

# LINOVECTOR II

## Submittal

LV3-C / LV4-C  
Copper/Aluminum and  
Steel Element Ratings

### Specification

LV3-C Flat Top Enclosure

**ENCLOSURE:**

STYLE: Flat Top, Top Outlet  
OUTLET: Stamped Louvers  
Pencil Proof

LENGTHS: 2'0" thru 8'0" in 6" Increments

MAT'L:  18 Ga. CRS (Std)  
 16 Ga. CRS (Opt'l)  
 14 Ga. CRS (Opt'l)  
 18 Ga. Stainless Steel (Opt'l)  
 16 Ga. Stainless Steel (Opt'l)  
 14 Ga. Stainless Steel (Opt'l)  
 16 Ga. Aluminum (Opt'l)  
 14 Ga. Aluminum (Opt'l)  
 12 Ga. Aluminum (Opt'l)

HEIGHT:  5 5/8" (LV3-C only)  
 6 1/8" (LV4-C only)  
 11 5/8" (LV3-C only)  
 12 1/8" (LV4-C only)  
 17 5/8" (LV3-C only)  
 18 1/8" (LV4-C only)

FINISH:  Baked Powder (Std)  
 Baked Metallic (Opt'l)

**ELEMENT:**

TYPE:  Cu/AL (Mechanically Expanded)  
LENGTHS: 2'0" thru 12'6" in 1" Increments for 1" & 1-1/4" Cu.  
2'0" thru 8'0" in 1" Increments for 3/4" Cu.

One End Flared (Std)

TYPE:  IPS Steel (Mechanically Expanded)  
LENGTHS: 2'0" thru 12'6" in 1" Increments  
 NPT Thread both Ends (Std)  
 Beveled Ends for Field Weld (Opt'l)

See Catalog for Working Pressures

LV4-C Flat Top Enclosure

**BACKPLATE:**

TYPE: Not Applicable

**BRACKETS:**

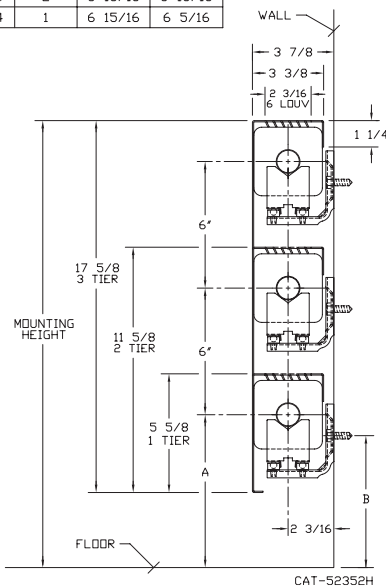
Wall Mtd B.B. Hngr

**ACCESSORIES:**

All Overlapping Type

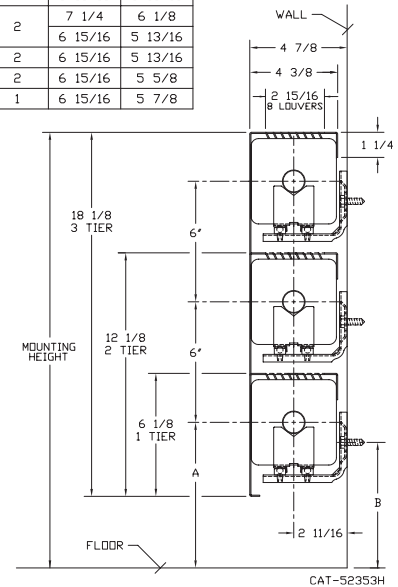
LV3-C

ELEMENT TUBE SIZE	FIN SIZE HEIGHT x WIDTH	CRADLE NUMBER	A	B
3/4 COPPER	3 1/4 x 3 1/4	2	6 15/16	6 1/8
1" COPPER	3 1/4 x 3 1/4	2	6 15/16	5 15/16
1 1/4 COPPER	3 1/4 x 3 1/4	1	6 15/16	6 1/2
1" STEEL	3 1/4 x 3 1/4	2	6 15/16	5 13/16
1 1/4 STEEL	3 1/4 x 3 1/4	1	6 15/16	6 5/16



LV4-C

ELEMENT TUBE SIZE	FIN SIZE HEIGHT x WIDTH	CRADLE NUMBER	A	B
3/4 COPPER	3 5/8 x 4 1/4	2	7 1/4	6 7/16
	4 1/4 x 4 1/4	3A	6 15/16	5 11/16
1" COPPER	3 5/8 x 4 1/4	2	7 1/4	6 1/4
	4 1/4 x 4 1/4	2	6 15/16	5 15/16
1 1/4 COPPER	3 5/8 x 4 1/4	2	7 1/4	6 1/8
	4 1/4 x 4 1/4	2	6 15/16	5 13/16
1" STEEL	4 1/4 x 4 1/4	2	6 15/16	5 13/16
1 1/4 STEEL	4 1/4 x 4 1/4	2	6 15/16	5 5/8
2" STEEL	4 1/4 x 4 1/4	1	6 15/16	5 7/8



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PROJECT: \_\_\_\_\_ DATE: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 ARCHITECT: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_  
 PO NUMBER: \_\_\_\_\_



# STYLE "LV3-C / LV4-C" LINOVECTOR II

## COPPER/ALUMINUM ELEMENTS

ALL RATINGS ARE IN BTU/HR/LIN FT AND BASED ON 3 FPS VELOCITY, 65° EAT

TUBE SIZE	CATALOG DESIGNATION	FIN SIZE HEIGHT X WIDTH	FINS PER FT.	FIN THICKNESS IN INCHES	ENCL HEIGHT IN INCHES	TIERS AND CENTERS IN INCHES	MOUNTING HEIGHT IN INCHES	STEAM 215° FACTOR	HOT WATER (AVG.)								
									200°	190°	180°	170°	160°	150°	140°	130°	120°
									CORRECTION FACTORS FOR AVERAGE WATER TEMPERATURES								
								1.00	0.86	0.78	0.69	0.61	0.53	0.45	.40	.33	.26
1"	VC44	4-1/4" SQ.	40	.020	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1340 2120 2660	1150 1820 2290	1050 1650 2070	920 1460 1840	820 1290 1620	710 1120 1410	600 950 1200	540 850 1060	440 700 880	350 550 690
1"	VC45	4-1/4" SQ.	50	.020	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1510 2250 2770	1300 1940 2380	1180 1760 2160	1040 1550 1910	920 1370 1690	800 1190 1470	680 1010 1250	600 900 1110	500 740 910	390 590 720
1-1/4"	VC143	4-1/4" SQ.	32	.020	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1260 2100 2690	1080 1810 2310	980 1640 2100	870 1450 1860	770 1280 1640	670 1110 1430	570 950 1210	500 840 1080	420 690 890	330 550 700
1-1/4"	VC144	4-1/4" SQ.	40	.020	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1490 2280 2790	1280 1960 2400	1160 1780 2180	1030 1570 1930	910 1390 1700	790 1210 1480	670 1030 1260	600 910 1120	490 750 920	390 590 730
1-1/4"	VC145	4-1/4" SQ.	50	.020	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1540 2090 2560	1320 1800 2200	1200 1630 2000	1060 1440 1770	940 1270 1560	820 1110 1360	690 940 1150	620 840 1020	510 690 840	400 540 670

Note: Copper tube furnished flared one end standard.

## STEEL ELEMENTS

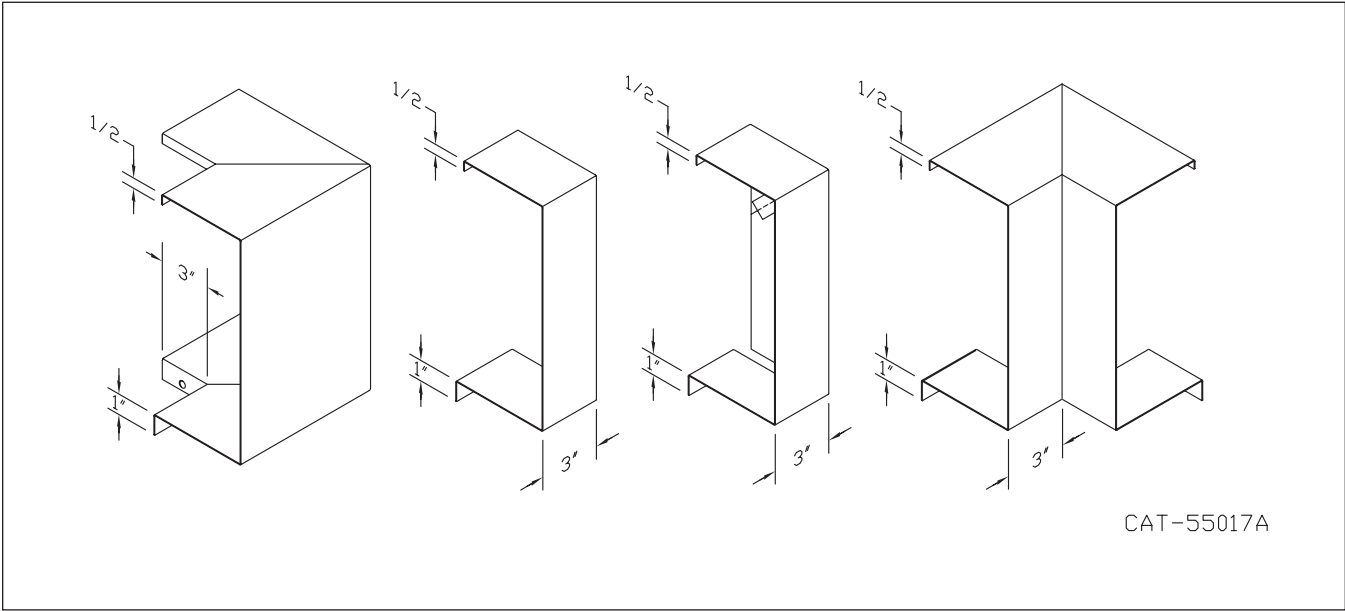
ALL RATINGS ARE IN BTU/HR/LIN FT AND BASED ON 3 FPS VELOCITY, 65° EAT

TUBE SIZE	CATALOG DESIGNATION	FIN SIZE HEIGHT X WIDTH	FINS PER FT.	FIN THICKNESS IN INCHES	ENCL HEIGHT IN INCHES	TIERS AND CENTERS IN INCHES	MOUNTING HEIGHT IN INCHES	STEAM 215° FACTOR	HOT WATER (AVG.)								
									200°	190°	180°	170°	160°	150°	140°	130°	120°
									CORRECTION FACTORS FOR AVERAGE WATER TEMPERATURES								
								1.00	0.86	0.78	0.69	0.61	0.53	0.45	.40	.33	.26
1"	VS33	3-1/4" SQ.	32	.032	5 11 17	1 2 @ 6 CL 3 @ 6 CL	8-7/8 14-7/8 20-7/8	820 1340 1760	710 1150 1510	640 1050 1370	570 920 1210	500 820 1070	430 710 930	370 600 790	330 540 700	270 440 580	210 350 460
1"	VS34	3-1/4" SQ.	40	.032	5 11 17	1 2 @ 6 CL 3 @ 6 CL	8-7/8 14-7/8 20-7/8	890 1450 1880	770 1250 1620	690 1130 1470	610 1000 1300	540 880 1150	470 770 1000	400 650 850	360 580 750	290 480 620	230 380 490
1"	VS35	3-1/4" SQ.	50	.032	5 11 17	1 2 @ 6 CL 3 @ 6 CL	8-7/8 14-7/8 20-7/8	950 1520 1960	820 1310 1690	740 1190 1530	660 1050 1350	580 930 1200	500 810 1040	430 680 880	380 610 780	310 500 650	250 400 510
1-1/4"	VS133	3-1/4" SQ.	32	.032	5 11 17	1 2 @ 6 CL 3 @ 6 CL	8-7/8 14-7/8 20-7/8	810 1380 1790	700 1190 1540	630 1080 1400	560 950 1240	490 840 1090	430 730 950	360 620 810	320 550 720	270 460 590	210 360 470
1-1/4"	VS134	3-1/4" SQ.	40	.032	5 11 17	1 2 @ 6 CL 3 @ 6 CL	8-7/8 14-7/8 20-7/8	900 1450 1800	770 1250 1550	700 1130 1400	620 1000 1240	550 880 1100	480 770 950	410 650 810	360 580 720	300 480 590	230 380 470
1-1/4"	VS135	3-1/4" SQ.	50	.032	5 11 17	1 2 @ 6 CL 3 @ 6 CL	8-7/8 14-7/8 20-7/8	930 1490 1820	800 1280 1570	730 1160 1420	640 1030 1260	570 910 1110	490 790 960	420 670 820	370 600 730	310 490 600	240 390 470
1"	VS43	4-1/4" SQ.	32	.032	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1190 1970 2440	1020 1690 2100	930 1540 1900	820 1360 1680	730 1200 1490	630 1040 1290	540 890 1100	480 790 980	390 650 810	310 510 630
1"	VS44	4-1/4" SQ.	40	.032	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1340 2080 2540	1150 1790 2180	1050 1620 1980	920 1440 1750	820 1270 1550	710 1100 1350	600 940 1140	540 830 1020	440 690 840	350 540 660
1"	VS45	4-1/4" SQ.	50	.032	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1420 2130 2580	1220 1830 2220	1110 1660 2010	980 1470 1780	870 1300 1570	750 1130 1370	640 960 1160	570 850 1030	470 700 850	370 550 670
1-1/4"	VS143	4-1/4" SQ.	32	.032	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1100 1960 2420	950 1690 2080	860 1530 1890	760 1350 1670	670 1200 1480	580 1040 1280	500 880 1090	440 780 970	360 650 800	290 510 630
1-1/4"	VS144	4-1/4" SQ.	40	.032	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1330 2070 2540	1140 1780 2180	1040 1610 1980	920 1430 1750	810 1260 1550	700 1100 1350	600 930 1140	530 830 1020	440 680 840	350 540 660
1-1/4"	VS145	4-1/4" SQ.	50	.032	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1400 2090 2560	1200 1800 2200	1090 1630 2000	970 1440 1770	850 1270 1560	740 1110 1360	630 940 1150	560 840 1020	460 690 840	360 540 670
2"	VS242	4-1/4" SQ.	25	.032	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1030 1730 2160	890 1490 1860	800 1350 1680	710 1190 1490	630 1060 1320	550 920 1140	460 780 970	410 690 860	340 570 710	270 450 560
2"	VS243	4-1/4" SQ.	32	.032	6 12 18	1 2 @ 6 CL 3 @ 6 CL	9-3/8 15-3/8 21-3/8	1190 1900 2330	1020 1630 2000	930 1480 1820	820 1310 1610	730 1160 1420	630 1010 1230	540 860 1050	480 760 930	390 630 770	310 490 610

- Notes: 1) Steel fins furnished as .032 thick, painted black.  
 2) NPT threads furnished on steel elements. Please use domestic fittings for proper installation.  
 3) The ends can be provided chamfered for field welded fittings when specified.

# STYLE "LV3-C / LV4-C" LINOVECTOR II

## STYLE C ACCESSORIES



# Design Data

## Correction Factor Chart for Non-Standard Mounting Heights

MOUNTING HEIGHT (Inches)	ENCLOSURE STYLE						
	BARE FIN ALL SIZES	FRONT OUTLET	FT (FRONT & TOP)		SLOPE		
			3 1/4" FINS	4 1/4" FINS	2 3/4" FINS	3 1/4" FINS	4 1/4" FINS
40 or more	1.000	1.000	1.000	1.000	1.000	1.000	1.000
38	1.000	1.000	1.000	1.000	1.000	1.000	1.003
36	1.000	1.004	1.005	1.005	1.006	1.007	1.009
34	1.010	1.014	1.011	1.010	1.012	1.013	1.016
32	1.020	1.024	1.017	1.015	1.019	1.020	1.025
30	1.030	1.039	1.029	1.024	1.031	1.033	1.039
29	1.040	1.049	1.035	1.029	1.038	1.040	1.045
28	1.050	1.059	1.041	1.034	1.045	1.047	1.052
27	1.060	1.069	1.046	1.039	1.051	1.053	1.059
26	1.070	1.079	1.052	1.044	1.058	1.060	1.065
25	1.080	1.089	1.058	1.049	1.065	1.067	1.072
24	1.090	1.099	1.064	1.054	1.071	1.073	1.079
23	1.100	1.109	1.070	1.059	1.078	1.080	1.085
22	1.110	1.119	1.076	1.064	1.085	1.087	1.092
21	1.120	1.129	1.082	1.069	1.091	1.093	1.099
20	1.130	1.139	1.088	1.074	1.098	1.100	1.100
19	1.140	1.149	1.089	1.075	1.100	1.100	1.100
18 or less	1.150	1.150	1.089	1.075	1.100	1.100	1.100

**TOP OUTLET "T" IS NOT AFFECTED.**

The AHRI Ratings cataloged include the factor shown for the recommended mounting height.

If the unit is to be installed at a different height than that recommended, the AHRI Rating (except for Top Outlet) must be adjusted as follows: AHRI Rating multiplied by

$$\frac{\text{Factor from Table Above for actual mounting height}}{\text{Factor from Table Above for recommended mounting height}}$$

**FORMULA:**

$$\text{Catalog Rating} \times \frac{\text{Factor at 30" Height}}{\text{Factor at 18" Height}}$$

$$\text{SOLUTION: } 1950 \times \frac{1.039}{1.150} = 1760 \text{ BTU/Hr.}$$

**DYNAMIC FORMULAS**

$$\text{BTU} = \text{GPM} \times 500 \times \text{TD}$$

$$\text{GPM} = \left( \frac{\text{BTU}}{500} \right) \div \text{TD}$$

$$\text{TD} = \left( \frac{\text{BTU}}{500} \right) \div \text{GPM}$$

# Design Data

## COMMERCIAL FINNED TUBE RATING CORRECTION CHARTS

CATALOG FINNED TUBE RATINGS ARE BASED UPON THE FOLLOWING CONDITIONS:

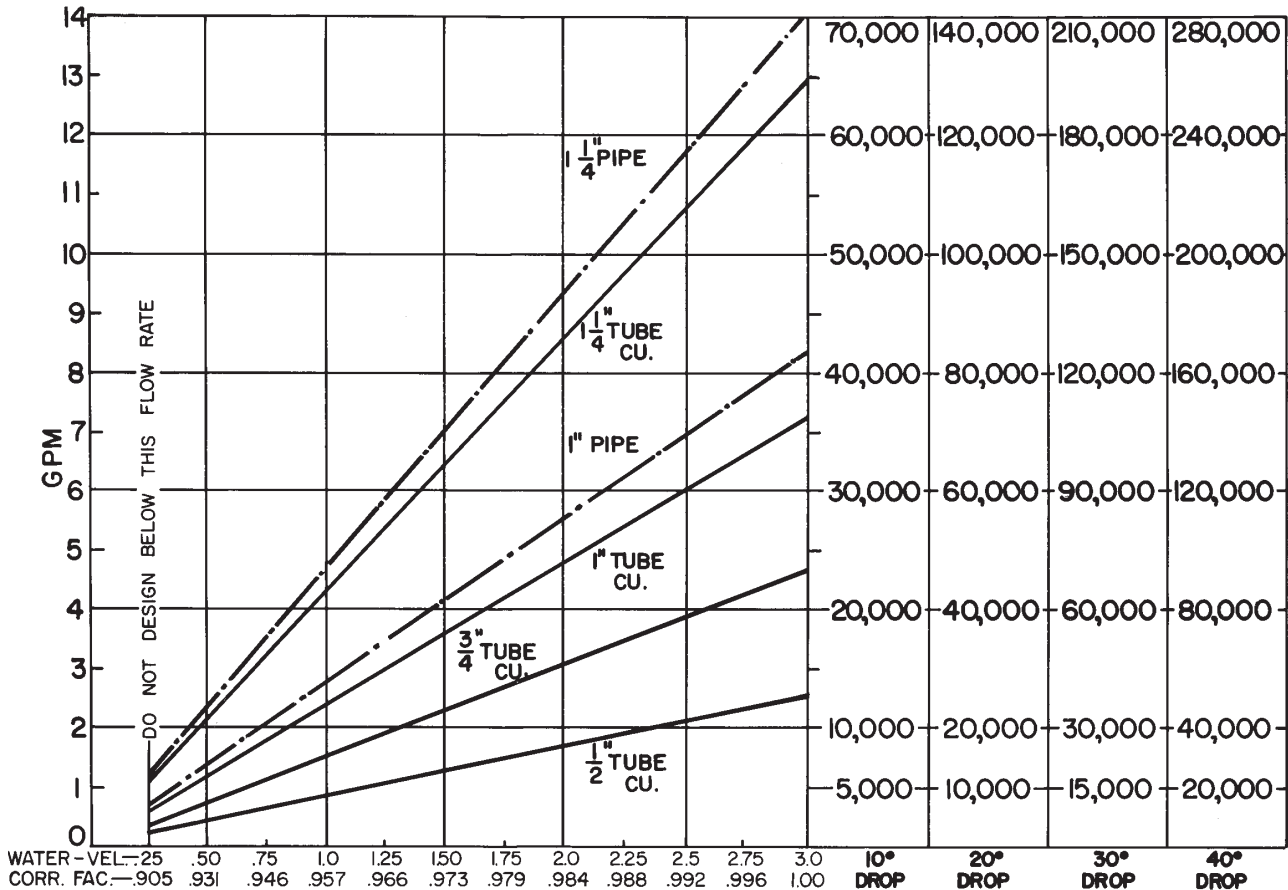
- 215°F AVERAGE WATER OR STEAM TEMPERATURE
- 65°F ENTERING AIR TEMPERATURE
- 3 FEET PER SECOND WATER FLOW RATE
- CATALOG MOUNTING HEIGHT

USE THE FOLLOWING CALCULATION WITH CORRECTION FACTORS FOR JOB CONDITIONS TO DETERMINE CORRECTED RATING:

$$\text{CORRECTED RATING} = (\text{215°F CATALOG RATING}) \times \left( \frac{\text{CORRECTION FACTOR FOR STEAM OR WATER AND AVERAGE AIR TEMP.}}{\text{CORRECTION FACTOR FOR MOUNTING HTG.-SEE CATALOG RATING}} \right) \times \left( \frac{\text{CORRECTION FACTOR FOR FLOW RATE}}{\text{CORRECTION FACTOR FOR MOUNTING HTG.-SEE CATALOG RATING}} \right)$$

USE THE FOLLOWING CHARTS TO SELECT CORRECTION FACTORS

### CHART/WATER VEL./CORR. FACTOR / PRESS. DROP/TOTAL BTU.

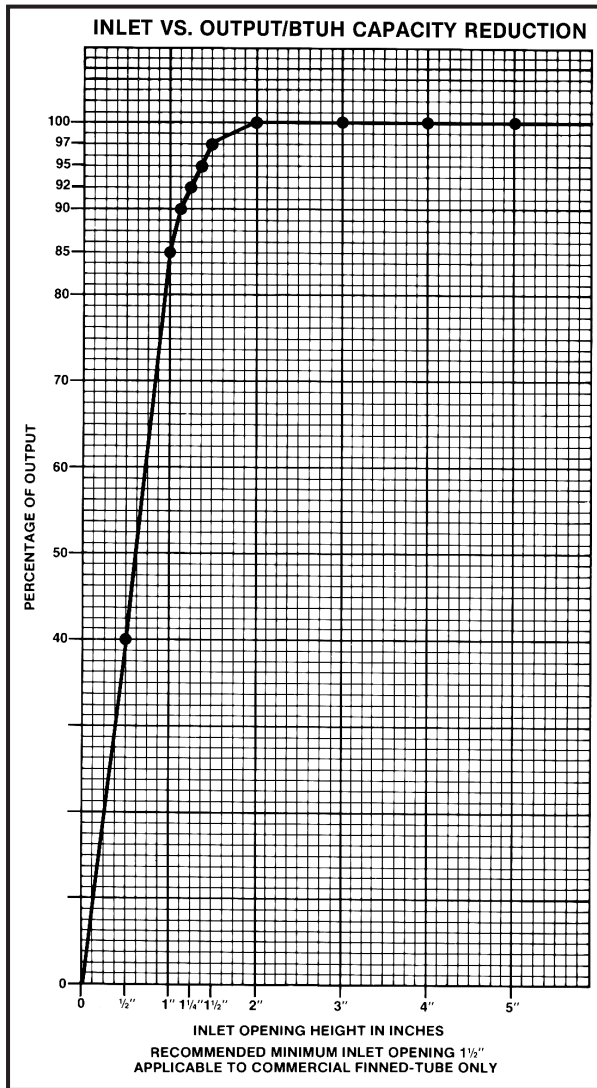


1/2" COP. ALUM.	.180		2.33		5.33		9.16									
3/4" COP. ALUM.	.5		1.5		3.16		5.4	6.25								
1" COP. ALUM.	.233	.41		.83	1.45	2.16	2.83	3.66								
1" PIPE		.37	.79	1.3	2.00	2.70	3.70	4.80								
1 1/4" COP. ALUM.	.16	.33	.55	.79	1.08	1.33	1.8	2.25	2.26	2.91	3.3					
1 1/4" PIPE	.09	.18	.31	.5	.70	1.0	1.1	1.3	1.6	1.8	2.58	2.3	3.3			

PRESSURE DROP PER 100 LINEAR FT., IN FEET OF HEAD

# Design Data

## INLET AIR CORRECTION FACTOR



### GUARANTEED WORKING PRESSURES

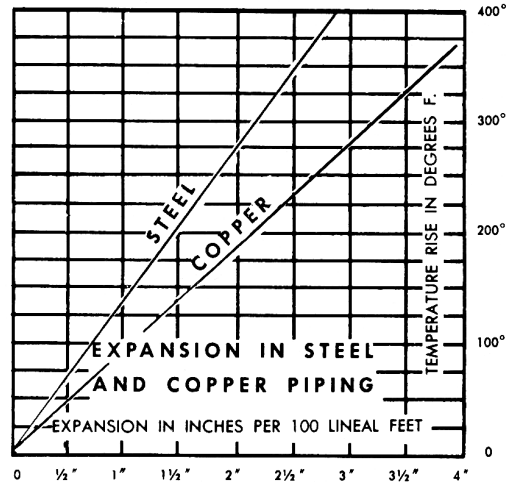
- 1" IPS — 780 AT TEMPERATURES UP TO 650°F.
  - 1 1/4" IPS — 660 AT TEMPERATURES UP TO 650°F.
  - 2" IPS — 405 AT TEMPERATURES UP TO 650°F.
  - 1 1/4" CU — 194 AT TEMPERATURES UP TO 300°F.
  - 1" CU — 204 AT TEMPERATURES UP TO 300°F.
  - 3/4" CU — 218 PSI AT TEMPERATURES UP TO 300°F.
- MAXIMUM PRESSURES AT OTHER TEMPERATURES ARE AVAILABLE UPON REQUEST.

### RATE OF PITCH FOR STEAM 1/2" DROP OVER 20 FT. RUN.

PIPE WATER CAPACITIES AND QUANTITIES CIRCULATED AT VELOCITY OF 3* FEET PER SECOND			
Pipe Size	Gals. Per Linear Ft.	Gals./Min. @ 3' Sec. Vel.*	Lbs./Hr. @ 3' Sec. Vel.*
1/2"	.016	2.88	1440
3/4"	.023	4.14	2070
1"	.040	7.20	3600
1 1/4"	.063	11.34	5660
1 1/2"	.102	18.36	9160
2"	.170	30.60	15300
2 1/2"	.275	49.50	24850
3"	.390	70.20	35000

\*3 Ft./Sec. Velocity is Basic for Hot Water Rating Factors Shown on this Page.

$$\text{VELOCITY FT./SEC.} = \frac{\text{LBS. PER HOUR}}{(\text{GALS. PER FT.}) (3600) (8.3)}$$



## GLYCOL CORRECTION FACTORS

### Fluid Temperature 200°F

% Solution	Ethylene Glycol	Propylene Glycol
20	.952	.988
30	.921	.968
40	.888	.943
50	.852	.912

### Fluid Temperature 180°F

% Solution	Ethylene Glycol	Propylene Glycol
20	.946	.982
30	.913	.961
40	.879	.934
50	.842	.902

### Fluid Temperature 140°F

% Solution	Ethylene Glycol	Propylene Glycol
20	.934	.97
30	.898	.946
40	.861	.916
50	.821	.881

## ALTITUDE FACTORS

Approximate factors for convective heat value at varying altitudes

Altitude	Ferrous Units	Copper Alum. Units
Sea Level	1.000	1.000
1,000 ft.	.984	.969
2,000 ft.	.968	.938
3,000 ft.	.952	.908
4,000 ft.	.936	.878
5,000 ft.	.920	.850
6,000 ft.	.904	.822
7,000 ft.	.889	.795
8,000 ft.	.874	.768
9,000 ft.	.859	.743
10,000 ft.	.844	.718
15,000 ft.	.771	.603
20,000 ft.	.703	.502

# Design Data

## CORRECTION FACTORS FOR STEAM PRESSURES AND AIR TEMPERATURES OTHER THAN STANDARD

STEAM		ENTERING AIR TEMPERATURE, °F														
Pressure		Temp.			STD											
Gauge	Abs. Psi	°F	45	55	65	70	75	80	85	90	100	110	120	130	140	150
(Vac) 15" Hg	7.32	178.9	0.90	0.80	0.70	0.65	0.60	0.56	0.51	0.45	0.39	0.32	0.25	0.18	0.13	0.08
(Vac) 10"	9.78	192.2	1.02	0.91	0.81	0.76	0.71	0.66	0.62	0.55	0.48	0.40	0.33	0.26	0.20	0.14
(Vac) 5"	12.25	202.9	1.11	1.00	0.90	0.85	0.79	0.75	0.70	0.63	0.56	0.48	0.40	0.33	0.27	0.20
(Vac) 0 Psi	14.696	212.0	1.19	1.09	0.97	0.92	0.87	0.82	0.77	0.70	0.63	0.54	0.46	0.38	0.31	0.25
▶ .899	15.595	215.0	1.22	1.11	1.00	0.95	0.90	0.84	0.80	0.75	0.65	0.57	0.48	0.40	0.33	0.26
5	19.70	227.1	1.34	1.22	1.11	1.05	1.00	0.95	0.90	0.81	0.75	0.66	0.57	0.49	0.41	0.34
10	24.70	239.4	1.45	1.33	1.22	1.17	1.11	1.05	1.00	0.91	0.85	0.75	0.66	0.58	0.50	0.42
15	29.70	249.8	1.55	1.43	1.31	1.26	1.20	1.14	1.09	1.00	0.94	0.84	0.75	0.66	0.57	0.49
20	34.70	258.8	1.63	1.52	1.40	1.33	1.28	1.23	1.17	1.07	1.02	0.92	0.82	0.73	0.64	0.55
25	39.70	266.8	1.71	1.59	1.47	1.41	1.36	1.30	1.25	1.15	1.09	0.98	0.89	0.80	0.71	0.62
30	44.70	274.0	1.78	1.66	1.54	1.48	1.42	1.37	1.31	1.21	1.15	1.05	0.95	0.85	0.76	0.68
40	54.70	286.7	1.91	1.79	1.66	1.61	1.54	1.49	1.43	1.32	1.27	1.16	1.06	0.97	0.87	0.78
50	64.70	297.7	2.02	1.90	1.77	1.71	1.65	1.60	1.54	1.42	1.37	1.26	1.16	1.06	0.96	0.87
60	74.70	307.3	2.10	2.00	1.87	1.81	1.75	1.69	1.63	1.51	1.47	1.35	1.25	1.15	1.05	0.95
70	84.70	316.0	2.20	2.09	1.95	1.89	1.83	1.77	1.71	1.59	1.55	1.44	1.33	1.23	1.12	1.03
80	94.70	323.9	2.27	2.17	2.03	1.97	1.91	1.85	1.80	1.69	1.63	1.52	1.41	1.31	1.20	1.10
90	104.70	331.2	2.36	2.24	2.11	2.05	1.98	1.93	1.87	1.74	1.70	1.59	1.48	1.38	1.28	1.17
100	114.70	337.9	2.43	2.31	2.18	2.11	2.05	2.00	1.94	1.81	1.77	1.65	1.54	1.44	1.33	1.23
125	139.70	352.9	2.59	2.47	2.33	2.27	2.21	2.16	2.10	1.96	1.92	1.80	1.69	1.59	1.48	1.38
150	164.70	365.9	2.73	2.62	2.47	2.43	2.35	2.29	2.23	2.08	2.05	1.94	1.82	1.72	1.61	1.51
175	189.70	377.4	2.86	2.74	2.60	2.54	2.47	2.41	2.35	2.21	2.17	2.05	1.95	1.85	1.73	1.63
200	214.70	387.8	2.95	2.85	2.71	2.63	2.58	2.52	2.47	2.31	2.29	2.17	2.06	1.96	1.84	1.75

From Keenan and Keyes — Linear Interpolation.

Note: Gauge pressure should be corrected for altitude.

## CORRECTION FACTORS FOR WATER TEMPERATURES AND AIR TEMPERATURES OTHER THAN STANDARD

AVERAGE WATER TEMP. °F	ENTERING AIR TEMPERATURE, °F														
	45	55	STD	70	75	80	85	90	95	100	110	120	130	140	150
90	.19	.13	.11	.06											
100	.25	.19	.15	.11	.08	.06									
110	.31	.25	.20	.16	.13	.11	.08	.06							
120	.38	.31	.26	.21	.19	.16	.13	.11	.08	.06					
130	.45	.38	.33	.28	.25	.21	.19	.16	.13	.11	.06				
140	.53	.45	.40	.34	.31	.28	.25	.21	.19	.16	.11	.06			
150	.61	.53	.45	.41	.38	.34	.31	.28	.25	.21	.16	.11	.06		
160	.69	.61	.53	.49	.45	.41	.38	.34	.31	.28	.21	.16	.11	.06	
170	.77	.69	.61	.57	.53	.49	.45	.41	.38	.34	.28	.21	.16	.11	.06
180	.86	.77	.69	.65	.61	.57	.53	.49	.45	.41	.34	.28	.21	.16	.11
190	.95	.86	.78	.73	.69	.65	.61	.57	.53	.49	.41	.34	.28	.21	.16
200	1.05	.95	.86	.82	.77	.73	.69	.65	.61	.57	.49	.41	.34	.28	.21
210	1.14	1.05	.95	.91	.86	.82	.77	.73	.69	.65	.57	.49	.41	.34	.28
▶ 215 (STD.)	1.19	1.09	1.00	.95	.91	.86	.82	.77	.73	.69	.61	.53	.45	.38	.31
220	1.24	1.14	1.05	1.00	.95	.91	.86	.82	.77	.73	.65	.57	.49	.41	.34
230	1.34	1.24	1.14	1.09	1.05	1.00	.95	.91	.86	.82	.73	.65	.57	.49	.41
240	1.44	1.34	1.25	1.19	1.14	1.09	1.05	1.00	.95	.91	.82	.73	.65	.57	.49
250	1.55	1.44	1.34	1.29	1.24	1.19	1.14	1.09	1.05	1.00	.91	.82	.73	.65	.57
260	1.66	1.55	1.44	1.39	1.34	1.29	1.24	1.19	1.14	1.09	1.00	.91	.82	.73	.65
270	1.76	1.66	1.55	1.50	1.44	1.39	1.34	1.29	1.24	1.19	1.09	1.00	.91	.82	.73
280	1.87	1.76	1.66	1.60	1.55	1.50	1.44	1.39	1.34	1.29	1.19	1.09	1.00	.91	.82
290	1.99	1.87	1.76	1.71	1.66	1.60	1.55	1.50	1.44	1.39	1.29	1.19	1.09	1.00	.91
300	2.10	1.99	1.87	1.82	1.76	1.71	1.66	1.60	1.55	1.50	1.39	1.29	1.19	1.09	1.00