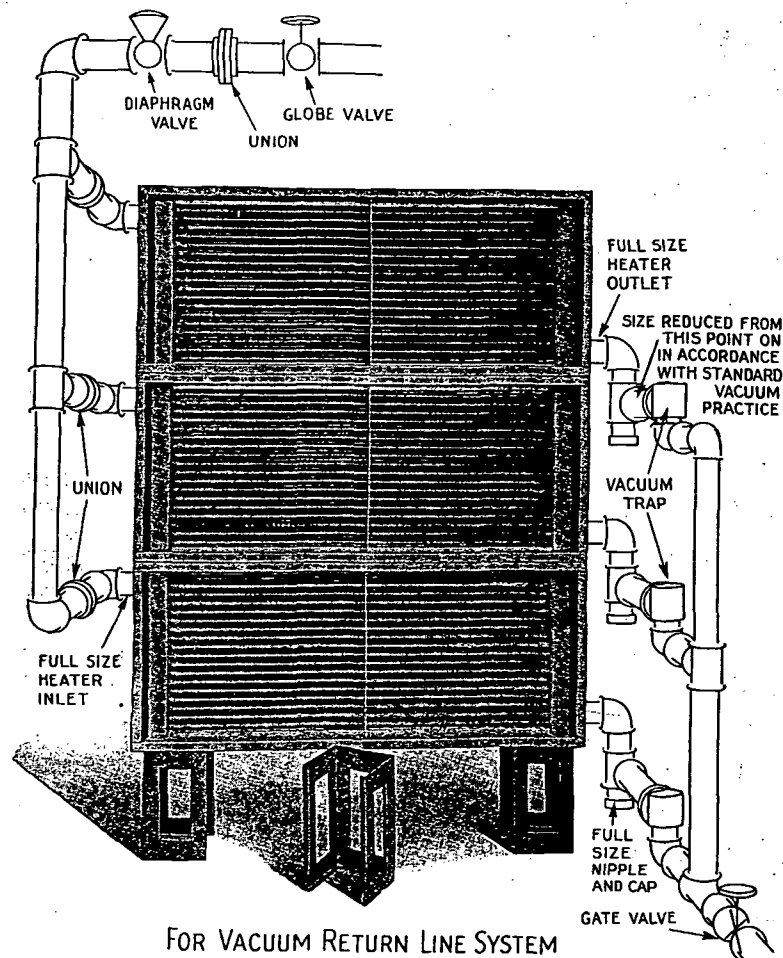




Aerofin Units installed three-high, tubes horizontal, showing uses of pressed steel supporting legs. (The third leg in front of battery, is not required as a support, two legs being sufficient up to 8'-0" tube length, but is shown to illustrate design.) Typical piping diagram for Vacuum Return Line System is also shown. Our complete bulletin, sent on request, shows piping diagrams for other systems and for vertical tubes

See Capacity Table next page.

Final Temperatures and Condensations—5 Pounds Steam—227° Temperature

Temp. Entering Air	Row Tubes Deep	Velocity of Air Through Net Face Area*—in feet per minute—Measured at 70° F. and 29.92" Barom.											
		300' Face Velocity Friction per Row = .02*			400' Face Velocity Friction per Row = .0337*			500' Face Velocity Friction per Row = .054*			600' Face Velocity Friction per Row = .074*		
		Final Temp. Air	Cond. Lbs. per Hr. Lin. Ft. Tube	Final Temp. Air	Cond. Lbs. per Hr. Lin. Ft. Tube	Final Temp. Air	Cond. Lbs. per Hr. Lin. Ft. Tube	Final Temp. Air	Cond. Lbs. per Hr. Lin. Ft. Tube	Final Temp. Air	Cond. Lbs. per Hr. Lin. Ft. Tube	Final Temp. Air	Cond. Lbs. per Hr. Lin. Ft. Tube
-20°	1	24.5	1.07	21.0	2.05	17.7	2.30	15.5	2.55	13.5	2.80	11.3	3.13
	2	60.3	1.55	55.9	1.93	49.6	2.24	45.3	2.52	41.5	2.80	38.0	3.08
	3	88.2	1.38	83.0	1.76	76.3	2.04	71.2	2.32	67.0	2.58	62.6	2.84
	4	111.5	1.27	105.0	1.69	98.2	1.90	92.6	2.17	87.5	2.42	82.0	2.64
	5	120.4	1.14	123.5	1.47	117.0	1.70	111.0	2.01	105.4	2.24	99.8	2.43
-10°	1	32.0	1.57	30.0	2.00	27.0	2.31	24.0	2.55	22.0	2.80	20.0	3.00
	2	65.5	1.46	62.0	1.85	57.0	2.16	52.5	2.41	50.0	2.70	48.5	2.90
	3	87.2	1.27	82.0	1.77	77.0	2.07	73.0	2.31	69.0	2.58	65.0	2.80
	4	115.5	1.21	108.5	1.54	103.4	1.82	98.0	2.08	93.0	2.31	88.0	2.52
	5	132.5	1.09	127.0	1.40	121.0	1.67	115.0	1.91	110.0	2.15	105.4	2.31
0°	1	40.0	1.90	38.0	1.99	35.0	2.30	32.4	2.43	30.4	2.60	28.0	2.80
	2	70.6	1.79	66.0	1.50	61.0	1.87	56.0	2.12	52.0	2.36	48.5	2.54
	3	96.0	1.60	94.0	1.50	88.0	1.74	83.4	1.98	79.3	2.20	75.6	2.40
	4	120.0	1.16	114.0	1.46	108.4	1.60	103.0	1.83	98.0	2.04	93.5	2.23
	5	136.0	1.04	130.7	1.34	124.7	1.50	119.5	1.53	114.2	1.70	109.0	1.88
0°	1	149.0	.95	144.0	1.22	138.2	1.47	133.0	1.60	127.4	1.80	122.5	2.08
	2	158.0	.88	153.0	1.13	148.7	1.37	144.0	1.48	139.0	1.78	134.0	1.96
	3	174.7	.74	170.5	.99	166.0	1.17	161.5	1.37	157.2	1.54	152.7	1.73
	4	180.0	.69	175.8	.90	171.8	1.10	168.0	1.29	164.0	1.47	160.0	1.64
	5	180.0	.53	175.8	.83	171.8	1.07	168.0	1.28	164.0	1.47	160.0	1.64
+40°	1	72.3	1.21	70.4	1.52	68.3	1.77	65.8	1.90	64.5	2.11	63.5	2.35
	2	120.0	1.04	115.3	1.34	111.3	1.51	107.0	1.72	103.6	1.89	100.4	2.05
	3	136.0	.92	131.5	1.18	127.0	1.40	123.0	1.60	119.0	1.78	115.0	1.93
	4	149.0	.83	144.7	1.07	140.0	1.28	135.8	1.47	131.4	1.63	127.0	1.79
	5	153.0	.75	148.3	.95	143.0	1.05	138.0	1.27	133.4	1.43	128.0	1.58
+50°	1	80.0	1.15	78.5	1.42	76.5	1.65	75.0	1.87	73.3	2.04	71.0	2.16
	2	123.4	1.07	120.0	1.34	116.5	1.55	113.0	1.77	109.0	1.94	106.0	2.00
	3	136.0	.95	133.2	1.20	130.0	1.42	126.0	1.62	122.0	1.78	118.0	1.91
	4	143.3	.87	139.2	1.11	135.6	1.31	132.0	1.50	128.0	1.67	124.0	1.83
	5	152.5	.78	148.3	1.01	144.0	1.20	140.0	1.38	136.0	1.54	132.0	1.68
+60°	1	80.0	1.09	86.5	1.34	84.5	1.53	81.4	1.75	81.5	1.88	80.0	2.00
	2	112.0	1.00	108.3	1.24	105.3	1.46	103.0	1.66	100.0	1.80	98.0	1.95
	3	130.0	.89	126.0	1.12	122.4	1.31	119.5	1.51	116.5	1.66	113.0	1.80
	4	145.7	.73	141.0	.94	137.3	1.12	133.6	1.31	130.0	1.46	126.0	1.60
	5	153.7	.65	148.0	.84	144.0	1.12	140.0	1.29	137.0	1.44	133.0	1.57

* Net Face Area means only that area facing the tubes and does not include the headers or casings.