	-	-	-	-	-	-	-	-
	40	10.5	12.2	14.6	17.0	20.2	24.9	27.9	34.1	-	-	-	-	-	-	-	-
	50	13.4	16.0	18.6	21.6	25.5	31.6	35.5	43.3	-	-	-	-	-	-	-	-
20	10	1.8	2.3	2.7	3.1	3.6	3.9	4.7	5.7	-	-	-	-	-	-	-	-
	20	3.6	4.6	5.4	6.3	7.3	8.0	9.5	11.5	13.1	16.1	22.4	28.5	34.7	40.5	44.1	49.7
	30	5.5	7.0	8.2	9.6	11.1	13.3	14.6	17.5	20.0	24.5	34.3	43.5	53.0	61.9	67.4	75.8
	40	7.5	9.5	11.1	13.0	15.1	16.7	19.7	23.8	27.1	33.3	46.5	59.0	71.9	83.9	91.3	102.8
	50	9.6	12.1	14.2	16.5	19.2	21.2	25.1	30.3	34.4	42.3	59.1	75.0	91.4	106.6	116.0	130.6
	60	11.7	14.8	17.3	20.2	23.5	25.9	30.6	36.9	42.0	51.6	72.0	91.5	111.5	130.0	141.5	159.2
25	20	3.2	4.0	4.7	5.4	76.2	6.8	8.0	9.6	10.9	13.3	18.5	23.4	28.4	33.1	36.0	40.6
	30	4.9	6.1	7.1	8.3	9.5	10.4	12.3	14.7	16.6	20.3	28.3	35.7	43.4	50.6	55.0	61.9
	40	6.7	8.3	9.7	11.2	12.9	14.2	16.7	19.9	22.6	27.6	38.4	48.4	58.8	68.5	74.6	82.9
	50	8.5	10.6	11.4	14.2	16.4	18.0	21.2	25.4	28.7	35.1	48.8	61.5	74.8	87.1	94.8	106.7
	60	10.4	12.9	15.0	17.4	20.0	22.0	25.9	30.9	35.0	42.8	59.5	75.0	91.2	106.3	115.6	130.1
	80	14.3	17.8	20.7	23.9	27.6	30.3	35.6	42.6	48.3	59.0	82.0	103.3	125.6	146.3	159.2	179.1
100	18.4	23.0	26.6	30.9	35.6	39.1	46.0	55.0	62.3	76.1	105.8	133.3	161.9	188.6	205.2	230.8	
30	20	2.9	3.6	4.2	4.8	5.5	6.0	7.0	8.4	9.4	11.5	15.8	19.9	24.1	28.1	30.6	34.4
	30	4.5	5.5	6.4	7.3	8.4	9.2	10.7	12.8	14.4	17.5	21.2	30.4	36.9	42.9	46.7	52.5
	40	6.1	7.5	8.7	10.0	11.4	12.5	14.6	17.3	19.6	23.8	32.8	41.2	50.0	58.2	63.3	71.2
	50	7.7	9.6	11.0	12.7	14.5	15.9	18.5	22.0	24.9	30.2	41.7	52.4	63.6	74.0	80.4	90.5
	60	9.5	11.7	13.4	15.5	17.7	19.4	22.6	26.9	30.3	36.9	50.9	63.9	77.5	90.2	98.1	110.4
	80	13.0	16.1	18.5	21.3	24.4	26.7	31.2	37.1	41.8	50.8	70.1	88.1	106.8	124.2	135.1	151.9
	100	16.8	20.7	23.9	27.5	31.5	34.4	40.2	47.8	53.9	65.5	90.5	113.6	137.7	160.2	174.2	195.8
	120	20.8	25.7	29.6	34.0	39.0	42.6	49.8	59.2	66.7	81.1	112.0	140.5	170.3	198.1	215.2	242.1
	140	25.0	30.8	35.6	40.9	46.8	51.2	59.8	71.1	80.2	97.4	134.5	168.8	204.6	237.9	258.6	290.7
	160	29.4	36.3	48.8	48.1	55.1	60.2	70.4	83.7	94.4	114.6	158.2	198.5	240.5	279.7	304.0	341.6
180	34.1	42.0	48.4	55.7	68.3	69.7	81.4	96.8	109.2	132.6	183.0	229.6	278.2	323.4	351.5	394.9	
40	20	2.6	3.1	3.6	4.0	4.6	5.0	5.8	6.8	7.6	9.1	12.5	15.5	18.8	21.8	23.7	26.6
	30	3.9	4.8	5.4	6.2	7.0	7.6	8.8	10.4	11.6	14.0	19.0	23.7	28.6	33.2	36.1	40.5
	40	5.3	6.5	7.4	8.4	9.5	10.3	11.9	14.0	15.7	18.9	25.8	32.2	38.8	45.1	49.0	55.0
	50	6.3	8.2	9.4	10.7	12.1	13.1	15.2	17.9	20.0	24.1	32.8	40.9	49.4	57.3	62.2	69.9
	60	8.3	10.0	11.4	13.0	14.7	16.0	18.5	21.8	24.4	29.4	40.1	49.9	60.3	69.9	75.9	85.3
	80	11.4	13.8	15.7	17.9	20.3	22.1	25.5	30.0	33.6	40.5	55.2	68.8	83.0	96.3	104.6	117.4
	90	13.0	15.8	18.0	20.5	23.2	25.2	29.2	34.3	38.5	46.3	63.1	78.6	94.9	110.0	119.5	134.2
	100	14.7	17.8	20.3	23.1	26.2	28.5	32.9	38.8	43.4	52.2	71.2	88.7	107.0	124.2	134.9	151.4
	120	18.2	22.1	25.1	28.6	32.4	35.2	40.8	48.8	53.7	64.6	88.1	109.7	132.4	153.6	166.8	187.2
	140	21.9	26.5	30.2	34.4	39.0	42.4	49.0	57.6	64.6	77.7	105.8	131.9	159.1	184.5	200.4	224.9
160	25.8	31.2	35.6	40.5	45.9	49.8	57.6	67.8	76.0	91.4	124.5	155.1	187.1	217.0	235.6	264.4	
180	29.8	36.1	41.2	46.8	53.1	57.7	66.7	78.5	87.9	105.7	144.0	179.4	216.4	250.9	272.4	305.7	
50	20	2.3	2.8	3.2	3.6	4.0	4.3	5.0	5.8	6.5	7.7	10.4	12.9	15.5	17.9	19.4	21.8
	30	3.6	4.3	4.8	5.6	6.1	6.6	7.6	8.9	9.9	11.8	15.9	19.4	23.7	27.4	29.7	33.3
	40	4.8	5.8	6.5	7.4	8.3	9.0	10.3	12.0	13.4	16.0	21.6	26.7	32.1	37.1	40.3	54.1
	50	6.2	7.4	8.3	9.4	10.6	11.4	13.1	15.3	17.1	20.4	27.4	32.0	40.8	47.2	51.2	57.4
	60	7.5	9.0	10.2	11.5	12.9	14.0	16.0	18.7	20.8	24.8	33.5	41.4	49.8	57.6	62.5	70.0
	80	10.3	12.4	14.0	18.8	17.8	19.2	22.1	25.7	28.7	34.2	46.1	57.1	68.6	79.3	86.0	96.4
	100	13.4	16.0	18.1	20.4	22.9	28.4	28.5	33.2	37.0	44.2	59.5	73.6	88.4	102.3	110.9	124.3
	120	16.5	19.8	22.4	25.2	28.4	30.7	35.2	41.1	45.8	56.4	73.6	91.1	109.4	126.5	137.2	153.8
	140	19.9	23.8	26.8	30.3	34.1	36.9	42.4	49.4	55.0	65.7	88.5	109.5	131.5	152.0	164.9	184.7
	160	23.4	28.0	31.6	35.7	40.2	43.4	49.8	58.1	64.7	77.3	104.0	128.8	154.6	178.8	193.9	217.2
180	27.1	32.4	36.6	41.3	46.5	50.3	57.7	67.3	74.9	89.4	120.4	149.0	178.9	206.8	224.2	251.2	
60	20	2.2	2.6	2.9	3.2	3.6	3.9	4.4	5.2	5.7	6.8	9.0	11.1	13.3	15.3	16.6	18.6
	30	3.3	3.9	4.4	4.9	5.5	6.0	6.8	7.9	8.7	10.4	13.8	17.0	20.3	23.4	25.6	28.4
	40	4.5	5.3	6.0	6.7	7.5	8.1	9.2	10.7	11.8	14.1	18.7	23.0	27.5	31.8	34.4	38.5
	50	5.7	6.8	7.6	8.5	9.5	10.3	11.7	13.6	15.1	17.9	23.8	29.3	35.0	40.4	43.7	49.0
	60	7.0	8.3	9.3	10.4	11.6	12.5	14.3	16.6	18.4	21.8	29.0	35.7	42.7	49.3	53.4	59.7
	80	9.6	11.4	12.8	14.4	16.1	17.3	19.7	22.8	25.3	30.1	40.0	49.2	58.9	67.9	73.5	82.3
	100	12.4	14.7	16.5	18.5	20.7	22.3	25.4	29.5	32.7	38.8	51.6	63.5	75.9	87.6	94.8	106.1
	120	15.3	18.2	20.4	22.9	25.6	27.6	31.5	36.5	40.4	48.0	63.9	78.6	94.0	108.3	117.3	131.2
	140	18.5	21.9	24.6	27.6	30.8	33.2	37.8	43.8	48.6	57.7	76.7	94.4	112.9	130.2	141.0	157.7
	160	21.7	25.7	28.9	32.4	36.3	39.1	44.5	51.6	57.2	67.9	90.3	111.1	132.8	153.1	165.8	185.4
180	25.1	29.8	33.5	37.5	42.0	45.2	51.5	59.7	66.1	78.5	104.5	128.5	153.6	172.1	191.7	214.5	