

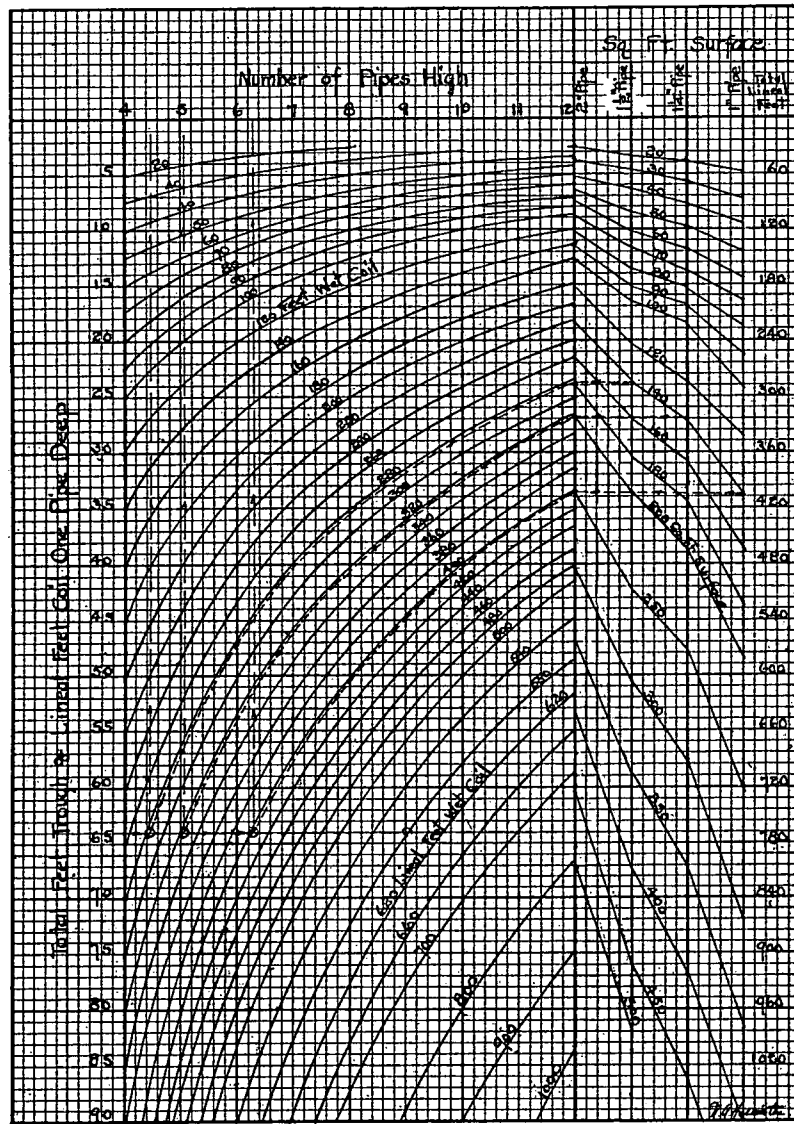


FIG. 4. SIZE OF PIPES AND NUMBER OF PIPES HIGH

TABLE 1. CUBIC INCHES OF AMMONIA VAPOR TO BE CIRCULATED TO PRODUCE ONE TON OF REFRIGERATION IN TWENTY-FOUR HOURS

CONDENSER PRESSURE		Gage		TEMP. OF SUCTION	AMMONIA VAPOR IN CUBIC FEET PER MINUTE											
		Abs.			95	110	125	140	155	170	185	200	215	230	245	
Temperature of Liquid		Abs.		109.7	124.7	139.7	154.7	169.7	184.7	199.7	214.7	229.7	244.7	259.7		
Temperature of Liquid		61°F.		68°	74.4°	80.3°	85.8°	91°	95.8°	100.3°	104.6°	108.7°	112.6°			
SUCTION PRESSURE		Gage		AMMONIA VAPOR IN CUBIC FEET PER MINUTE												
Gage		Abs.		14,880	15,100	15,310	15,525	15,750	15,975	16,175	16,375	16,575	16,775	16,975		
5" V.	12.2#	-33.6°F		14,320	14,550	14,750	14,950	15,170	15,375	15,560	15,750	15,940	16,120	16,310		
4"	12.7	-32.3°		13,820	14,040	14,240	14,440	14,630	14,825	15,010	15,190	15,375	15,560	15,740		
3"	13.2	-30.9°		13,340	13,540	13,720	13,920	14,110	14,300	14,480	14,660	14,840	15,010	15,190		
2"	13.7	-29.6°		12,885	13,075	13,250	13,445	13,640	13,820	13,990	14,150	14,320	14,490	14,660		
1"	14.2	-28.4°		12,460	12,650	12,840	13,020	13,200	13,375	13,540	13,700	13,860	14,025	14,190		
0#	14.7	-27.1°		11,700	11,855	12,020	12,210	12,380	12,545	12,720	12,875	13,010	13,150	13,305		
1#	15.7	-24.8°		11,005	11,160	11,340	11,500	11,660	11,810	11,950	12,100	12,240	12,400	12,540		
2	16.7	-22.6°		10,410	10,575	10,710	10,850	11,020	11,175	11,310	11,450	11,590	11,730	11,860		
3	17.7	-20.4°		9885	10,020	10,180	10,310	10,450	10,595	10,720	10,850	10,990	11,110	11,225		
4	18.7	-18.4°		9400	9540	9690	9820	9960	10,090	10,210	10,340	10,450	10,580	10,700		
5	19.7	-16.5°		8200	8310	8425	8550	8675	8790	8895	9000	9100	9200	9305		
8	22.7	-11.0°		7550	7670	7770	7880	7990	8090	8190	8290	8390	8480	8580		
10	24.7	-7.7°		7010	7110	7210	7320	7420	7520	7610	7700	7795	7880	7980		
12	26.7	-4.7°		6320	6420	6510	6610	6695	6790	6860	6940	7025	7110	7190		
15	29.7	-0.3°		5445	5530	5605	5690	5750	5825	5905	5990	6040	6110	6190		
20	34.7	+6.1°		4780	4850	4910	4990	5050	5110	5190	5240	5300	5380	5420		
25	39.7	+11.9°		4250	4310	4380	4440	4500	4560	4620	4680	4725	4790	4840		
30	44.7	+17.0°		3850	3910	3970	4020	4070	4120	4170	4220	4270	4320	4370		
35	49.7	+21.8°		3510	3560	3610	3655	3705	3760	3810	3855	3905	3940	3980		
40	54.7	+26.2°		3220	3280	3320	3360	3410	3450	3500	3540	3590	3630	3680		
45	59.7	+30.3°		2980	3020	3070	3110	3150	3190	3225	3275	3310	3350	3390		
50	64.7	+34.1°														