



Standard Straight Units — Low Temp Hi-Gard

Carrier pipe (NB) (mm) (in)	Hi-Gard designation No.	Carrier pipe dimensions		Outer jacket O.D x W.T (mm)	Insulation (mm)	Weight in kg per		Heat loss Kcal/m-hr	Heat gain Kcal/m-hr	Standard length meter L
		O.D x W.T	ASTM			Meter	Std length			
15 ½	H G 15 / 75	21.3 x 2.8	A53. Gr. B.	75.0 x 0.5	26.4	2.5	15	12.44	2.27	6
	H G 15 / 100			101.6 x 0.5	39.7	3.0	18	10.19	1.88	
	H G 15 / 125			127.0 x 0.5	52.4	3.5	21	8.99	1.66	
20 ¾	H G 20 / 75	26.7 x 2.9	A53. Gr. B.	75.0 x 0.5	23.7	2.8	17	15.01	2.73	6
	H G 20 / 100			101.6 x 0.5	37.0	3.3	20	11.85	2.18	
	H G 20 / 125			127.0 x 0.5	49.7	3.8	23	10.56	1.90	
25 1	H G 25 / 75	33.4 x 3.4	A53. Gr. B.	75.0 x 0.5	20.3	3.7	22	18.89	3.41	6
	H G 25 / 100			101.6 x 0.5	33.6	4.2	25	14.14	2.59	
	H G 25 / 150			152.4 x 0.5	59.0	5.2	31	10.57	1.96	
32 1 ¼	H G 32 / 100	42.3 x 3.6	A53. Gr. B.	101.6 x 0.5	29.2	5.0	30	17.72	3.23	6
	H G 32 / 125			127.0 x 0.5	41.9	5.5	33	14.37	2.64	
	H G 32 / 150			152.4 x 0.5	54.6	6.2	37	12.45	2.30	
40 1 ½	H G 40 / 100	48.3 x 3.7	A53. Gr. B.	101.6 x 0.5	26.2	5.7	34	20.76	3.77	6
	H G 40 / 125			127.0 x 0.5	38.9	6.2	37	16.30	2.99	
	H G 40 / 150			152.4 x 0.5	51.6	6.7	40	13.87	2.56	
50 2	H G 50 / 100	60.3 x 3.9	A53. Gr. B.	101.6 x 0.5	20.2	7.0	42	18.89	5.19	6
	H G 50 / 125			127.0 x 0.5	32.9	7.5	45	20.93	3.82	
	H G 50 / 160			160.0 x 0.5	49.4	8.3	50	16.27	2.99	
65 2 ½	H G 65 / 125	73.0 x 5.2	A53. Gr. B.	127.0 x 0.5	26.5	10.7	64	27.59	5.01	6
	H G 65 / 150			152.4 x 0.5	39.2	11.2	67	21.31	3.90	
	H G 65 / 175			175.0 x 0.5	50.5	11.7	70	18.14	3.34	
80 3	H G 80 / 125	88.9 x 5.5	A53. Gr. B.	127.0 x 0.5	18.6	13.3	80	41.54	7.42	6
	H G 80 / 150			152.4 x 0.5	31.3	13.8	83	28.56	5.21	
	H G 80 / 200			203.2 x 0.5	56.7	15.0	90	19.22	3.54	
100 4	H G 100 / 160	114.3 x 6.0	A53. Gr. B.	160.0 x 0.5	22.4	18.7	112	44.56	8.00	6
	H G 100 / 175			175.0 x 0.5	29.9	19.0	114	36.00	6.52	
	H G 100 / 215			216.0 x 0.5	50.4	20.0	120	24.79	4.55	
125 5	H G 125 / 225	141.3 x 6.6	A53. Gr. B.	225.0 x 0.6	41.2	27.0	162	33.53	6.14	6
	H G 125 / 250			254.0 x 0.6	55.7	27.8	167	27.03	4.97	
	H G 125 / 300			304.8 x 0.6	81.1	29.7	178	20.86	3.86	
150 6	H G 150 / 250	168.3 x 7.1	A53. Gr. B.	254.0 x 0.6	42.2	34.2	205	37.98	6.93	6
	H G 150 / 275			275.0 x 0.6	52.7	34.8	209	32.15	5.90	
	H G 150 / 315			318.0 x 0.6	74.2	36.5	219	25.11	4.64	
200 8	H G 200 / 300	219.1 x 8.2	A53. Gr. B.	304.8 x 0.6	42.2	49.7	298	47.19	8.60	6
	H G 200 / 315			318.0 x 0.6	48.8	50.2	301	42.12	7.71	
	H G 200 / 400			406.4 x 0.6	93.0	53.7	322	25.97	4.81	
250 10	H G 250 / 350	273.0 x 9.3	A53. Gr. B.	355.6 x 0.6	40.7	68.4	410	58.53	10.65	6
	H G 250 / 400			406.4 x 0.6	66.1	70.8	425	39.80	7.32	
	H G 250 / 425			431.8 x 0.6	78.8	72.1	433	34.75	6.41	
300 12	H G 300 / 400	323.8 x 9.5	A53. Gr. B.	406.4 x 0.6	40.7	82.9	497	67.95	12.36	6
	H G 300 / 425			431.8 x 0.6	53.4	84.2	505	54.43	9.97	
	H G 300 / 500			508.0 x 0.6	91.5	88.3	530	35.50	6.56	

Dimension in mm

STANDARD STRAIGHT SECTIONS

① NB = Abrivation for nominal bore

② O.D and wall thickness are based on ASTM A53 Gr. B standard weight. JIS, DIN or BS standard are also available upon request.

③ Jacket is based on outside lock seamed galvanized steel. Other type of jacket is available upon request.

④ Weight is based on ASTM A53 Gr. B standard weight.

⑤ Longer length (12 meter) unit is available upon request.

NOTE: Insulation thickness shown on table indicates calculated thickness only. Actual thickness varies due to carrier pipe O.D tolerance and manufacturing dimensional tolerance.

