

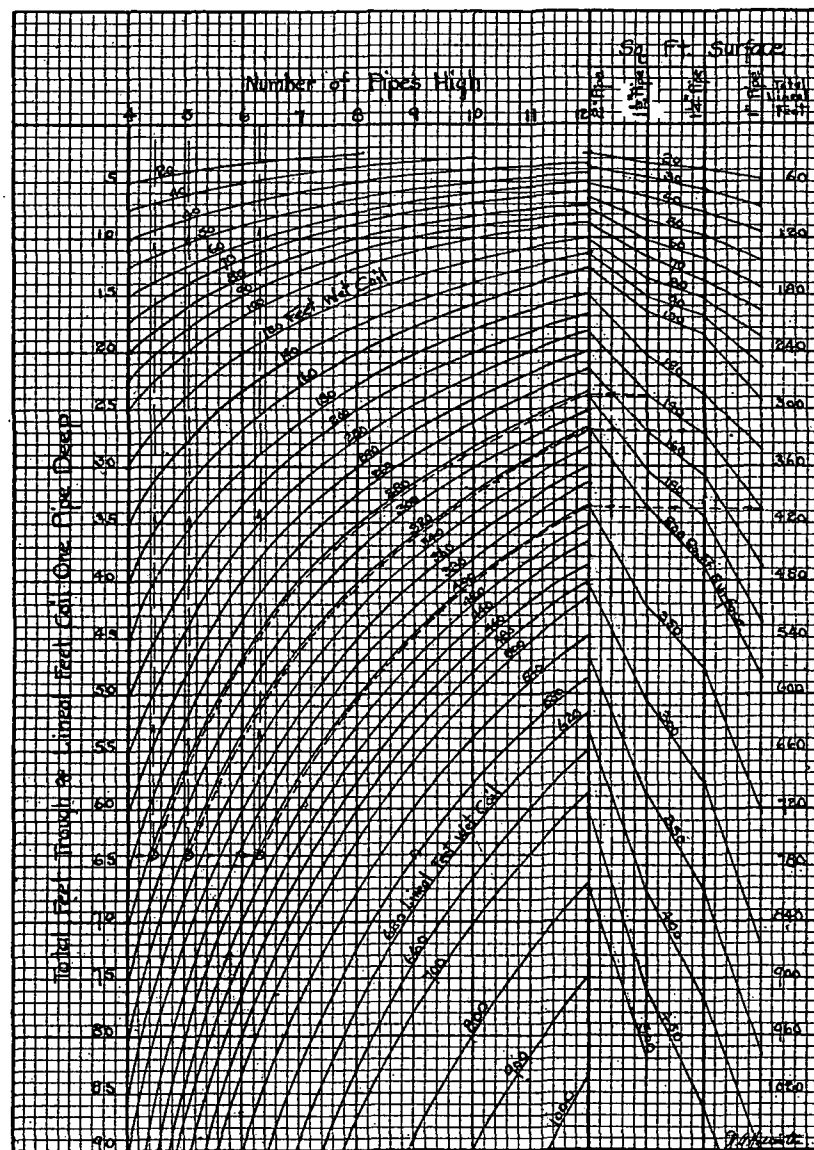


FIG. 81. SIZE OF PIPES AND NUMBER OF PIPES HIGH

TABLE 103. CUBIC INCHES OF AMMONIA VAPOR TO BE CIRCULATED TO PRODUCE ONE TON OF REFRIGERATION IN TWENTY-FOUR HOURS

CONDENSER PRESSURE	Gage	Abs.	TEMP. OF SUCTION	AMMONIA VAPOR IN CUBIC FEET PER MINUTE											
				12.2#	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7
SUCTION PRESSURE	Gage	Abs.	TEMP. OF SUCTION	12.2#	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7
				12.2#	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.7	17.2	17.7
5"V.			-33.6°F	14.880	15.100	15.310	15.525	15.750	15.975	16.175	16.375	16.575	16.775	16.975	17.175
4"			-32.3°	14.320	14.550	14.750	14.950	15.170	15.375	15.560	15.750	15.940	16.120	16.310	16.500
3"			-30.9°	13.820	14.040	14.240	14.440	14.630	14.825	15.010	15.190	15.375	15.560	15.740	15.920
2"			-29.6°	13.340	13.540	13.720	13.920	14.110	14.300	14.480	14.660	14.840	15.010	15.190	15.370
1"			-28.4°	12.885	13.075	13.250	13.445	13.640	13.820	13.990	14.150	14.320	14.490	14.660	14.830
0#			-27.1°	12.460	12.650	12.840	13.020	13.200	13.375	13.540	13.700	13.860	14.025	14.190	14.350
1#			-24.8°	11.700	11.855	12.020	12.210	12.380	12.545	12.720	12.875	13.010	13.150	13.305	13.460
2			-22.6°	11.005	11.160	11.340	11.500	11.660	11.810	11.950	12.100	12.240	12.400	12.540	12.700
3			-20.4°	10.410	10.575	10.710	10.850	11.020	11.175	11.310	11.450	11.590	11.730	11.860	12.000
4			-18.4°	9.885	10.020	10.180	10.310	10.450	10.595	10.720	10.850	10.990	11.110	11.225	11.350
5			-16.5°	9.400	9.540	9.690	9.820	9.960	10.090	10.210	10.340	10.450	10.580	10.700	10.820
8			-11.0°	8.200	8.310	8.425	8.550	8.675	8.790	8.895	9.000	9.100	9.200	9.305	9.410
10			-7.7°	7.550	7.670	7.770	7.880	7.990	8.090	8.190	8.290	8.390	8.490	8.580	8.680
12			-4.7°	7.010	7.110	7.210	7.320	7.420	7.520	7.610	7.700	7.795	7.880	7.970	8.060
15			-0.3°	6.320	6.420	6.510	6.610	6.695	6.790	6.860	6.940	7.025	7.110	7.190	7.270
20			+6.1°	5.445	5.530	5.605	5.690	5.750	5.825	5.905	5.980	6.040	6.110	6.190	6.270
25			+11.9°	4.780	4.850	4.910	4.990	5.050	5.110	5.190	5.240	5.300	5.380	5.420	5.500
30			+17.0°	4.250	4.310	4.380	4.440	4.500	4.560	4.620	4.680	4.725	4.790	4.840	4.900
35			+21.8°	3.850	3.910	3.970	4.020	4.070	4.120	4.170	4.220	4.270	4.320	4.370	4.420
40			+26.2°	3.510	3.560	3.610	3.655	3.705	3.750	3.800	3.850	3.900	3.950	4.000	4.050
45			+30.3°	3.220	3.280	3.320	3.360	3.410	3.450	3.500	3.550	3.590	3.630	3.680	3.730
50			+34.1°	2.980	3.020	3.070	3.110	3.150	3.190	3.225	3.275	3.310	3.350	3.390	3.430