

AMERICAN RADIATORS



Ratings,
Dimensions and Data

AMERICAN RADIATOR COMPANY

DIVISION OF AMERICAN RADIATOR & STANDARD SANITARY CORPORATION

40 West 40th Street, New York, N. Y.

AMERICAN RADIATORS

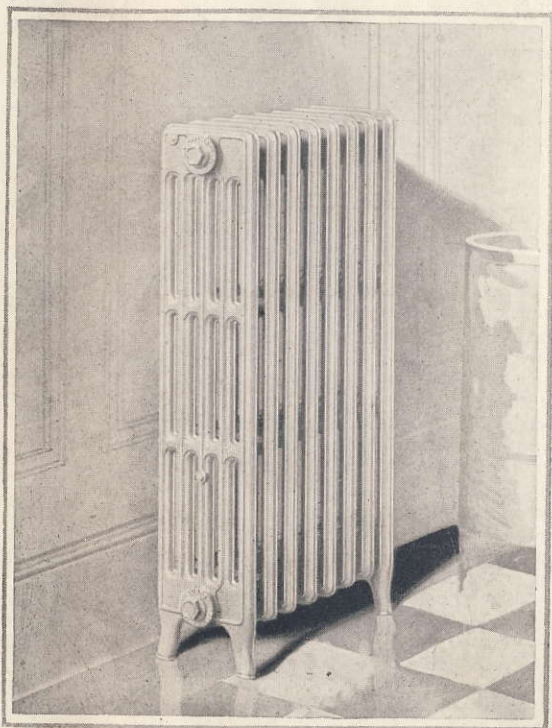
INDEX

Arco Convectors , illustrations and description	31-49
Dimensions and Ratings	50-54, 60
Arco Radiant Convectors , illustrations and description	28-29
Dimensions	30
Ratings	51-54-60
Arco Radiators , illustration	14
Dimensions and Ratings	15-16-17
Radiator Brackets	18
Radiator Pedestals	18
Corto Radiators , illustration	2
Dimensions and Ratings	3-7
Radiator Brackets, Concealed	8
Radiator Brackets, Malleable	8
Radiator Pedestals	12
Radiator Wrenches	12
Special Shapes	12
Tappings and Measurements	13
Corto Hospital Radiators , illustration	9
Dimensions and Ratings	10-11
Fantom Radiators , illustration	19
Data when used with Campbell Metal Window	25-27
Dimensions, Ratings, Tappings, etc.	20-24
Indirect Radiators	
Perfection Pin, illustrations and description	83
Sanitary School Pin, illustrations and description	84
Wrenches	12
Murray Radiators , illustrations and description	55
Dimensions and Ratings	56-60
Peerless Wall Radiators , illustrations	61-62
Arco Adjustable Wall Brackets	72-75
Peerless Wall and Ceiling Brackets	76
Assemblages, various types of, ordering by number	64-71
Data on Assemblages	61-63
Directions for ordering	64
Key to numbering on assemblages	66
Measurements	63-65
Spacing saddle	71
Peerless Bathroom Radiators , illustration and measurements	78
Vento Cast Iron Heaters , illustrations and description	79-81
Measurements	82
Vento Radiator Wrenches	12
Miscellaneous	
Portable Ventilating Box-Base	77
Radiator Wrenches for all Direct Radiators	12
Ideal-Arco Accessories	85
Wall Boxes	77

Copyrighted 1937
AMERICAN RADIATOR COMPANY

AMERICAN RADIATORS

AMERICAN CORTO RADIATORS



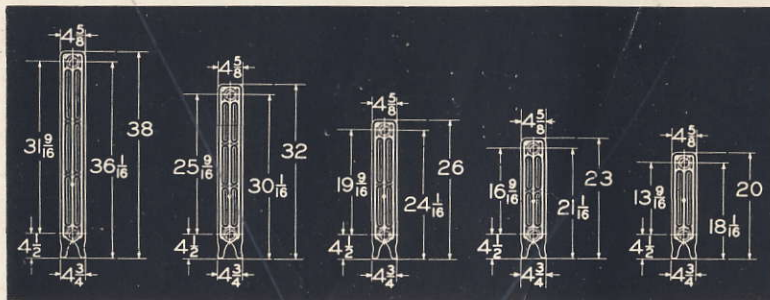
Patented

THE RADIATOR CLASSIC

NAMED after its famous artist-engineer designer, M. Courtot, the American Corto Radiator is today the most popular radiator in America and in fact throughout the world.

AMERICAN RADIATORS

AMERICAN CORTO RADIATORS Three-Tube—Dimensions and Ratings



WIDTH, $4\frac{5}{8}$ INCHES; CENTERS, $2\frac{1}{2}$ INCHES

Number of Sections	* Length $2\frac{1}{2}$ Inches Per Section	HEATING SURFACE—SQUARE FEET Based upon Engineering Standard of 240 B.t.u. emission per Square Foot per Hour				
		20-inch Height	23-inch Height	26-inch Height	32-inch Height	38-inch Height
		$1\frac{3}{4}$ Sq. Ft. Per Section	2 Sq. Ft. Per Section	$2\frac{3}{8}$ Sq. Ft. Per Section	3 Sq. Ft. Per Section	$3\frac{1}{2}$ Sq. Ft. Per Section
2	5	3½	4	4½	6	7
3	7½	5¼	6	7	9	10½
4	10	7	8	9½	12	14
5	12½	8¾	10	11½	15	17½
6	15	10½	12	14	18	21
7	17½	12¼	14	16½	21	24½
8	20	14	16	18½	24	28
9	22½	15¾	18	21	27	31½
10	25	17½	20	23½	30	35
11	27½	19¼	22	25½	33	38½
12	30	21	24	28	36	42
13	32½	22¾	26	30½	39	45½
14	35	24½	28	32½	42	49
15	37½	26¼	30	35	45	52½
16	40	28	32	37½	48	56
17	42½	29¾	34	39½	51	59½
18	45	31½	36	42	54	63
19	47½	33¼	38	44½	57	66½
20	50	35	40	46½	60	70
21	52½	36¾	42	49	63	73½
22	55	38½	44	51½	66	77
23	57½	40¼	46	53½	69	80½
24	60	42	48	56	72	84
25	62½	43¾	50	58½	75	87½
26	65	45½	52	60½	78	91
27	67½	47¼	54	63	81	94½
28	70	49	56	65½	84	98
29	72½	50¾	58	67½	87	101½
30	75	52½	60	70	90	105

TAPPINGS— $1\frac{1}{2}$ inches top and bottom. Bushed for steam or water as per specifications.

Can be supplied on special order with 6-inch legs, or without legs at no extra charge. For height of loop section only, subtract 3 inches from total height as shown above.

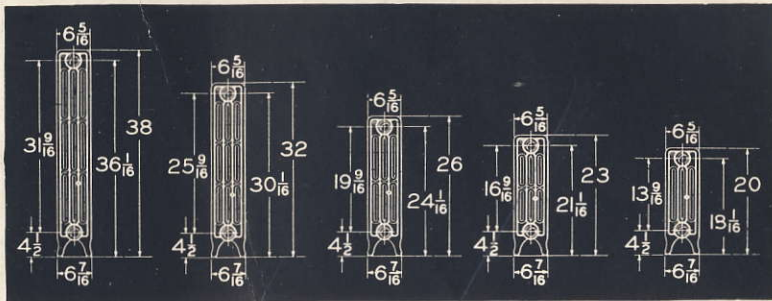
CONNECTIONS—Both steam and water—extra heavy $1\frac{1}{2}$ -inch right and left threaded nipples at top and bottom.

* Add $\frac{1}{2}$ inch to length for each bushing.

AMERICAN RADIATORS

AMERICAN CORTO RADIATORS

Four-Tube—Dimensions and Ratings



WIDTH, $6\frac{5}{16}$ INCHES; CENTERS, $2\frac{1}{2}$ INCHES

Number of Sections	* Length $2\frac{1}{2}$ Inches Per Section	HEATING SURFACE—SQUARE FEET Based upon Engineering Standard of 240 B.t.u. emission per Square Foot per Hour				
		20-inch Height	23-inch Height	26-inch Height	32-inch Height	38-inch Height
		$2\frac{1}{4}$ Sq. Ft. Per Section	$2\frac{1}{4}$ Sq. Ft. Per Section	$2\frac{3}{4}$ Sq. Ft. Per Section	$3\frac{1}{4}$ Sq. Ft. Per Section	$4\frac{1}{4}$ Sq. Ft. Per Section
2	5	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	7	8 $\frac{1}{2}$
3	7 $\frac{1}{2}$	6 $\frac{3}{4}$	7 $\frac{1}{2}$	8 $\frac{1}{2}$	10 $\frac{1}{2}$	12 $\frac{3}{4}$
4	10	9	10	11	14	17
5	12 $\frac{1}{2}$	11 $\frac{1}{4}$	12 $\frac{1}{2}$	13 $\frac{3}{4}$	17 $\frac{1}{2}$	21 $\frac{1}{4}$
6	15	13 $\frac{1}{2}$	15	16 $\frac{1}{2}$	21	25 $\frac{1}{2}$
7	17 $\frac{1}{2}$	15 $\frac{3}{4}$	17 $\frac{1}{2}$	19 $\frac{1}{4}$	24 $\frac{1}{2}$	29 $\frac{3}{4}$
8	20	18	20	22	28	34
9	22 $\frac{1}{2}$	20 $\frac{1}{4}$	22 $\frac{1}{2}$	24 $\frac{3}{4}$	31 $\frac{1}{2}$	38 $\frac{1}{2}$
10	25	22 $\frac{1}{2}$	25	27 $\frac{1}{2}$	35	42 $\frac{1}{2}$
11	27 $\frac{1}{2}$	24 $\frac{3}{4}$	27 $\frac{1}{2}$	30 $\frac{3}{4}$	38 $\frac{1}{2}$	46 $\frac{3}{4}$
12	30	27	30	33	42	51
13	32 $\frac{1}{2}$	29 $\frac{1}{4}$	32 $\frac{1}{2}$	35 $\frac{3}{4}$	45 $\frac{1}{2}$	55 $\frac{1}{4}$
14	35	31 $\frac{1}{2}$	35	38 $\frac{1}{2}$	49	59 $\frac{1}{2}$
15	37 $\frac{1}{2}$	33 $\frac{3}{4}$	37 $\frac{1}{2}$	41 $\frac{1}{4}$	52 $\frac{1}{2}$	63 $\frac{3}{4}$
16	40	36	40	44	56	68
17	42 $\frac{1}{2}$	38 $\frac{1}{4}$	42 $\frac{1}{2}$	46 $\frac{3}{4}$	59 $\frac{1}{2}$	72 $\frac{1}{4}$
18	45	40 $\frac{1}{2}$	45	49 $\frac{1}{2}$	63	76 $\frac{1}{2}$
19	47 $\frac{1}{2}$	42 $\frac{3}{4}$	47 $\frac{1}{2}$	52 $\frac{1}{4}$	66 $\frac{1}{2}$	80 $\frac{3}{4}$
20	50	45	50	55	70	85
21	52 $\frac{1}{2}$	47 $\frac{1}{4}$	52 $\frac{1}{2}$	57 $\frac{3}{4}$	73 $\frac{1}{2}$	89 $\frac{1}{4}$
22	55	49 $\frac{1}{2}$	55	60 $\frac{1}{2}$	77	93 $\frac{1}{2}$
23	57 $\frac{1}{2}$	51 $\frac{3}{4}$	57 $\frac{1}{2}$	63 $\frac{1}{4}$	80 $\frac{1}{2}$	97 $\frac{3}{4}$
24	60	54	60	66	84	102
25	62 $\frac{1}{2}$	56 $\frac{1}{4}$	62 $\frac{1}{2}$	68 $\frac{3}{4}$	87 $\frac{1}{2}$	106 $\frac{1}{2}$
26	65	58 $\frac{1}{2}$	65	71 $\frac{1}{2}$	91	110 $\frac{3}{4}$
27	67 $\frac{1}{2}$	60 $\frac{3}{4}$	67 $\frac{1}{2}$	74 $\frac{1}{4}$	94 $\frac{1}{2}$	114 $\frac{3}{4}$
28	70	63	70	77	98	119
29	72 $\frac{1}{2}$	65 $\frac{1}{4}$	72 $\frac{1}{2}$	79 $\frac{3}{4}$	101 $\frac{1}{2}$	123 $\frac{1}{4}$
30	75	67 $\frac{1}{2}$	75	82 $\frac{1}{2}$	105	127 $\frac{1}{2}$

TAPPINGS— $1\frac{1}{2}$ inches top and bottom. Bushed for steam or water as per specifications.

Can be supplied on special order with 6-inch legs, or without legs at no extra charge.

For height of loop section only, subtract 3 inches from total height as shown above.

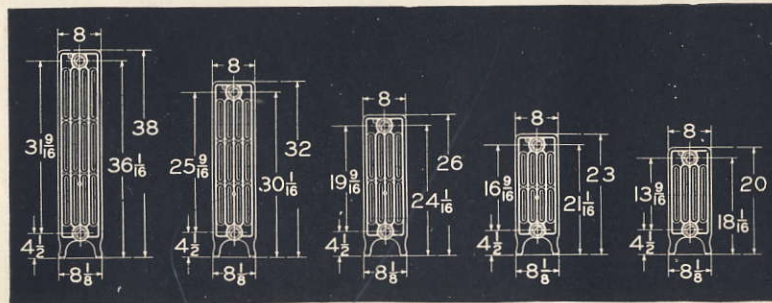
CONNECTIONS—Both steam and water—extra heavy $1\frac{1}{2}$ -inch right and left threaded nipples at top and bottom.

• Add $\frac{1}{2}$ inch to length for each bushing.

AMERICAN RADIATORS

AMERICAN CORTO RADIATORS

Five-Tube—Dimensions and Ratings



WIDTH, 8 INCHES; CENTERS, $2\frac{1}{2}$ INCHES

Number of Sections	* Length $2\frac{1}{2}$ Inches Per Section	HEATING SURFACE—SQUARE FEET Based upon Engineering Standard of 240 B.t.u. emission per Square Foot per Hour				
		20-inch Height	23-inch Height	26-inch Height	32-inch Height	38-inch Height
		$2\frac{1}{4}$ Sq. Ft. Per Section	$2\frac{1}{4}$ Sq. Ft. Per Section	$3\frac{1}{2}$ Sq. Ft. Per Section	$4\frac{1}{2}$ Sq. Ft. Per Section	5 Sq. Ft. Per Section
2	5	5 $\frac{1}{2}$	6	7	8 $\frac{1}{2}$	10
3	7 $\frac{1}{2}$	8	9	10 $\frac{1}{2}$	13	15
4	10	10 $\frac{1}{2}$	12	14	17 $\frac{1}{2}$	20
5	12 $\frac{1}{2}$	13 $\frac{1}{2}$	15	17 $\frac{1}{2}$	21 $\frac{3}{4}$	25
6	15	16	18	21	26	30
7	17 $\frac{1}{2}$	18 $\frac{1}{2}$	21	24 $\frac{1}{2}$	30 $\frac{1}{2}$	35
8	20	21 $\frac{1}{2}$	24	28	34 $\frac{1}{2}$	40
9	22 $\frac{1}{2}$	24	27	31 $\frac{1}{2}$	39	45
10	25	26 $\frac{1}{2}$	30	35	43 $\frac{1}{2}$	50
11	27 $\frac{1}{2}$	29 $\frac{1}{2}$	33	38 $\frac{1}{2}$	47 $\frac{1}{2}$	55
12	30	32	36	42	52	60
13	32 $\frac{1}{2}$	34 $\frac{1}{2}$	39	45 $\frac{1}{2}$	56 $\frac{1}{2}$	65
14	35	37 $\frac{1}{2}$	42	49	60 $\frac{3}{4}$	70
15	37 $\frac{1}{2}$	40	45	52 $\frac{1}{2}$	65	75
16	40	42 $\frac{1}{2}$	48	56	69 $\frac{1}{2}$	80
17	42 $\frac{1}{2}$	45 $\frac{1}{2}$	51	59 $\frac{1}{2}$	73 $\frac{1}{2}$	85
18	45	48	54	63	78	90
19	47 $\frac{1}{2}$	50 $\frac{1}{2}$	57	66 $\frac{1}{2}$	82 $\frac{1}{2}$	95
20	50	53 $\frac{1}{2}$	60	70	86 $\frac{1}{2}$	100
21	52 $\frac{1}{2}$	56	63	73 $\frac{1}{2}$	91	105
22	55	58 $\frac{1}{2}$	66	77	95 $\frac{1}{2}$	110
23	57 $\frac{1}{2}$	61 $\frac{1}{2}$	69	80 $\frac{1}{2}$	99 $\frac{1}{2}$	115
24	60	64	72	84	104	120
25	62 $\frac{1}{2}$	66 $\frac{1}{2}$	75	87 $\frac{1}{2}$	108 $\frac{1}{2}$	125
26	65	69 $\frac{1}{2}$	78	91	112 $\frac{1}{2}$	130
27	67 $\frac{1}{2}$	72	81	94 $\frac{1}{2}$	117	135
28	70	74 $\frac{1}{2}$	84	98	121 $\frac{1}{2}$	140
29	72 $\frac{1}{2}$	77 $\frac{1}{2}$	87	101 $\frac{1}{2}$	125 $\frac{1}{2}$	145
30	75	80	90	105	130	150

TAPPINGS— $1\frac{1}{2}$ inches top and bottom. Bushed for steam or water as per specifications.

Can be supplied on special order with 6-inch legs, or without legs at no extra charge.

For height of loop section only, subtract 3 inches from total height as shown above.

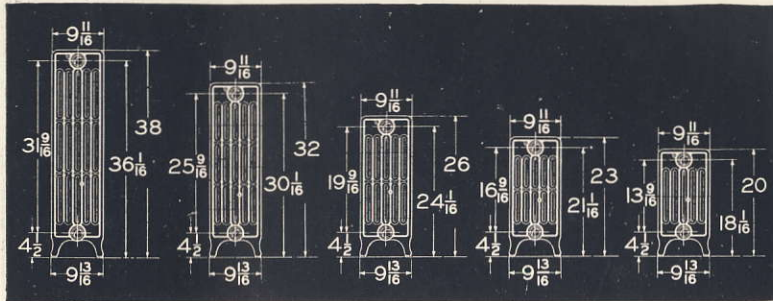
CONNECTIONS—Both steam and water—extra heavy $1\frac{1}{2}$ -inch right and left threaded nipples at top and bottom.

• Add $\frac{1}{2}$ inch to length for each bushing.

AMERICAN RADIATORS

AMERICAN CORTO RADIATORS

Six-Tube—Dimensions and Ratings



WIDTH, 9 11/16 INCHES; CENTERS, 2 1/2 INCHES

Number of Sections	* Length 2 1/2 Inches Per Section	HEATING SURFACE—SQUARE FEET Based upon Engineering Standard of 240 B.t.u. emission per Square Foot per Hour				
		20-inch Height 3 Sq. Ft. Per Section	23-inch Height 3 1/2 Sq. Ft. Per Section	26-inch Height 4 Sq. Ft. Per Section	32-inch Height 5 Sq. Ft. Per Section	38-inch Height 6 Sq. Ft. Per Section
		2	5	6	7	8	10	12
3	7 1/2	9	10 1/2	12	15	18
4	10	12	14	16	20	24
5	12 1/2	15	17 1/2	20	25	30
6	15	18	21	24	30	36
7	17 1/2	21	24 1/2	28	35	42
8	20	24	28	32	40	48
9	22 1/2	27	31 1/2	36	45	54
10	25	30	35	40	50	60
11	27 1/2	33	38 1/2	44	55	66
12	30	36	42	48	60	72
13	32 1/2	39	45 1/2	52	65	78
14	35	42	49	56	70	84
15	37 1/2	45	52 1/2	60	75	90
16	40	48	56	64	80	96
17	42 1/2	51	59 1/2	68	85	102
18	45	54	63	72	90	108
19	47 1/2	57	66 1/2	76	95	114
20	50	60	70	80	100	120
21	52 1/2	63	73 1/2	84	105	126
22	55	66	77	88	110	132
23	57 1/2	69	80 1/2	92	115	138
24	60	72	84	96	120	144
25	62 1/2	75	87 1/2	100	125	150
26	65	78	91	104	130	156
27	67 1/2	81	94 1/2	108	135	162
28	70	84	98	112	140	168
29	72 1/2	87	101 1/2	116	145	174
30	75	90	105	120	150	180

TAPPINGS—1 1/2 inches top and bottom. Bushed for steam or water as per specifications.

Can be supplied on special order with 6-inch legs, or without legs at no extra charge. For height of loop section only, subtract 3 inches from total height as shown above.

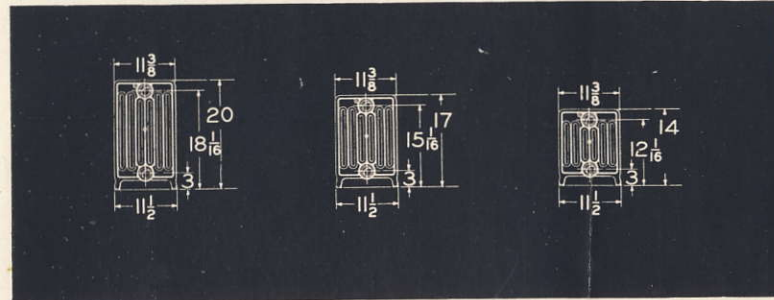
CONNECTIONS—Both steam and water—extra heavy 1 1/2-inch right and left threaded nipples at top and bottom.

• Add 1/2 inch to length for each bushing.

AMERICAN RADIATORS

AMERICAN CORTO WINDOW RADIATORS

Seven-Tube—Dimensions and Ratings



WIDTH, 11 3/8 INCHES; CENTERS, 2 1/2 INCHES

Number of Sections	* Length 2 1/2 Inches Per Section	HEATING SURFACE—SQUARE FEET Based upon Engineering Standard of 240 B.t.u. emission per Square Foot per Hour		
		14-inch Height 2 1/2 Sq. Ft. Per Section	17-inch Height 3 Sq. Ft. Per Section	20-inch Height 3 1/2 Sq. Ft. Per Section
		2	5	5	6	7 1/2
3	7 1/2	7 1/2	9	11
4	10	10	12	14 1/2
5	12 1/2	12 1/2	15	18 1/2
6	15	15	18	22
7	17 1/2	17 1/2	21	25 1/2
8	20	20	24	29 1/2
9	22 1/2	22 1/2	27	33
10	25	25	30	36 1/2
11	27 1/2	27 1/2	33	40 1/2
12	30	30	36	44
13	32 1/2	32 1/2	39	47 1/2
14	35	35	42	51 1/2
15	37 1/2	37 1/2	45	55
16	40	40	48	58 1/2
17	42 1/2	42 1/2	51	62 1/2
18	45	45	54	66
19	47 1/2	47 1/2	57	69 1/2
20	50	50	60	73 1/2
21	52 1/2	52 1/2	63	77
22	55	55	66	80 1/2
23	57 1/2	57 1/2	69	84 1/2
24	60	60	72	88
25	62 1/2	62 1/2	75	91 1/2
26	65	65	78	95 1/2
27	67 1/2	67 1/2	81	99
28	70	70	84	102 1/2
29	72 1/2	72 1/2	87	106 1/2
30	75	75	90	110

TAPPINGS—1 1/2 inches top and bottom. Bushed for steam or water as per specifications.

Can be supplied on special order with 4 1/2-inch legs, or without legs at no extra charge.

For height of loop section only, subtract 1 1/2 inches from total height as shown above.

CONNECTIONS—Both steam and water—extra heavy 1 1/2-inch right and left threaded nipples at top and bottom.

• Add 1/2 inch to length for each bushing.

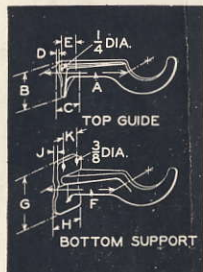
AMERICAN RADIATORS

AMERICAN CORTO CONCEALED RADIATOR BRACKETS

DIMENSIONS



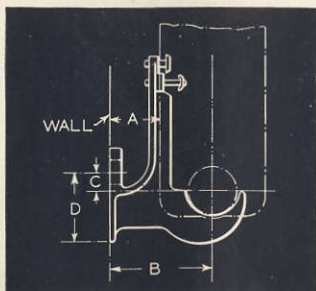
Type of Radiator	A	B	C	E	D						
					14	17	20	23	26	32	38
Three Tube	$3\frac{1}{16}$	6	$2\frac{15}{16}$	$2\frac{7}{16}$	...	...	$14\frac{1}{16}$	$17\frac{1}{16}$	$20\frac{1}{16}$	$26\frac{1}{16}$	32
Four Tube	$4\frac{1}{2}$	$7\frac{5}{8}$	$2\frac{15}{16}$	$2\frac{7}{16}$	...	...	$14\frac{1}{16}$	$17\frac{1}{16}$	$20\frac{1}{16}$	$26\frac{1}{16}$	32
Five Tube	$5\frac{3}{8}$	$9\frac{3}{8}$	$2\frac{15}{16}$	$2\frac{7}{16}$	...	...	$14\frac{1}{16}$	$17\frac{1}{16}$	$20\frac{1}{16}$	$26\frac{1}{16}$	32
Six Tube	$6\frac{3}{16}$	11	$2\frac{15}{16}$	$2\frac{7}{16}$	...	...	$14\frac{1}{16}$	$17\frac{1}{16}$	$20\frac{1}{16}$	$26\frac{1}{16}$	32
Seven Tube											
Window	7	$12\frac{11}{16}$	$2\frac{15}{16}$	$2\frac{7}{16}$	$9\frac{9}{16}$	$12\frac{9}{16}$	$15\frac{9}{16}$	...	...	...	...



Type of Radiator	Top Bracket					Bottom Bracket				
	A	B	C	D	E	F	G	H	J	K
Three Tube	$3\frac{1}{16}$	$2\frac{5}{8}$	$1\frac{3}{4}$	$\frac{5}{16}$	1	$3\frac{11}{16}$	$4\frac{3}{8}$	$2\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{4}$
Four Tube	$4\frac{1}{2}$	$2\frac{5}{8}$	$1\frac{3}{4}$	$\frac{5}{16}$	1	$4\frac{1}{2}$	$4\frac{3}{8}$	$2\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{4}$
Five Tube	$5\frac{3}{8}$	$2\frac{5}{8}$	$1\frac{3}{4}$	$\frac{5}{16}$	1	$5\frac{3}{8}$	$4\frac{3}{8}$	$2\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{4}$
Six Tube	$6\frac{3}{16}$	$2\frac{5}{8}$	$1\frac{3}{4}$	$\frac{5}{16}$	1	$6\frac{3}{16}$	$4\frac{3}{4}$	$2\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{4}$
Seven Tube										
Window	7	$2\frac{5}{8}$	$1\frac{3}{4}$	$\frac{5}{16}$	1	7	$1\frac{3}{8}$	$2\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{4}$

AMERICAN CORTO MALLEABLE RADIATOR BRACKETS

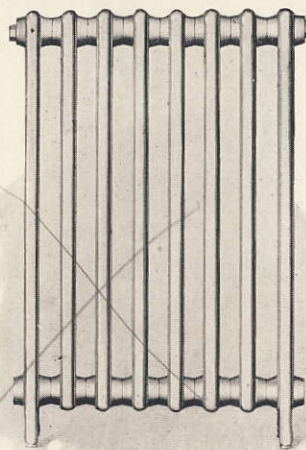
DIMENSIONS



Dimension "A" Inches	DIMENSION "B"			
	2	3	4	5
Three Tube	$4\frac{5}{16}$	$5\frac{5}{16}$	$6\frac{5}{16}$	$7\frac{5}{16}$
Four Tube	$5\frac{3}{16}$	$6\frac{3}{16}$	$7\frac{3}{16}$	$8\frac{3}{16}$
Five Tube	6	7	8	9
Six Tube	$6\frac{7}{8}$	$7\frac{7}{8}$	$8\frac{7}{8}$	$9\frac{7}{8}$
Seven Tube Window	$7\frac{3}{4}$	$8\frac{3}{4}$	$9\frac{3}{4}$	$10\frac{3}{4}$
Dimension "C"	$\frac{7}{8}$	$1\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{3}{8}$
Dimension "D"	$4\frac{3}{8}$	$4\frac{3}{8}$	$4\frac{3}{8}$	$4\frac{3}{8}$

AMERICAN RADIATORS

AMERICAN CORTO HOSPITAL RADIATORS



For use in Hospitals and Sanitariums

SANITARY conditions in hospitals and sanitariums demand a radiator that is accessible for easy and thorough cleaning. American Corto Hospital Radiators meet this need with well-spaced sections measuring three inches from center to center.

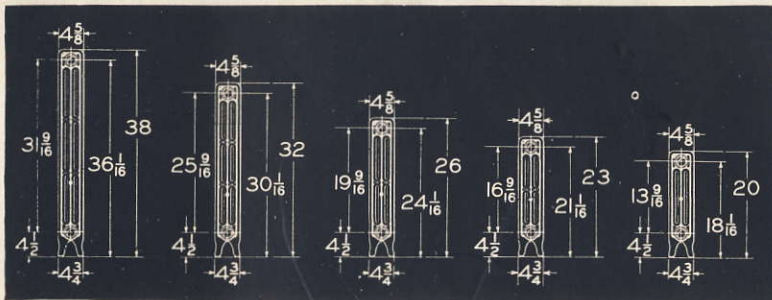
American Corto Hospital Radiators are regularly furnished without bead, and in three and five tube widths and all heights.

The heating surface, heights and widths are the same as for corresponding patterns of standard American Corto Radiators. The lengths are twenty per cent greater because of the three-inch center to center sections.

AMERICAN RADIATORS

AMERICAN CORTO HOSPITAL RADIATORS

Three-Tube



WIDTH, 4 5/8 INCHES; CENTERS, 3 INCHES

Number of Sections	Length 3 Inches Per Section	HEATING SURFACE—SQUARE FEET Based upon Engineering Standard of 240 B.T.U. emission per Square Foot per Hour				
		20-inch Height 1 3/4 Sq. Ft. Per Section	23-inch Height 2 Sq. Ft. Per Section	26-inch Height 2 1/2 Sq. Ft. Per Section	32-inch Height 3 Sq. Ft. Per Section	38-inch Height 3 1/2 Sq. Ft. Per Section
2	5 1/2	3 1/2	4	4 1/2	6	7
3	8 1/2	5 1/4	6	7	9	10 1/2
4	11 1/2	7	8	9 1/2	12	14
5	14 1/2	8 3/4	10	11 1/2	15	17 1/2
6	17 1/2	10 1/2	12	14	18	21
7	20 1/2	12 1/4	14	16 1/2	21	24 1/2
8	23 1/2	14	16	18 1/2	24	28
9	26 1/2	15 3/4	18	21	27	31 1/2
10	29 1/2	17 1/2	20	23 1/2	30	35
11	32 1/2	19 1/4	22	25 1/2	33	38 1/2
12	35 1/2	21	24	28	36	42
13	38 1/2	22 3/4	26	30 1/2	39	45 1/2
14	41 1/2	24 1/2	28	32 1/2	42	49
15	44 1/2	26 1/4	30	35	45	52 1/2
16	47 1/2	28	32	37 1/2	48	56
17	50 1/2	29 3/4	34	39 1/2	51	59 1/2
18	53 1/2	31 1/2	36	42	54	63
19	56 1/2	33 1/4	38	44 1/2	57	66 1/2
20	59 1/2	35	40	46 1/2	60	70
21	62 1/2	36 3/4	42	49	63	73 1/2
22	65 1/2	38 1/2	44	51 1/2	66	77
23	68 1/2	40 1/4	46	53 1/2	69	80 1/2
24	71 1/2	42	48	56	72	84
25	74 1/2	43 3/4	50	58 1/2	75	87 1/2
26	77 1/2	45 1/2	52	60 1/2	78	91
27	80 1/2	47 1/4	54	63	81	94 1/2
28	83 1/2	49	56	65 1/2	84	98
29	86 1/2	50 3/4	58	67 1/2	87	101 1/2
30	89 1/2	52 1/2	60	70	90	105

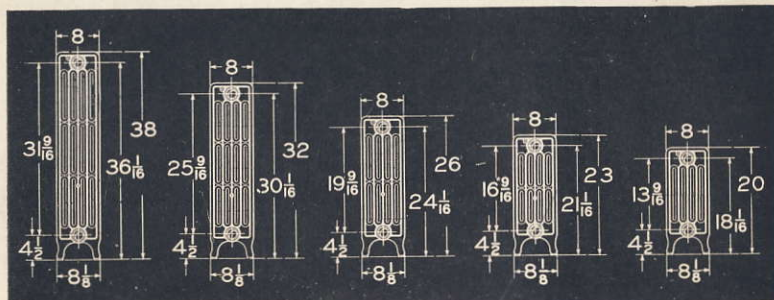
TAPPINGS—1 1/2 inches top and bottom. Bushed for steam or water as per specifications. Can be supplied on special order with 6-inch legs, or without legs at no extra charge. For height of loop section only, subtract 3 inches from total height as shown above. CONNECTIONS—Both steam and water—extra heavy 1 1/2-inch right and left threaded nipple at top and bottom.

*Add 1/2 inch to length for each bushing.

AMERICAN RADIATORS

AMERICAN CORTO HOSPITAL RADIATORS

Five-Tube



WIDTH, 8 INCHES; CENTERS, 3 INCHES

Number of Sections	Length 3 Inches Per Section	HEATING SURFACE—SQUARE FEET Based upon Engineering Standard of 240 B.T.U. emission per Square Foot per Hour				
		20-inch Height 2 2/3 Sq. Ft. Per Section	23-inch Height 3 Sq. Ft. Per Section	26-inch Height 3 1/2 Sq. Ft. Per Section	32-inch Height 4 1/2 Sq. Ft. Per Section	38-inch Height 5 Sq. Ft. Per Section
2	5 1/2	5 1/2	6	7	8 1/2	10
3	8 1/2	8 1/2	9	10 1/2	13	15
4	11 1/2	10 1/2	12	14	17 1/2	20
5	14 1/2	13 1/2	15	17 1/2	21 1/2	25
6	17 1/2	16	18	21	26	30
7	20 1/2	18 1/2	21	24 1/2	30 1/2	35
8	23 1/2	21 1/2	24	28	34 1/2	40
9	26 1/2	24	27	31 1/2	39	45
10	29 1/2	26 1/2	30	35	43 1/2	50
11	32 1/2	29 1/2	33	38 1/2	47 1/2	55
12	35 1/2	32	36	42	52	60
13	38 1/2	34 1/2	39	45 1/2	56 1/2	65
14	41 1/2	37 1/2	42	49	60 1/2	70
15	44 1/2	40	45	52 1/2	65	75
16	47 1/2	42 1/2	48	56	69 1/2	80
17	50 1/2	45 1/2	51	59 1/2	73 1/2	85
18	53 1/2	48	54	63	78	90
19	56 1/2	50 1/2	57	66 1/2	82 1/2	95
20	59 1/2	53 1/2	60	70	86 1/2	100
21	62 1/2	56	63	73 1/2	91	105
22	65 1/2	58 1/2	66	77	95 1/2	110
23	68 1/2	61 1/2	69	80 1/2	99 1/2	115
24	71 1/2	64	72	84	104	120
25	74 1/2	66 1/2	75	87 1/2	108 1/2	125
26	77 1/2	69 1/2	78	91	112 1/2	130
27	80 1/2	72	81	94 1/2	117	135
28	83 1/2	74 1/2	84	98	121 1/2	140
29	86 1/2	77 1/2	87	101 1/2	125 1/2	145
30	89 1/2	80	90	105	130	150

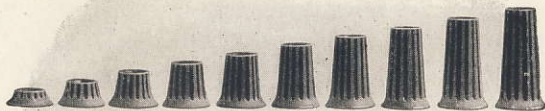
TAPPINGS—1 1/2 inches top and bottom. Bushed for steam or water as per specifications. Can be supplied on special order with 6-inch legs, or without legs at no extra charge. For height of loop section only, subtract 3 inches from total height as shown above. CONNECTIONS—Both steam and water—extra heavy 1 1/2-inch right and left threaded nipples at top and bottom.

*Add 1/2 inch to length for each bushing.

34

AMERICAN RADIATORS

CORTO RADIATOR PEDESTALS



Pedestals to fit under legs of all styles and heights of any of our Direct Radiators can be furnished in the following heights: $\frac{1}{2}$, 1, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3, $3\frac{1}{2}$, 4, $4\frac{1}{2}$ and 5 inches.

SPECIAL RADIATORS

All patterns of American Corto Radiators can be furnished in curved, corner, or angle patterns on special order at extra cost. Complete information, including plan sketch with necessary dimensions for production, must accompany order.

DIRECT RADIATOR WRENCH



These steel wrenches are made especially for assembling or disassembling Direct Radiators connected with right- and left-hand threaded nipples. Made in two lengths—2-foot and 4-foot.

VENTO AND INDIRECT RADIATOR WRENCH



These drop-forged steel wrenches are made especially for assembling Vento and Indirect Radiators connected with right- and left-hand threaded nipples having hexagon nut at center. Made for $1\frac{1}{2}$ -, 2-, $2\frac{1}{2}$ - or 3-inch nipple openings.

AMERICAN RADIATORS

Tappings and Measurements

Apply to all American Radiators except Arco and Fantom.

Standard Tappings

One-Pipe Steam Work—Supply

Up to 24 square feet, inclusive.....	1 -inch
Above 24, up to 60 square feet.....	$1\frac{1}{4}$ -inch
Above 60 square feet.....	$1\frac{1}{2}$ -inch

Two-Pipe Work—Supply and Return

Up to 48 square feet, inclusive.....	1 x $\frac{3}{4}$ -inch
Above 48, up to 96 square feet.....	$1\frac{1}{4}$ x 1 -inch
Above 96 square feet.....	$1\frac{1}{2}$ x $1\frac{1}{4}$ -inch

Water Radiators

Tapped for Supply and Return

Up to 40 square feet, inclusive.....	1 x 1 -inch
Above 40, up to 72 square feet.....	$1\frac{1}{4}$ x $1\frac{1}{4}$ -inch
Above 72 square feet.....	$1\frac{1}{2}$ x $1\frac{1}{2}$ -inch

Air Valve and Vapor Tappings

All air-valve tappings of Direct Radiators are regularly made $\frac{1}{8}$ -inch.

Vapor tappings, top and bottom opposite ends; supply $\frac{3}{4}$ -inch, return $\frac{1}{2}$ -inch.

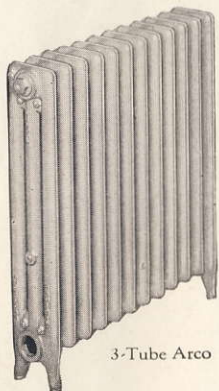
Threads of Openings

Unless otherwise ordered, all openings of Direct Radiators will have right-hand threads (except that of Wall Radiators where tapped $1\frac{1}{2}$ -inch, in which case tapping at one end is right-hand and left-hand on other end).

AMERICAN RADIATORS

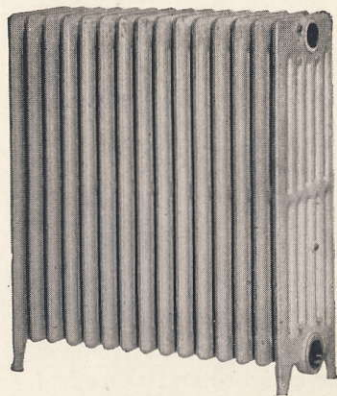
ARCO RADIATOR

"The little Radiator that gives more heat"



3-Tube Arco

The small, graceful, slim-tubed Arco Radiator is noted for space-saving and exceptionally quick heating. Trim, good-looking, rugged, and easy to clean, Arco Radiators make an ideal choice for free-standing radiation or for concealment with Arco Enclosures.



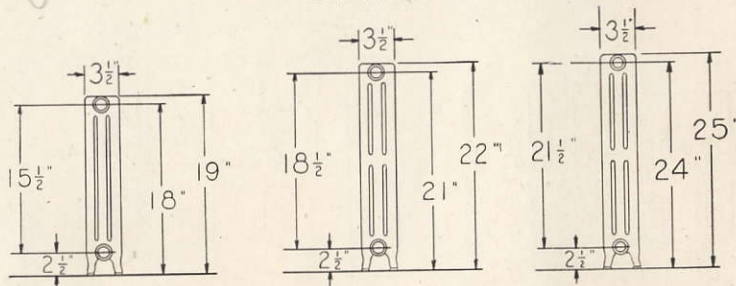
6-Tube Arco

The new 6-tube Arco Radiator, due to its greatly increased heating capacity per square foot of space occupied, now makes it possible to adopt Arcos on many jobs where small space requirements heretofore prevented their use.

AMERICAN RADIATORS

ARCO RADIATORS

Three-Tube



WIDTH 3 1/2 INCHES; CENTERS 1 1/2 INCHES

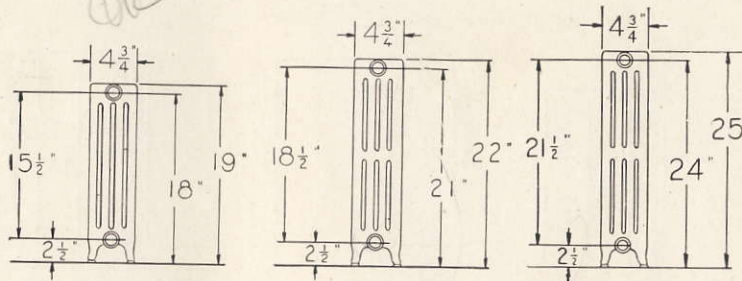
Number of Sections	Length 1 1/2 Inches Per Section	HEATING SURFACE—BASED UPON THE STANDARD HEAT EMISSION OF 240 B. T. U. PER SQUARE FOOT PER HOUR		
		19-Inch Height 1.1 Sq. Ft. Per Section	22-Inch Height 1.3 Sq. Ft. Per Section	25-Inch Height 1.5 Sq. Ft. Per Section
		0.733 Sq. Ft. Per Lineal Inch	0.867 Sq. Ft. Per Lineal Inch	1.000 Sq. Ft. Per Lineal Inch
2	3	2.2	2.6	3
4	6	4.4	5.2	6
6	9	6.6	7.8	9
8	12	8.8	10.4	12
10	15	11.0	13.0	15
12	18	13.2	15.6	18
14	21	15.4	18.2	21
16	24	17.6	20.8	24
18	27	19.8	23.4	27
20	30	22.0	26.0	30
22	33	24.2	28.6	33
24	36	26.4	31.2	36
26	39	28.6	33.8	39
28	42	30.8	36.4	42
30	45	33.0	39.0	45

CONNECTIONS—Both steam and water extra heavy 1-inch malleable nipples at top and bottom. Can be supplied on special order with 4 1/2-inch legs, or without legs at no extra charge. For height of loop section only, subtract 1 1/2 inches from total height as shown above. End sections regularly supplied with 1-inch top tappings, 1 1/4-inch bottom tappings, bushed if so specified.

AMERICAN RADIATORS

ARCO RADIATORS

Four-Tube



WIDTH $4\frac{3}{4}$ INCHES; CENTERS $1\frac{1}{2}$ INCHES

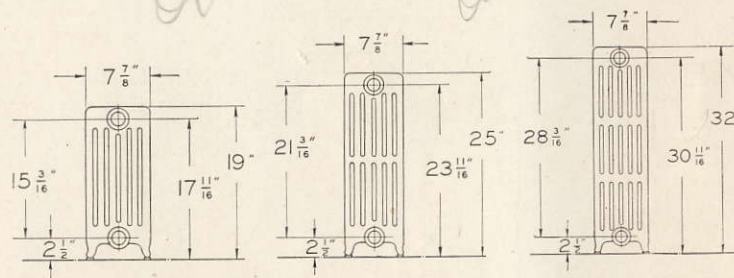
Number of Sections	Length $1\frac{1}{2}$ Inches Per Section	HEATING SURFACE—BASED UPON THE STANDARD HEAT EMISSION OF 240 B. T. U. PER SQUARE FOOT PER HOUR		
		19-Inch Height 1.4 Sq. Ft. Per Section	22-Inch Height 1.6 Sq. Ft. Per Section	25-Inch Height 1.8 Sq. Ft. Per Section
		0.933 Sq. Ft. Per Lineal Inch	1.067 Sq. Ft. Per Lineal Inch	1.200 Sq. Ft. Per Lineal Inch
2	3	2.8	3.2	3.6
4	6	5.6	6.4	7.2
6	9	8.4	9.6	10.8
8	12	11.2	12.8	14.4
10	15	14.0	16.0	18.0
12	18	16.8	19.2	21.6
14	21	19.6	22.4	25.2
16	24	22.4	25.6	28.8
18	27	25.2	28.8	32.4
20	30	28.0	32.0	36.0
22	33	30.8	35.2	39.6
24	36	33.6	38.4	43.2
26	39	36.4	41.6	46.8
28	42	39.2	44.8	50.4
30	45	42.0	48.0	54.0

CONNECTIONS—Both steam and water extra heavy 1-inch malleable nipples at top and bottom. Can be supplied on special order with $4\frac{1}{2}$ -inch legs, or without legs at no extra charge. For height of loop section only, subtract $1\frac{1}{2}$ inches from total height as shown above. End sections regularly supplied with 1-inch top tappings, $1\frac{1}{4}$ -inch bottom tappings, bushed if so specified.

AMERICAN RADIATORS

ARCO RADIATORS

Six-Tube



WIDTH $7\frac{7}{8}$ INCHES; CENTERS $1\frac{1}{2}$ INCHES

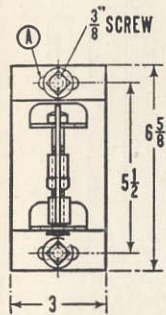
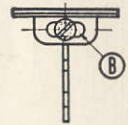
Number of Sections	Length $1\frac{1}{2}$ Inches Per Section	HEATING SURFACE—BASED UPON THE STANDARD HEAT EMISSION OF 240 B. T. U. PER SQUARE FOOT PER HOUR		
		19-Inch Height 2.25 Sq. Ft. Per Section	25-Inch Height 2.95 Sq. Ft. Per Section	32-Inch Height 3.85 Sq. Ft. Per Section
		1.5 Sq. Ft. Per Lineal Inch	1.966 Sq. Ft. Per Lineal Inch	2.566 Sq. Ft. Per Lineal Inch
2	3	4.50	5.90	7.70
4	6	9.00	11.80	15.40
6	9	13.50	17.70	23.10
8	12	18.00	23.60	30.80
10	15	22.50	29.50	38.50
12	18	27.00	35.40	46.20
14	21	31.50	41.30	53.90
16	24	36.00	47.20	61.60
18	27	40.50	53.10	69.30
20	30	45.00	59.00	77.00
22	33	49.50	64.90	84.70
24	36	54.00	70.80	92.40
26	39	58.50	76.70	100.10
28	42	63.00	82.60	107.80
30	45	67.50	88.50	115.50

CONNECTIONS—Both steam and water extra heavy $1\frac{1}{4}$ -inch malleable nipples at top and bottom. Can be supplied on special order with $4\frac{1}{2}$ -inch legs, or without legs at no extra charge. For height of loop section only subtract 1 inch from total height as shown above. End sections regularly supplied with $1\frac{1}{4}$ -inch top tappings, $1\frac{1}{2}$ -inch bottom tappings, bushed if so specified.

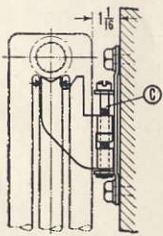
AMERICAN RADIATORS

ARCO RADIATOR BRACKETS

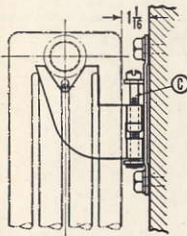
Dimensions and Data



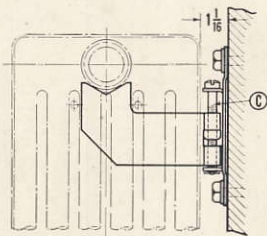
- (A) $7/8$ " ADJUSTMENT ON WALL
- (B) $3/4$ " ADJUSTMENT OF BRACKET
- (C) $7/8$ " VERTICAL ADJUSTMENT



3-TUBE

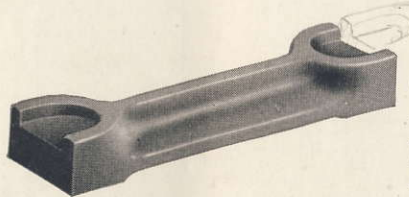


4-TUBE



6-TUBE

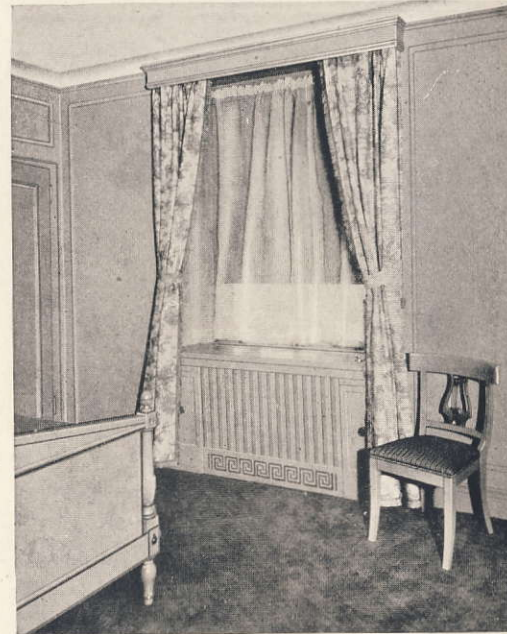
ARCO RADIATOR PEDESTALS



Pedestals to fit under legs of the 3-, 4- and 6-Tube Arco Radiators can be furnished in the following heights— $1/2$ "—1" and $1 1/2$ ".

AMERICAN RADIATORS

THE AMERICAN FANTOM RADIATOR



Patent Pending

AMERICAN FANTOM RADIATOR—CAMPBELL METAL WINDOW UNIT IN THE SAVOY PLAZA HOTEL, NEW YORK CITY

THE American Fantom Radiator supplies uniform heat by radiation into the lower part of the room where most needed, and by the circulation of warmed air to check window drafts and to permeate the whole room. Its exposed surface can be tinted any color in harmony with the decorative scheme. The Fantom requires little space, is accessible for cleaning and offers an excellent means of heat delivery.

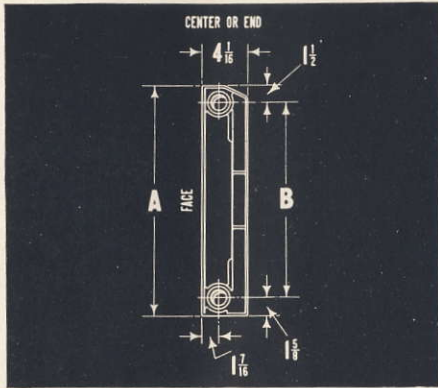
The American Fantom Radiator and Campbell Metal Window illustrated above is an especially efficient and attractive combination. Arrangements of this unit are shown on pages 25 to 27.

AMERICAN RADIATORS

AMERICAN FANTOM RADIATORS

17-Inch, 20-Inch and 23-Inch One Tube

WIDTH $4\frac{1}{16}$ INCHES; CENTERS $2\frac{1}{2}$ INCHES



DIMENSIONS—ONE TUBE

	A	B
17"	$17\frac{1}{16}$	$13\frac{15}{16}$
20"	20	$16\frac{15}{16}$
23"	$22\frac{13}{16}$	$19\frac{11}{16}$

TAPPINGS— $1\frac{1}{4}$ inches top and bottom. Bushed for steam or water as per specifications.

CONNECTIONS—Both steam and water—extra heavy $1\frac{1}{4}$ -inch right and left threaded nipples at top and bottom.

Number of Sections	* Length $2\frac{1}{2}$ Inches Per Section	†		
		17 Inches Height $1\frac{3}{4}$ Square Feet Per Section	20 Inches Height 2 Square Feet Per Section	23 Inches Height $2\frac{1}{4}$ Square Feet Per Section
2	5	$3\frac{1}{2}$	4	$4\frac{1}{2}$
3	$7\frac{1}{2}$	$5\frac{1}{4}$	6	$6\frac{3}{4}$
4	10	7	8	9
5	$12\frac{1}{2}$	$8\frac{3}{4}$	10	$11\frac{1}{4}$
6	15	$10\frac{1}{2}$	12	$13\frac{1}{2}$
7	$17\frac{1}{2}$	$12\frac{1}{4}$	14	$15\frac{1}{4}$
8	20	14	16	18
9	$22\frac{1}{2}$	$15\frac{3}{4}$	18	$20\frac{1}{4}$
10	25	$17\frac{1}{2}$	20	$22\frac{1}{2}$
11	$27\frac{1}{2}$	$19\frac{1}{4}$	22	$24\frac{3}{4}$
12	30	21	24	27
13	$32\frac{1}{2}$	$22\frac{3}{4}$	26	$29\frac{1}{4}$
14	35	$24\frac{1}{2}$	28	$31\frac{1}{2}$
15	$37\frac{1}{2}$	$26\frac{1}{4}$	30	$33\frac{3}{4}$
16	40	28	32	36
17	$42\frac{1}{2}$	$29\frac{3}{4}$	34	$38\frac{1}{4}$
18	45	$31\frac{1}{2}$	36	$40\frac{1}{2}$
19	$47\frac{1}{2}$	$33\frac{1}{4}$	38	$42\frac{3}{4}$
20	50	35	40	45
21	$52\frac{1}{2}$	$36\frac{3}{4}$	42	$47\frac{1}{4}$
22	55	$38\frac{1}{2}$	44	$49\frac{1}{2}$
23	$57\frac{1}{2}$	$40\frac{1}{4}$	46	$51\frac{3}{4}$
24	60	42	48	54
25	$62\frac{1}{2}$	$43\frac{3}{4}$	50	$56\frac{1}{4}$

* Add $\frac{1}{2}$ inch to length for each bushing.

† Based on Engineering Standards of 215 degrees Fahrenheit steam temperature, 70 degrees room temperature and 240 B.t.u. per square foot per hour.

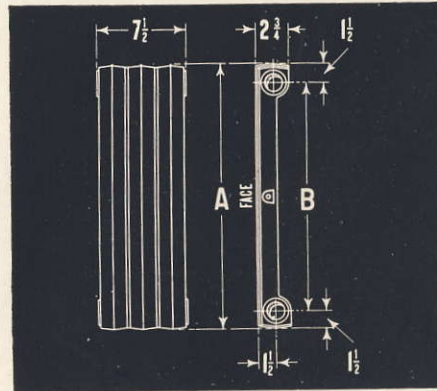
Regularly furnished without legs, but can be supplied on special order with $4\frac{1}{2}$ " legs only at no extra charge.

AMERICAN RADIATORS

AMERICAN FANTOM RADIATORS

17-Inch and 23-Inch Two Tube

WIDTH $2\frac{3}{4}$ INCHES; CENTERS $7\frac{1}{2}$ INCHES



DIMENSIONS—TWO TUBE

	A	B
17-Inch.....	17	14
23-Inch.....	$22\frac{3}{4}$	$19\frac{3}{4}$

TAPPINGS— $1\frac{1}{4}$ inches top and bottom. Bushed for steam or water as per specifications.

NOTE: Two Tube Fantom Radiators used for water systems are to be vented through tapped Top Plug provided on specification.

CONNECTIONS—Both steam and water—extra heavy $1\frac{1}{4}$ -inch right and left threaded nipples at top and bottom.

Number of Sections	* Length Over All Inches	†	
		17 Inches Height $3\frac{1}{2}$ Square Feet Per Section	23 Inches Height $4\frac{1}{4}$ Square Feet Per Section
2	15	$6\frac{2}{3}$	$8\frac{1}{2}$
3	$22\frac{1}{2}$	10	$12\frac{3}{4}$
4	30	$13\frac{1}{3}$	17
5	$37\frac{1}{2}$	$16\frac{2}{3}$	$21\frac{1}{4}$
6	45	20	$25\frac{1}{2}$
7	$52\frac{1}{2}$	$23\frac{1}{3}$	$29\frac{3}{4}$
8	60	$26\frac{2}{3}$	34
9	$67\frac{1}{2}$	30	$38\frac{1}{4}$
10	75	$33\frac{1}{3}$	$42\frac{1}{2}$
11	$82\frac{1}{2}$	$36\frac{2}{3}$	$46\frac{3}{4}$
12	90	40	51
13	$97\frac{1}{2}$	$43\frac{1}{3}$	$55\frac{1}{4}$
14	105	$46\frac{2}{3}$	$59\frac{1}{2}$
15	$112\frac{1}{2}$	50	$63\frac{3}{4}$
16	120	$53\frac{1}{3}$	68

* Add $\frac{1}{2}$ inch to length for each bushing.

† Based on Engineering Standards of 215 degrees Fahrenheit steam temperature, 70 degrees room temperature and 240 B.t.u. per square foot per hour.

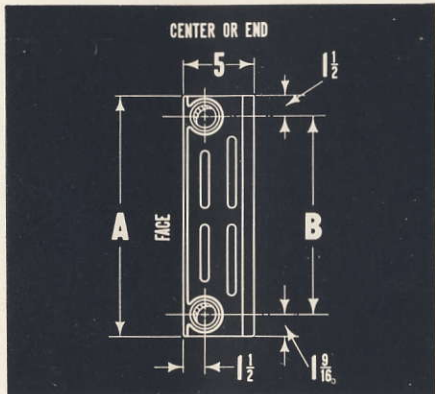
Furnished without legs only.

AMERICAN RADIATORS

AMERICAN FANTOM RADIATORS

17-Inch, 20-Inch and 23-Inch Three Tube

WIDTH 5 INCHES; CENTERS 2½ INCHES



DIMENSIONS—THREE TUBE

	A	B
17"	17	13 ¹⁵ / ₁₆
20"	20	16 ¹⁵ / ₁₆
23"	22 ³ / ₄	19 ¹⁵ / ₁₆

TAPPINGS—1¼ inches top and bottom. Bushed for steam or water as per specifications.

CONNECTIONS—Both steam and water—extra heavy 1¼-inch right and left threaded nipples top and bottom.

Number of Sections	* Length 2½ Inches Per Section	†		
		17 Inches Height 2 Square Feet Per Section	20 Inches Height 2½ Square Feet Per Section	23 Inches Height 2¾ Square Feet Per Section
2	5	4	4 ² / ₈	5 ¹ / ₈
3	7½	6	7	8
4	10	8	9 ¹ / ₈	10 ² / ₈
5	12½	10	11 ² / ₈	13 ³ / ₈
6	15	12	14	16
7	17½	14	16 ¹ / ₈	18 ² / ₈
8	20	16	18 ² / ₈	21 ¹ / ₈
9	22½	18	21	24
10	25	20	23 ¹ / ₈	26 ² / ₈
11	27½	22	25 ² / ₈	29 ¹ / ₈
12	30	24	28	32
13	32½	26	30 ¹ / ₈	34 ² / ₈
14	35	28	32 ² / ₈	37 ¹ / ₈
15	37½	30	35	40
16	40	32	37 ¹ / ₈	42 ² / ₈
17	42½	34	39 ² / ₈	45 ¹ / ₈
18	45	36	42	48
19	47½	38	44 ¹ / ₈	50 ² / ₈
20	50	40	46 ² / ₈	53 ¹ / ₈
21	52½	42	49	56
22	55	44	51 ¹ / ₈	58 ² / ₈
23	57½	46	53 ² / ₈	61 ¹ / ₈
24	60	48	56	64
25	62½	50	58 ¹ / ₈	66 ² / ₈

* Add ½ inch to length for each bushing.

† Based on Engineering Standards of 215 degrees Fahrenheit steam temperature, 70 degrees room temperature and 240 degrees B.t.u. per square foot per hour.

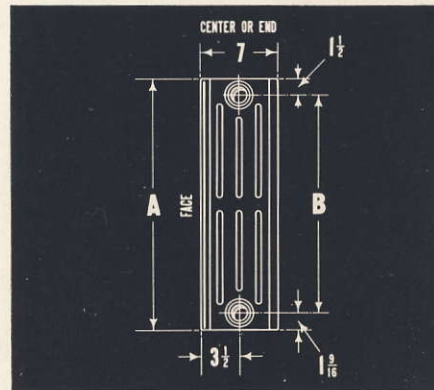
Regularly furnished without legs, but can be supplied on special order with 4½" legs only at no extra charge.

AMERICAN RADIATORS

AMERICAN FANTOM RADIATORS

17-Inch, 20-Inch and 23-Inch Four Tube

WIDTH 7 INCHES; CENTERS 2½ INCHES



DIMENSIONS—FOUR TUBE

	A	B
17"	17	13 ¹⁵ / ₁₆
20"	20	16 ¹⁵ / ₁₆
23"	23	19 ¹⁵ / ₁₆

TAPPINGS—1¼ inches top and bottom. Bushed for steam or water as per specifications.

CONNECTIONS—Both steam and water—extra heavy 1¼-inch right and left threaded nipples at top and bottom.

Number of Sections	* Length 2½ Inches Per Section	†		
		17 Inches Height 2¾ Square Feet Per Section	20 Inches Height 3 Sq. Ft. Per Section	23 Inches Height 3½ Square Feet Per Section
2	5	5 ¹ / ₈	6	6 ² / ₈
3	7½	8	9	10
4	10	10 ² / ₈	12	13 ¹ / ₈
5	12½	13 ¹ / ₈	15	16 ² / ₈
6	15	16	18	20
7	17½	18 ² / ₈	21	23 ¹ / ₈
8	20	21 ¹ / ₈	24	26 ² / ₈
9	22½	24	27	30
10	25	26 ² / ₈	30	33 ¹ / ₈
11	27½	29 ¹ / ₈	33	36 ² / ₈
12	30	32	36	40
13	32½	34 ² / ₈	39	43 ¹ / ₈
14	35	37 ¹ / ₈	42	46 ² / ₈
15	37½	40	45	50
16	40	42 ² / ₈	48	53 ¹ / ₈
17	42½	45 ¹ / ₈	51	56 ² / ₈
18	45	48	54	60
19	47½	50 ² / ₈	57	63 ¹ / ₈
20	50	53 ¹ / ₈	60	66 ² / ₈
21	52½	56	63	70
22	55	58 ² / ₈	66	73 ¹ / ₈
23	57½	61 ¹ / ₈	69	76 ² / ₈
24	60	64	72	80
25	62½	66 ² / ₈	75	83 ¹ / ₈

* Add ½ inch to length for each bushing.

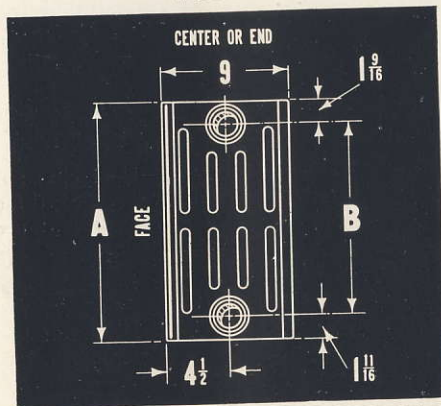
† Based on Engineering Standards of 215 degrees Fahrenheit steam temperature, 70 degrees room temperature and 240 B.t.u. per square foot per hour.

Regularly furnished without legs, but can be supplied on special order with 4½" legs only at no extra charge.

AMERICAN RADIATORS

AMERICAN FANTOM RADIATORS

17-Inch and 23-Inch Five Tube
Width 9 Inches; Centers $2\frac{1}{2}$ Inches



DIMENSIONS—FIVE TUBE

	A	B
17"	17	14
23"	$22\frac{3}{4}$	$19\frac{1}{2}$

TAPPINGS— $1\frac{1}{2}$ inches top and bottom. Bushed for steam or water as per specifications.

CONNECTIONS—Both steam and water—extra heavy $1\frac{1}{2}$ -inch right and left threaded nipples at top and bottom.

Number of Sections	* Length $2\frac{1}{2}$ Inches Per Section		† 17 Inches Height $3\frac{1}{4}$ Square Feet Per Section	† 23 Inches Height 4 Square Feet Per Section
	2	5	$6\frac{1}{2}$	8
3	$7\frac{1}{2}$	$9\frac{3}{4}$	12	
4	10	13	16	
5	$12\frac{1}{2}$	$16\frac{1}{4}$	20	
6	15	$19\frac{1}{2}$	24	
7	$17\frac{1}{2}$	$22\frac{3}{4}$	28	
8	20	26	32	
9	$22\frac{1}{2}$	$29\frac{1}{4}$	36	
10	25	$32\frac{1}{2}$	40	
11	$27\frac{1}{2}$	$35\frac{3}{4}$	44	
12	30	39	48	
13	$32\frac{1}{2}$	$42\frac{1}{4}$	52	
14	35	$45\frac{1}{2}$	56	
15	$37\frac{1}{2}$	$48\frac{3}{4}$	60	
16	40	52	64	
17	$42\frac{1}{2}$	$55\frac{1}{4}$	68	
18	45	$58\frac{1}{2}$	72	
19	$47\frac{1}{2}$	$61\frac{3}{4}$	76	
20	50	65	80	
21	$52\frac{1}{2}$	$68\frac{1}{4}$	84	
22	55	$71\frac{1}{2}$	88	
23	$57\frac{1}{2}$	$74\frac{3}{4}$	92	
24	60	78	96	
25	$62\frac{1}{2}$	$81\frac{1}{4}$	100	

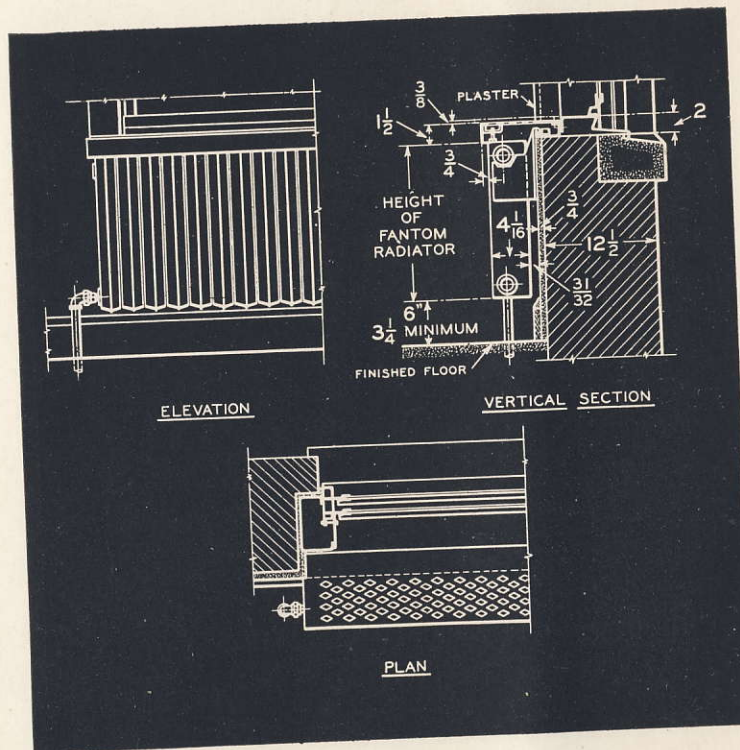
* Add $\frac{1}{2}$ inch to length for each bushing.

† Based on Engineering Standards of 215 degrees Fahrenheit steam temperature, 70 degrees room temperature and 240 B.t.u. per square foot per hour.

Regularly furnished without legs, but can be supplied on special order with $4\frac{1}{2}$ " legs only at no extra charge.

AMERICAN RADIATORS

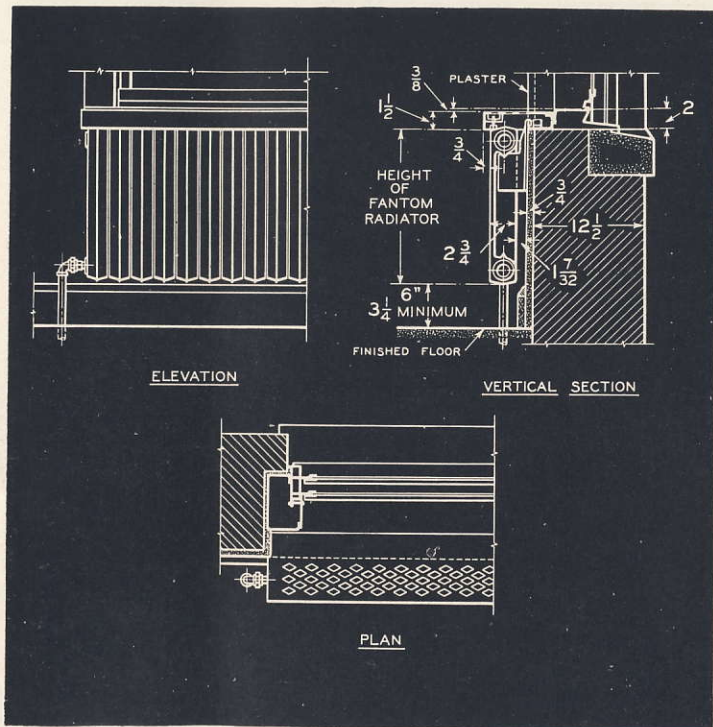
AMERICAN FANTOM RADIATOR AND CAMPBELL METAL WINDOW



ARRANGEMENT OF CAMPBELL RESIDENCE TYPE WINDOW AND ONE TUBE AMERICAN FANTOM RADIATOR

AMERICAN RADIATORS

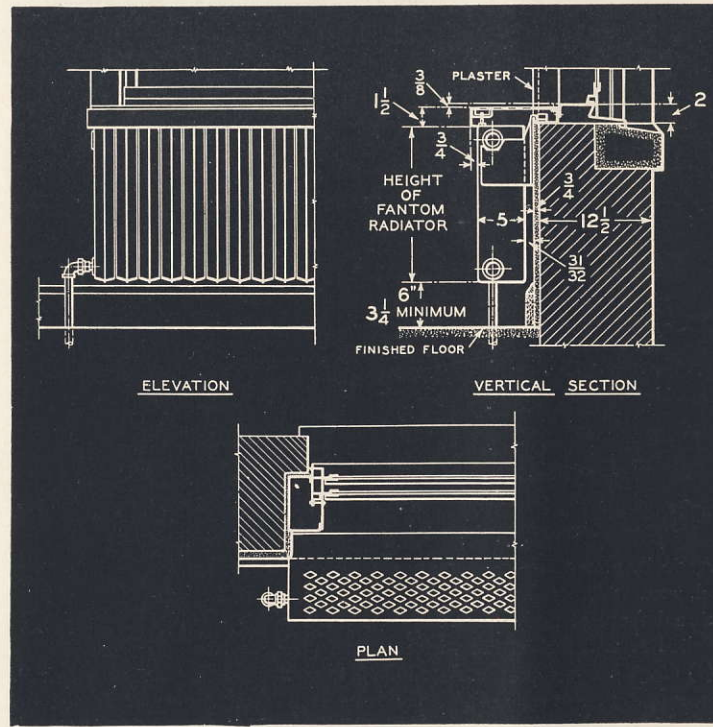
AMERICAN FANTOM RADIATOR
AND CAMPBELL METAL WINDOW



ARRANGEMENT OF CAMPBELL RESIDENCE TYPE WINDOW AND TWO TUBE
AMERICAN FANTOM RADIATOR

AMERICAN RADIATORS

AMERICAN FANTOM RADIATOR
AND CAMPBELL METAL WINDOW

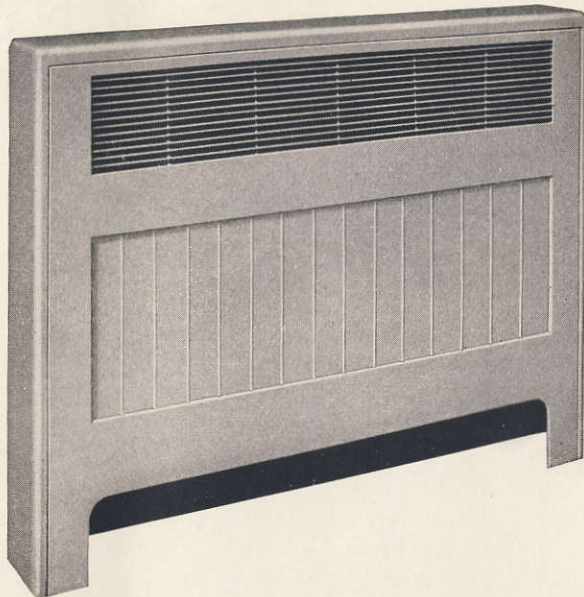


ARRANGEMENT OF CAMPBELL RESIDENCE TYPE WINDOW AND THREE TUBE
AMERICAN FANTOM RADIATOR

AMERICAN RADIATORS

ARCO RADIANT CONVECTORS NEW STREAMLINED COMPLETE ENCLOSURE

TYPE NFS



ARCO RADIANT ENCLOSURES are constructed of strongly braced furniture steel, accurately fitted to Radiant Convactor size and piping. Standard and optional features and dimensions are on following pages. Five types, all supplied primed for painting, include enclosures and panel fronts:

(1) Complete enclosures: *Type NFS-R* is used for partially recessed or for free-standing units. *Type OF-R*, for full recess only, overlaps adjacent wall finish $\frac{1}{2}$ " on top and sides. Both have knock-outs for piping and holes for securing to recess.

(2) Panel fronts: *Type FP-R* is used in full recess. *Type FC-R*, used in partial recess, has a metal flange on top and sides to enclose space between panel front and wall finish. *Type FA-R*, used in full recess, rests on top of baseboard and is 5" less than enclosure heights listed.

ARCO RADIANT ENCLOSURES must center exactly on Convector.

AMERICAN RADIATORS

ARCO RADIANT CONVECTORS

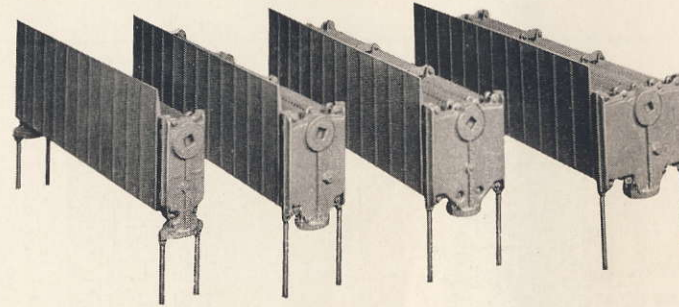


FIGURE 1—Illustrating the four depths of Arco cast iron Radiant Convectors
No. 3 - $4\frac{1}{16}$ " No. 5 - $5\frac{15}{16}$ " No. 7 - $7\frac{15}{16}$ " No. 9 - $9\frac{15}{16}$ "

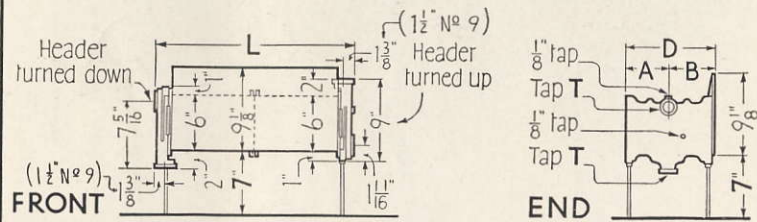
PURPOSE—Arco Radiant Convectors combine convection heating with quick-acting and comfortable radiant heating. They possess the heat storage characteristics necessary for automatically controlled installations and may be used with one- or two-pipe steam, vapor or warm water heating systems. Arco Radiant Enclosures are made for use with Arco Radiant Convectors to produce concealed heating units requiring minimum space. Units are supplied in four depths and a number of standard lengths.

DESCRIPTION—Arco Radiant Convectors are formed of cast iron with finned sections, water-backed radiating fronts, and reversible headers, and are assembled with malleable nipples and individual tiebolts at each nipple port. Contacting surfaces are machined. Fins and radiant front are cast integrally with cored sections. The design insures free steam or warm water circulation with proper air elimination at all temperatures and a continuously even flow of air over the entire heating area. Headers may be turned up or down, permitting a great variety of standard piping connections. Units are mounted on 7" legs to provide ample valve and trap space.

AMERICAN RADIATORS

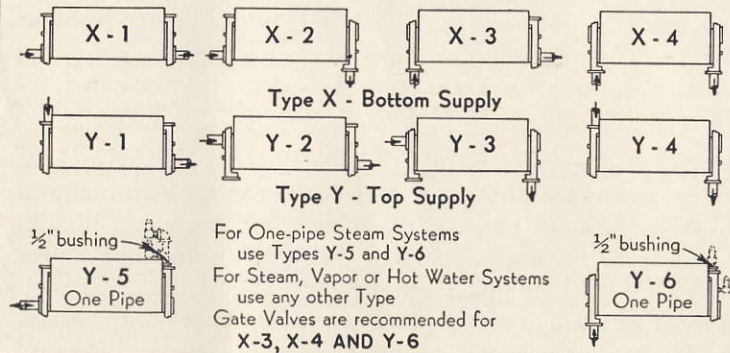
ARCO RADIANT CONVECTORS

RADIANT CONVECTOR DIMENSIONS



TYPE	Depth D	Tapping - Location		Tapping Size T
		A	B	
3-R	4 $\frac{1}{16}$ "	1 $\frac{7}{8}$ "	2 $\frac{3}{16}$ "	1 $\frac{1}{4}$ "
5-R	5 $\frac{15}{16}$ "	2 $\frac{13}{16}$ "	3 $\frac{1}{8}$ "	1 $\frac{1}{4}$ "
7-R	7 $\frac{13}{16}$ "	3 $\frac{3}{16}$ "	4 $\frac{1}{8}$ "	1 $\frac{1}{4}$ "
9-R	9 $\frac{13}{16}$ "	4 $\frac{3}{4}$ "	5 $\frac{1}{16}$ "	1 $\frac{1}{2}$ "

TYPICAL PIPING DIAGRAMS

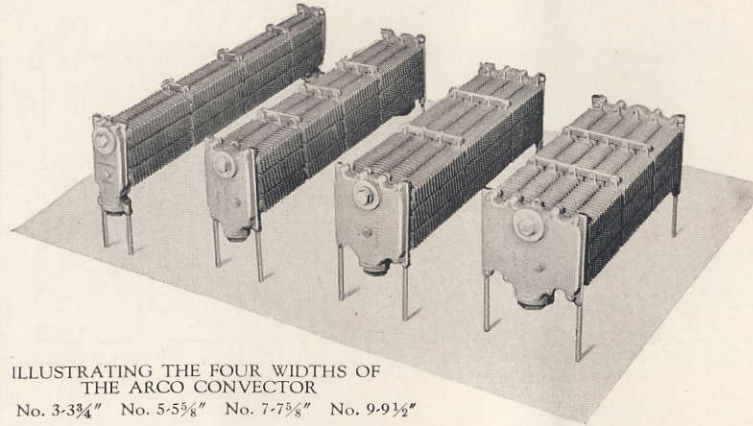


Steam and water ratings of the Arco Radiant Convector are shown on pages 51 to 54.

Flush plugs installed in side tappings. Add $\frac{1}{2}$ " to "L" for each bushing.

AMERICAN RADIATORS

ARCO CONVECTORS



ILLUSTRATING THE FOUR WIDTHS OF THE ARCO CONVECTOR

No. 3-3 $\frac{3}{4}$ " No. 5-5 $\frac{5}{8}$ " No. 7-7 $\frac{7}{8}$ " No. 9-9 $\frac{1}{2}$ "

THE Arco Convector—ratings and detailed dimensions of which are presented on the following pages—is a product of the American Radiator Company, scientifically engineered, and carefully and dependably rated in the laboratory of the Institute of Thermal Research. It is manufactured in the plants of this Company which have for many years produced other highly satisfactory cast iron heating radiators and boilers.

The Arco Convector is a unit of assembled cast iron finned sections and headers united with malleable nipples.

The fins are cast integral with the cored sections and are spaced to allow a steady and continuous flow of heated air throughout the entire surface.

The sections have ample cored space to insure unhampered circulation of steam or hot water and proper air elimination at varying steam pressures.

The design of the Arco Convector provides an exceptionally flexible unit as to length and depth to meet the varying conditions of building construction and with its low height permits installation in minimum space allowances.

The tappings in the headers give a wide choice of piping connections to the Convector, simplifying the installation and, at times, eliminating costly piping arrangements which also require space that is not always available within the wall recess.

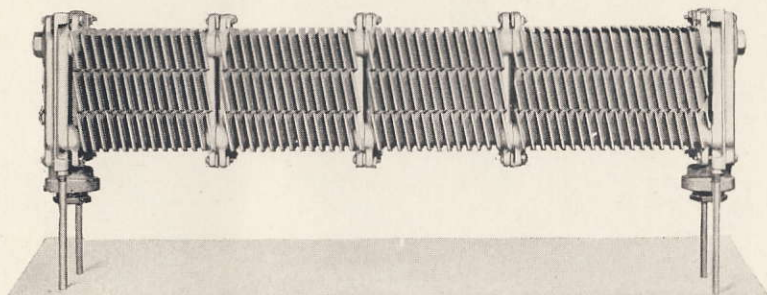
Arco Convectors are made of cast iron sections—all contacting surfaces of which are machine ground—assembled with malleable nipples and individual tie bolts at each nipple port. This construction develops an exceptionally sturdy unit—able to withstand the usual handling abuses met with before final installation.

Arco Convectors also possess a long "carry-over" output, a distinct advantage when installed with automatically controlled heating apparatus.

The Arco Convector is equally well adapted for steam, vapor, or hot water systems and, when installed with Arco Enclosures, combines high heating efficiency with attractive appearance.

AMERICAN RADIATORS

ARCO CONVECTORS



A Unit No. 535 Arco Convector, 5 $\frac{5}{8}$ " wide and 35 $\frac{1}{2}$ " long, an assemblage of two headers (supply and return) 1-10" intermediate finned section and 3-7 $\frac{1}{2}$ " intermediate finned sections —with Type X 4-header connections for piping, and adjustable legs.

THE design of the Arco Convector provides units of four widths—No. 3—3 $\frac{3}{4}$ ", No. 5—5 $\frac{5}{8}$ ", No. 7—7 $\frac{5}{8}$ ", and No. 9—9 $\frac{1}{2}$ ", and in lengths varying in 2 $\frac{1}{2}$ " steps, above 13" long (except the 15 $\frac{1}{2}$ " length).

The supply and return headers of every Arco Convector are each 1 $\frac{1}{2}$ " in the length of the unit—The intermediate finned sections are made in two lengths—10" and 7 $\frac{1}{2}$ ", and the proper selection of one or more sections of either or both lengths, assembled with the headers, provides units in lengths varying in 2 $\frac{1}{2}$ " steps, as mentioned above and definitely shown on the rating charts on pages 51 to 54.

Malleable slip nipples are used in assembling the sections and headers—individual tie bolts at each nipple port insure leak proof connections which will not loosen despite the stresses and strains of handling.

Each header (supply and return) is reversible and, therefore, top, bottom, and side tappings are provided for piping connections.

The various types of piping connections are shown on page 50.

AMERICAN RADIATORS

ARCO CONVECTORS

Arco Convector should be ordered with the proper type of connection specified and they will be shipped accordingly from the plant, bushed as desired. All tappings not used will be plugged.

The great variety of piping connections provided permits simple installation of steam, vapor and hot water systems in limited space allowances.

The No. 3, No. 5 and No. 7 units are tapped 1 $\frac{1}{4}$ " and the No. 9 unit is tapped 1 $\frac{1}{2}$ ".

Steel legs are furnished (without charge) to support the Convector, and are screwed into tappings in the bottom of each header, permitting slight adjustment for leveling or pitching the Convector as desired.

In ordering, specify "Arco Convector," unit number, type of connections and tapping sizes.

Unless otherwise specified all Arco Convector Units will be shipped with standard supporting legs of a height to bring the bottom of the fins on intermediate sections 7" from floor.

Arco Enclosures, designed especially for the Arco Convector are fabricated by the American Radiator Company. Their use with the Arco Convector insures to the owner an attractive concealed unit of modern design.

Steam and water ratings of the Arco Convector as shown on pages 51 to 54 are based on installation with Front Outlet Grille Enclosures.

Where top outlet grilles are used in enclosures—output ratings may be increased as follows:

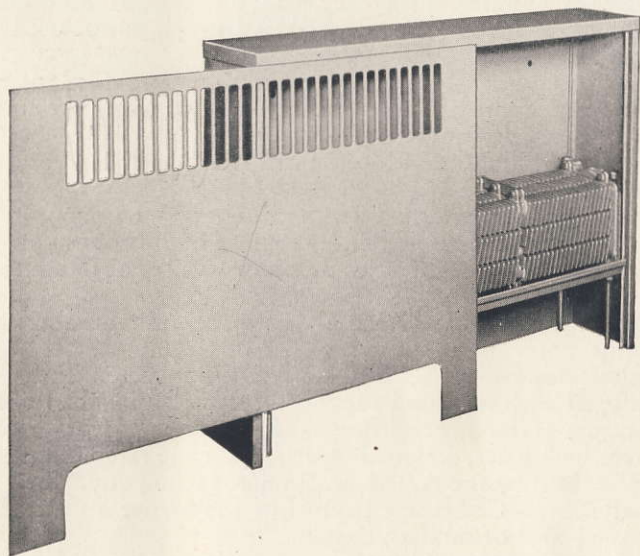
Type "W" Enclosure Height	Enclosure Height Except Type "W"	Multiply Ratings By
13	18	1.15
15	20	1.10
17	22	1.06
19	24	1.04
21	26	1.02

No increase beyond 26" Enclosure heights, 21" Enclosure heights for Type "W" Enclosure.

AMERICAN RADIATORS

ARCO CONVECTORS

Standard
COMPLETE ENCLOSURE



TYPE NFS

Type NFS is a complete enclosure consisting of top, back, ends and a removable front. It can be fully recessed, partially recessed or completely free standing in the room.

Standard enclosures are furnished with outlet grille of slotted type only and with bottom inlet arch only, 4" high.

Standard enclosure heights are: 18", 20", 22", 24", 26", 29", 32", 35", 38". These measurements correspond to stack heights plus an allowance of seven inches for underneath connections to Convectors.

Standard enclosure depths are $4\frac{3}{4}$ " for the No. 3 Convectors, $6\frac{5}{8}$ " for the No. 5, $8\frac{5}{8}$ " for the No. 7 and $10\frac{1}{2}$ " for No. 9.

Standard enclosure lengths are $14\frac{1}{2}$ ", $19\frac{1}{2}$ " and longer in increments of $2\frac{1}{2}$ ", to correspond with lengths of the Convectors as shown on pages 49 to 54 of this Catalog.

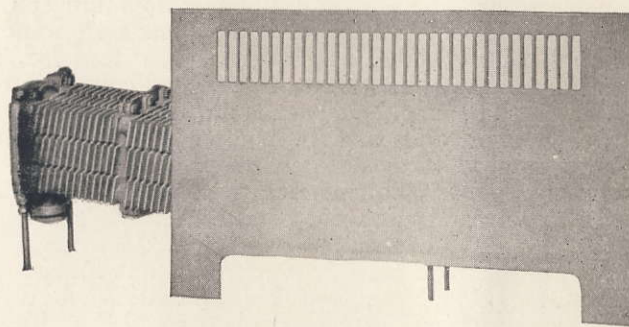
Enclosures are fabricated $1\frac{1}{2}$ " longer than the corresponding Convectors.

All above dimensions are overall. At least $\frac{1}{4}$ " should be allowed to recess beyond maximum dimensions of enclosure to permit ease of installation.

AMERICAN RADIATORS

ARCO CONVECTORS

Standard Front Panels



TYPES FP & FC (See also FA below)

Type FP is a Front Panel only for use with fully recessed units where the recess is of sufficient depth to allow flush treatment.

Type FC Front Panel is similar to the FP Front Panel but fabricated with flanges at top and sides, thus permitting Front Panel to project into the room beyond finished wall in cases where the recess depth is not sufficient to allow the use of Type FP Front Panel. The flange depth on the two sides and top of the FC panel should be specified on order, if other than standard dimensions shown on page 40 are required.

Type FA is a Front Panel similar to the FP except it is designed to set on baseboard and is standard 5" less in height than corresponding FP to allow for 5" baseboard. A 4" arch should be cut in baseboard when type FA is used.

All types of standard panels are furnished with outlet grille of slotted type only and, except FA, with bottom inlet arch only, 4" high.

Standard panels are furnished in the following heights: 18", 20", 22", 24", 26", 29", 32", 35", 38". These measurements correspond to stack heights plus an allowance of seven inches for underneath connection to the Convectors.

Standard panel lengths are 18", 23" and longer in increments of $2\frac{1}{2}$ " to correspond with lengths of the Convectors as shown on pages 51 to 54 of this Catalog.

Panels are fabricated 5" longer than the corresponding Convectors to allow for attachment to wood grounds and overlap to conceal the edge of recess.

AMERICAN RADIATORS

ARCO CONVECTORS

Type NFS—COMPLETE ENCLOSURE

DESCRIPTION—Type NFS is a complete enclosure for general use and can be free standing, or partially recessed and has a removable front. The enclosure lining is $1\frac{1}{2}$ " longer than corresponding ARCO CONVECTOR, and is made in standard heights of: 18", 20", 22", 24", 26", 29", 32", 35" and 38". The ends are provided with knock-outs in case end connections of Convector are to be used. The back is provided with holes for securing to back of recess or wall. Access to valve is obtained through inlet arch. *Slotted outlet grille and inlet arch are standard.*

INSTALLATION—It is recommended that X-4 or Y-6, underneath connection, and gate valve be used wherever possible. If other connections are required and enclosure is recessed, provision must be made for valve and trap space and access to valve. See Order Guide for all possible connections and proper enclosure size. Enclosure may be used in recessed wall treatment or free standing against wall. If recessed in wall, plaster should finish against the ends and top of enclosure. If recessed under wood stool, plaster should finish against ends of enclosure, and stool and apron should be projected over enclosure, and apron fitted between stool and enclosure top. Scribe moulding may be used at ends of enclosure.

OPTIONAL FEATURES

- *Damper can be furnished (except on 18" Enclosure height).
- *Square pierced outlet grille, or slotted or square pierced inlet grille can be substituted for standard (with one access door, if required, right or left hand to be specified).
- *Streamline grilles can be furnished.
- *Other than standard lengths and heights of enclosures can be furnished where necessary.
- *Rounded corners can be furnished.
- *Applied panel moulding can be furnished if desired.
- *Square pierced outlet grille can be provided in stool when enclosure is to be free standing.
- *Access door can be furnished other than in bottom grille.
- Center leg in inlet arch is provided on enclosures $59\frac{1}{2}$ " to $69\frac{1}{2}$ " long. Center post and two fronts are provided on enclosures 72" long and over.

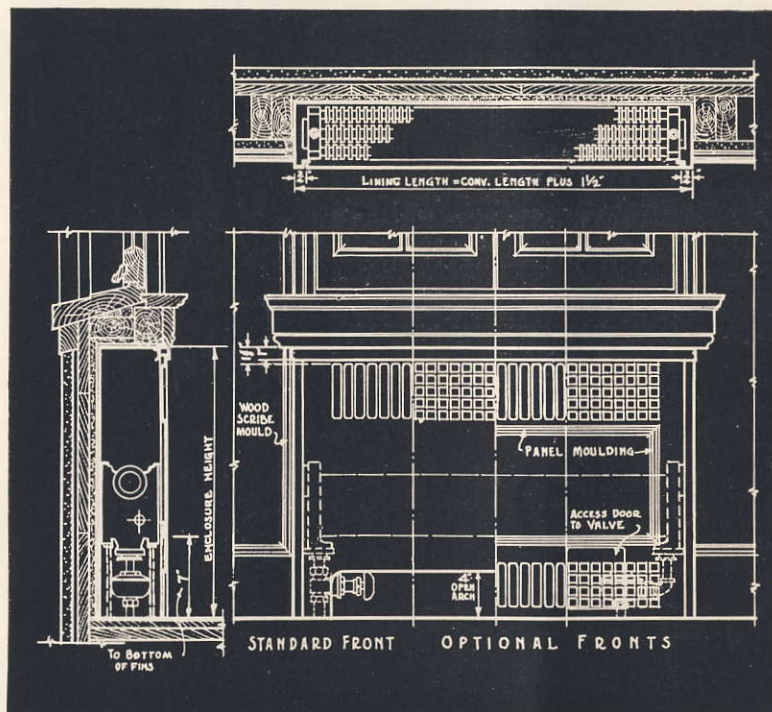
*At additional price.

AMERICAN RADIATORS

ARCO CONVECTORS

Type NFS

COMPLETE ENCLOSURE



EXAMPLE FOR ORDERING:

1—NFS 340 Arco Enclosure 26" E.H. 25.3 Sq. ft.
Slotted grille and arch inlet
For Y-6 conn. Fig. No. C-24

AMERICAN RADIATORS

ARCO CONVECTORS

Type FP (Front Panel)

DESCRIPTION—Type FP is a Front Panel only, designed for use with recessed treatments. It is flush with plaster and made to overlap recess at top and sides and is provided with screw holes for securing to wood grounds. It is 5", or multiples of 5", longer than corresponding ARCO CONVECTOR and made in standard heights of: 18", 20", 22", 24", 26", 29", 32", 35" and 38". Access to valve is obtained through inlet arch. *Slotted outlet grille and inlet arch are standard.*

INSTALLATION—It is recommended that X-4 or Y-6 underneath connections, and gate valve be used wherever possible. If other connections are required, provision must be made for valve and trap space and access to valve. See Order Guide for all possible connections and proper enclosure size. Recess should only be of sufficient depth to take Convector. If additional depth is required the type FC is recommended. Scribe moulding may be used at ends of front.

OPTIONAL FEATURES

- *Damper can be furnished (except on 18" Enclosure height).
- *Square pierced outlet grille, or slotted or square pierced inlet grille can be substituted for standard (with one access door, if required, right or left hand to be specified).
- *Streamline grilles can be furnished.
- *Applied panel moulding is furnished if required.
- *Other than standard lengths and heights of front panel can be furnished where necessary. Center leg in inlet arch is provided on fronts 63" long and over.
- *Access door can be furnished other than in bottom grille.
- $\frac{3}{8}$ " rolled edges on top and sides can be furnished if desired.

*At additional price.

RECESS DIMENSIONS

Recess length = Convector length plus 2".

Recess height = Front Panel height minus $1\frac{1}{2}$ ".

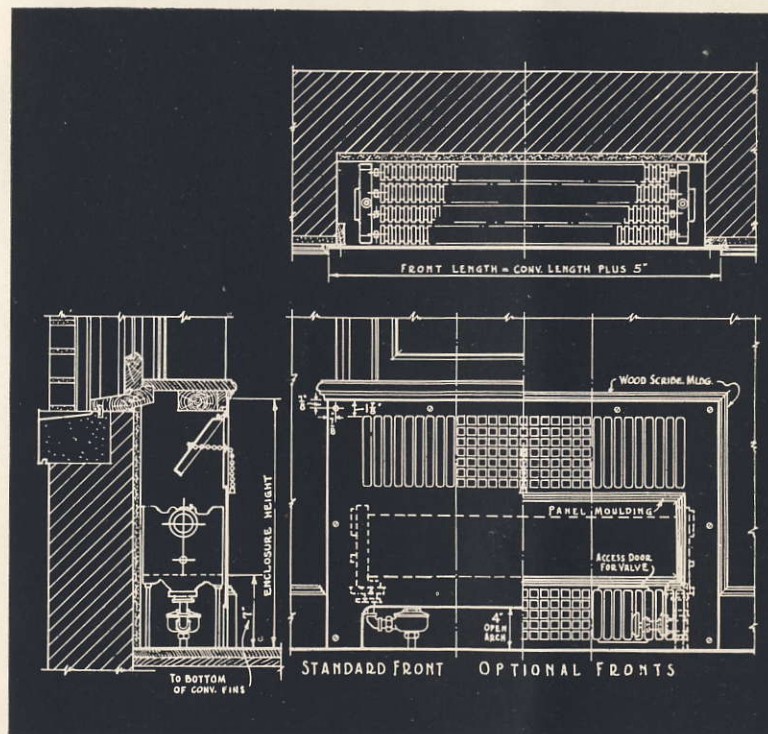
Recess depth should equal Convector width plus $\frac{1}{4}$ ".

In ordering, specify unit number, Front Panel height and any departure from standard design.

AMERICAN RADIATORS

ARCO CONVECTORS

Type FP (Front Panel)



EXAMPLE FOR ORDERING:

- 1—FP 340 Arco Panel 26" E.H. 25.3 Sq. ft.
- Slotted grille and arch inlet
- For Y-6 conn. Fig. No. C-24

AMERICAN RADIATORS

ARCO CONVECTORS

Type FC (Front Panel)

DESCRIPTION—Type FC is a front panel only, designed for use with recessed treatments with flange which sets against face of plaster. This flange is on top and sides, bringing face of front beyond baseboard, providing additional depth. It is made to overlap recess at top and sides and is provided with screw holes for securing to wood grounds. It is 5", or multiples of 5", longer than corresponding Convactor and made in standard heights of: 18", 20", 22", 24", 26", 29", 32", 35" and 38". Access to valve is obtained through inlet arch. *Slotted outlet grille and inlet arch are standard.*

INSTALLATION—As the FC front projects from the finished wall, the apron and stool should be proportionately projected. It is recommended that X-4 or Y-6, underneath connections, and gate valve be used wherever possible. If other connections are required, provision must be made for valve and panel space and access to valve. See Order Guide for all possible connections and proper enclosure size. Recess depth plus projection of front panel should only be sufficient to take Convactor. Scribe moulding may be used at ends of front. Standard flanges are $1\frac{5}{8}$ " for No. 5 Convactor, $3\frac{5}{8}$ " for No. 7 Convactor and $5\frac{1}{2}$ " for No. 9 Convactor. Type "FP" is recommended for No. 3 Convactor.

OPTIONAL FEATURES

- *Damper can be furnished (except on 18" Enclosure height).
- *Square pierced outlet grille, or slotted or square pierced inlet grille can be substituted for standard (with one access door, right or left hand to be specified).
- *Streamline grilles can be furnished.
- *Applied panel moulding is furnished if required.
- *Other than standard lengths and heights of front panel can be furnished where necessary. Center leg in inlet arch is provided on fronts 63" long and over.
- *Access door can be furnished other than in bottom grille.
- *At additional price.

RECESS DIMENSIONS

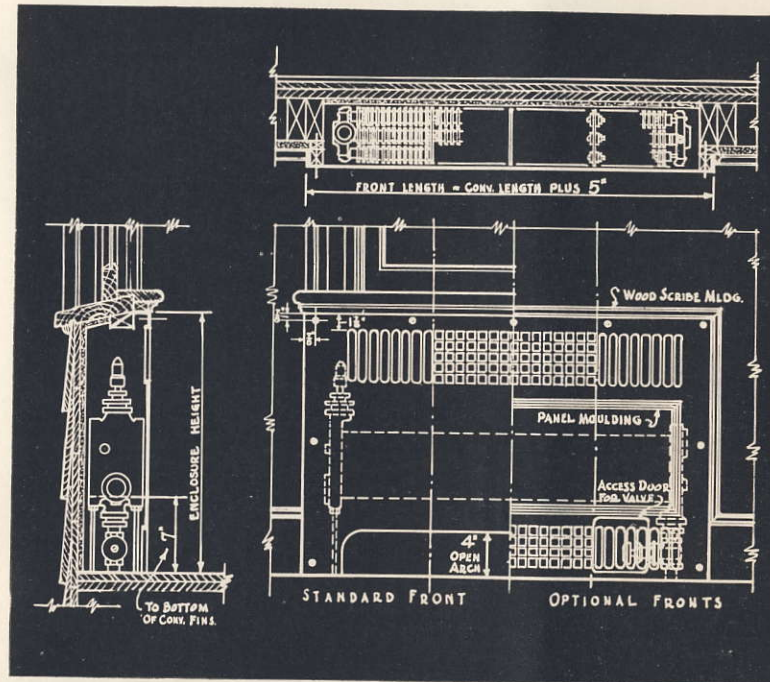
- Recess length = Convactor length plus 2".
- Recess height = Front Panel height minus $1\frac{1}{2}$ ".
- Recess depth should equal Convactor width plus $\frac{1}{4}$ ". The projection of this front should be added in considering depth requirements.
- In ordering, specify type, unit number, Front Panel height and any departure from standard.

[40]

AMERICAN RADIATORS

ARCO CONVECTORS

Type FC (Front Panel)



EXAMPLE FOR ORDERING:

- 1—FC 540 Arco Panel 26" E.H. 37.4 Sq. ft.
Slotted grille and arch inlet
For Y-6 conn. Fig. No. C-24

[41]

AMERICAN RADIATORS

ARCO CONVECTORS

Type FA (Front Panel)

DESCRIPTION—Type FA is a front panel only, designed for use with recessed treatments, to set against face of plaster and rest on baseboard. It is flush with plaster and made to overlap recess at top and sides and is provided with screw holes for securing to wood grounds. It is 5", or multiples of 5", longer than corresponding Convector and made in actual standard heights of: 13", 15", 17", 19", 21", 24", 27", 30" and 33", or 5" less than enclosure height. Access to valve is obtained through inlet arch in baseboard. *Slotted outlet grille is standard.*

INSTALLATION—It is recommended that X-4 or Y-6, underneath connections, and gate valve be used wherever possible. If other connections are required, provision must be made for valve and trap space and access to valve. See Order Guide for all possible connections and proper enclosure size. Recess should only be of sufficient depth to take Convactor. If additional depth is required, the type FC is recommended. Scribe moulding may be used at ends of front.

OPTIONAL FEATURES

- *Damper can be furnished (except on 18" Enclosure height).
- *Square pierced outlet grille can be substituted for standard.
- *Streamline grilles can be furnished.
- *Applied panel moulding is furnished if required.
- *Other than standard lengths and heights of front panel can be furnished where necessary.
- *Access door can be furnished.
- *At additional price.

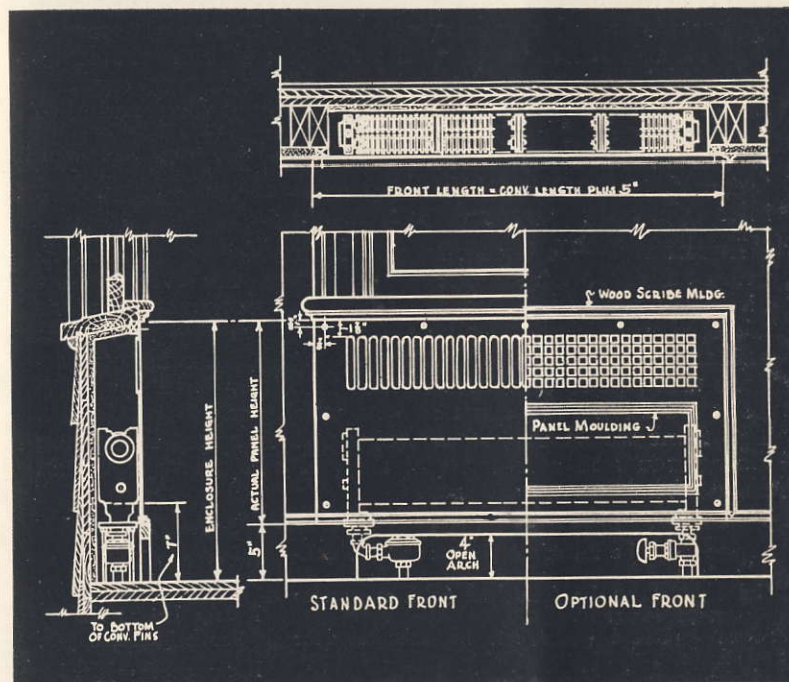
RECESS DIMENSIONS

- Recess length = Convactor length plus 2".
 - Recess height = Front Panel height minus 1½".
 - Recess depth should equal Convactor width plus ¼".
- In ordering, specify type, unit number, actual panel height, enclosure height and any departure from standard.

AMERICAN RADIATORS

ARCO CONVECTORS

Type FA (Front Panel)



EXAMPLE FOR ORDERING:

- 1—FA 345 Arco Panel 26" E.H. 28.5 Sq. ft.
21" actual height with slotted grille
For X-4 conn. Fig. No. C-9

AMERICAN RADIATORS

ARCO CONVECTORS

Type PF (Plaster Front)—COMPLETE ENCLOSURE

DESCRIPTION—Type PF is a complete enclosure designed for use in plaster or tile treatments and must be fully recessed. The front rests against the studding, being $1\frac{3}{8}$ " longer than lining and is provided with holes for securing wire lath. The throat projects $\frac{3}{4}$ " for thickness of plaster unless otherwise specified and is flanged to receive outlet grille. The bottom is flanged to support plaster or tile and to receive ground to which baseboard may be nailed. Baseboard with arch inlet 4" high should be provided. The enclosure lining is $1\frac{1}{2}$ " longer than corresponding ARCO CONVECTOR, is provided with holes for securing to ends of recess and carries flanges turned outwardly $\frac{11}{16}$ " at each end. It is made in standard heights of: 18", 20", 22", 24", 26", 29", 32", 35" and 38". Access to valve is obtained through inlet arch. *Slotted outlet grille is standard.*

INSTALLATION—It is recommended that X-4 or Y-6, underneath connections and gate valve be used wherever possible and 4" inlet arch in baseboard be provided. If other connections are used, provision must be made for valve and trap space and access to valve. See Order Guide for all possible connections and proper enclosure size. If "PFP" Front only is used, front would be the same size as with complete enclosure. The front would be $2\frac{7}{8}$ " longer than corresponding ARCO CONVECTOR and actual height shipped will be 4" less than standard heights listed above.

OPTIONAL FEATURES

- *Damper can be furnished (except on 18" Enclosure height).
- *Inlet grille can be furnished (with one access door, if required).
- *Square pierced grille can be substituted for standard.
- *Streamline grilles can be furnished.
- *Other than standard lengths and heights of enclosures can be furnished where necessary. Standard front allows $\frac{3}{4}$ " for plaster, $1\frac{1}{2}$ " for tile (if specified).
- *Variation in these dimensions will be made to suit special requirements.
- *Special access doors can be provided in top grille if necessary.

*At additional price.

RECESS DIMENSIONS

Recess length = Convector length plus $1\frac{3}{4}$ ".

Recess height = Enclosure height minus $\frac{3}{4}$ ".

Recess depth = $\frac{3}{8}$ " plus Convector width plus $\frac{3}{4}$ " for plaster or plus $1\frac{1}{2}$ " for tile.

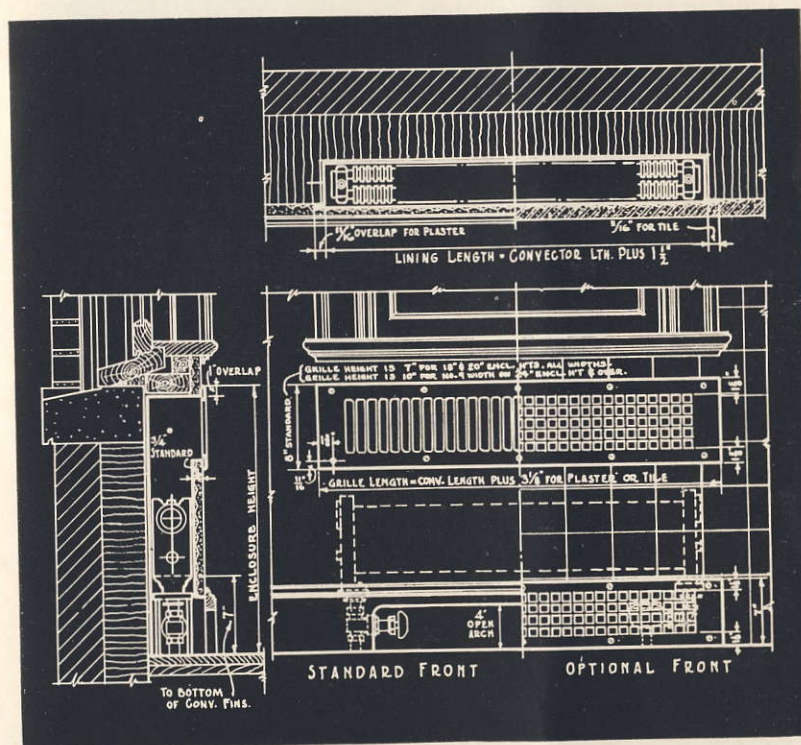
In ordering, specify type, unit number, Enclosure height, whether for plaster or tile, and any departure from standard.

AMERICAN RADIATORS

ARCO CONVECTORS

Type PF (Plaster Front)

COMPLETE ENCLOSURE



EXAMPLE FOR ORDERING:

1—PF 335 Arco Enclosure 26" E.H. 22.2 Sq. ft.
Slotted grille and open inlet
For X-4 conn. Fig. No. C-9

AMERICAN RADIATORS

ARCO CONVECTORS

Type OF (Overlap Front)

COMPLETE ENCLOSURE

DESCRIPTION—Type OF is a complete enclosure designed for use in wall treatments. It may also be used under window. It must be fully recessed. The front overlaps tile or plaster $\frac{1}{2}$ " at top and $\frac{1}{2}$ " at each side and is secured to lining by screws. The enclosure lining is $1\frac{1}{2}$ " longer than corresponding ARCO CONVECTOR and is made in standard heights of: 18", 20", 22", 24", 26", 29", 32", 35" and 38". The ends are provided with holes for securing to ends of recess. Access to valve is obtained through inlet arch. *Slotted outlet grille and inlet arch are standard.*

INSTALLATION—It is recommended that X-4 or Y-6, underneath connections, and gate valve be used wherever possible. If other connections are required, provision must be made for valve and trap space and access to valve. See Order Guide for all possible connections and proper enclosure size. In case recess is of insufficient depth to accommodate enclosure, wall must be furred to suit, as enclosure front must set against finished wall.

OPTIONAL FEATURES

- *Damper can be furnished (except on 18" Enclosure height).
- *Square pierced outlet grille, or slotted or square pierced inlet grille can be substituted for standard (with one access door, if required, right or left hand to be specified).
- *Stream line grilles can be furnished.
- *Applied panel moulding is furnished if required.
- *Other than standard lengths and heights of enclosures can be furnished where necessary. Center leg in inlet arch is provided on enclosures $59\frac{1}{2}$ " long and over.
- *Access door can be furnished other than in bottom grille.
- $\frac{3}{8}$ " rolled edges on top and side can be furnished if desired.

*At additional price.

RECESS DIMENSIONS

Recess length = Convector length plus $1\frac{3}{4}$ ".

Recess height = Enclosure height minus $\frac{1}{4}$ ".

Recess depth = Convector width plus $\frac{3}{8}$ ".

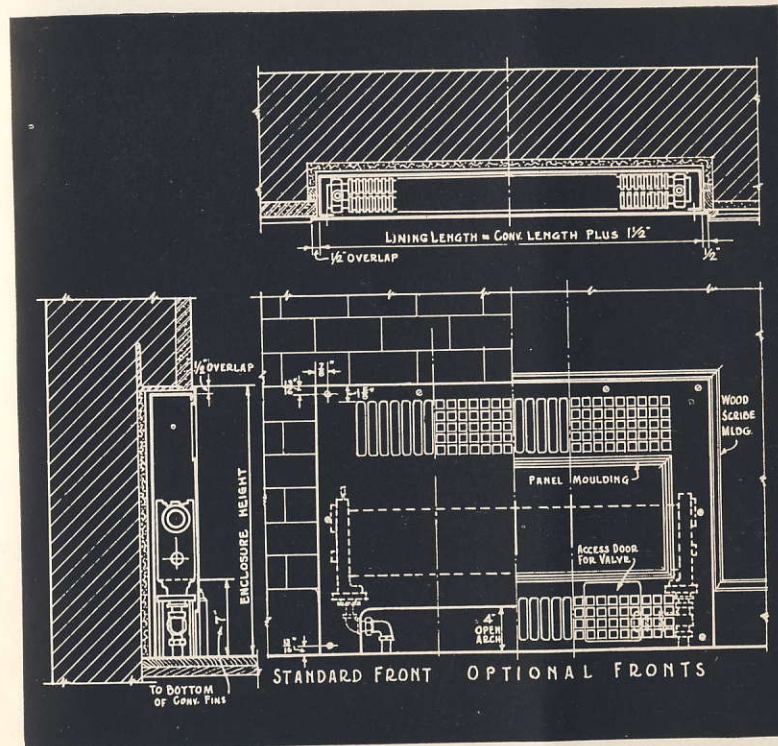
In ordering, specify type, unit number, Enclosure height and any departure from standard.

AMERICAN RADIATORS

ARCO CONVECTORS

Type OF (Overlap Front)

COMPLETE ENCLOSURE



EXAMPLE FOR ORDERING:

- 1—OF 550 Arco Enclosure 26" E.H. 46.8 Sq. ft.
Slotted grille and arch inlet
For X-4 conn. Fig. No. C-9

AMERICAN RADIATORS

ARCO CONVECTORS

Type W (Wall Hung)

COMPLETE ENCLOSURE

DESCRIPTION—Type W is a complete enclosure for wall hung treatment and has a removable front. The enclosure lining is $1\frac{1}{2}$ " longer than corresponding ARCO CONVECTOR, and is made in standard heights of: 13", 15", 17", 19", 21", 24", 27", 30", and 33". The ends are provided with knockouts in case end connections of Convector are to be used. The back is provided with holes for securing to wall. Slotted outlet grille is standard.

INSTALLATION—It is recommended that X-4, underneath connections, and gate valve be used wherever possible. If other connections are required, provision must be made for valve and trap space and access to valve. See Order Guide for all possible connections and proper enclosure lengths for same.

OPTIONAL FEATURES

- *Damper can be furnished (except on 18" enclosure height).
- *Streamline grilles can be furnished.
- *Other than standard lengths and heights of enclosures can be furnished where necessary.
- *Rounded corners can be furnished.
- *Applied panel moulding can be furnished if desired.
- *Square pierced outlet grille can be provided in stool if desired.
- *Access doors can be furnished.
- *At additional price.

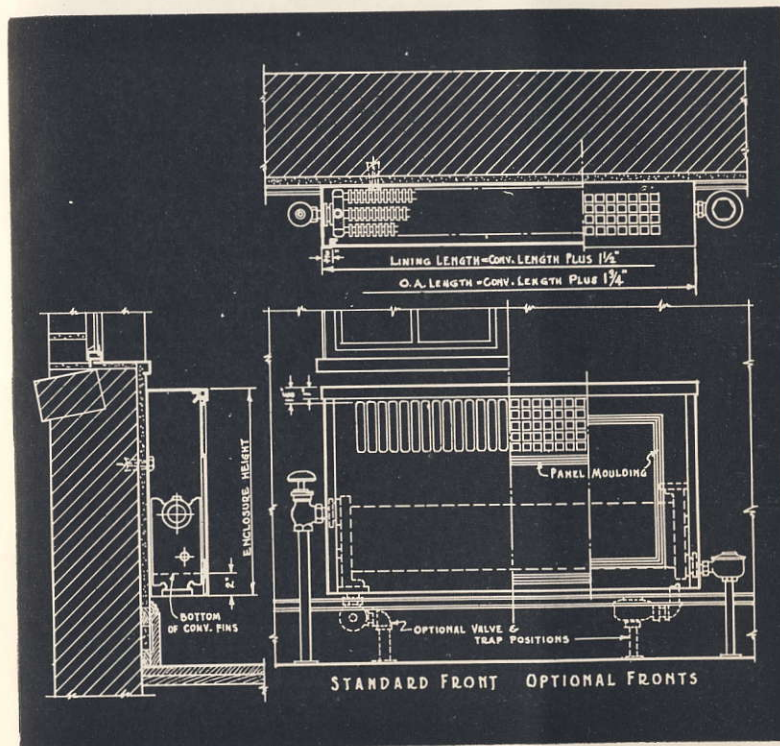
In ordering, specify type, unit number, enclosure height, and any departure from standard.

AMERICAN RADIATORS

ARCO CONVECTORS

Type W (Wall Hung)

COMPLETE ENCLOSURE



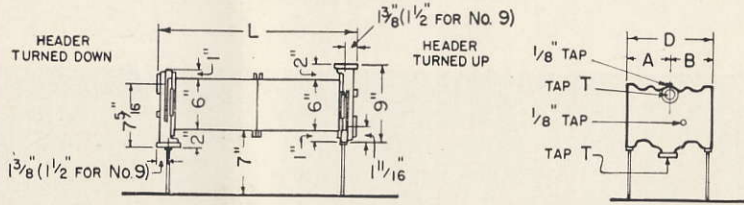
EXAMPLE FOR ORDERING:

1—W 550 Arco Enclosure 19" E.H. 44.6 Sq. ft.
Slotted grille
For Y-2 conn. Fig. No. C-13

AMERICAN RADIATORS

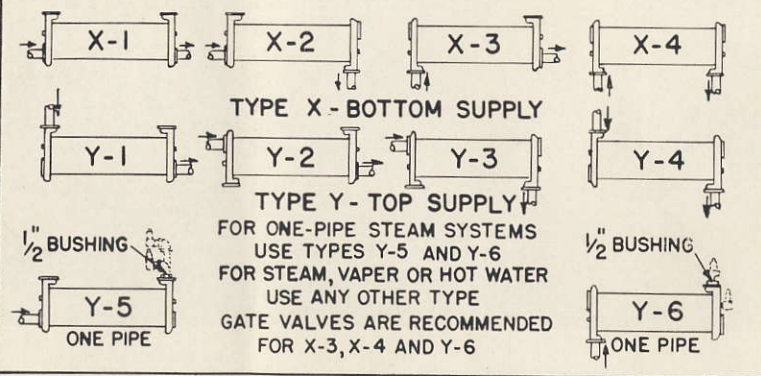
ARCO CONVECTOR

ARCO CONVECTOR DIMENSIONS



TYPE	DEPTH	TAPPING - LOCATION		TAPPING - SIZE
	D	A	B	T
3	3 3/4"	1 7/8"	1 7/8"	1 1/4"
5	5 5/8"	2 13/16"	2 13/16"	1 1/4"
7	7 5/8"	3 13/16"	3 13/16"	1 1/4"
9	9 1/2"	4 3/4"	4 3/4"	1 1/2"

TYPICAL PIPING DIAGRAMS



See Page 30 for Dimensions of Arco Radiant Convectors.

NOTE: Flush plugs are installed in side tappings of convectors making dimension "L" overall length. Add 1/2" to "L" for each bushing when side tappings are used.

AMERICAN RADIATORS

Steam or Water Ratings

ARCO CONVECTOR—No. 3—3 3/4" wide

ARCO RADIANT CONVECTOR—No. 3—4 1/16" wide

*Output in Sq. Ft. Equivalent Direct Radiation

"L" Length Inches	Unit No.	60 1/2	63	65 1/2	68	70 1/2	73	75 1/2	78	80 1/2	83	85 1/2	88	90 1/2	93	95 1/2	98	100 1/2	
		ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"	ENCLOSURE HEIGHT TYPE "W"
13	313	318	320	323	325	328	330	333	335	338	340	343	345	348	350	353	355	358	360
15	6	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
17	6	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
19	7	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
21	7	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
23	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
25	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
27	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
31	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
33	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
35	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
37	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
39	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
41	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
43	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
45	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
47	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
49	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
51	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
53	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
55	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
57	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
59	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
61	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
63	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
65	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
67	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
69	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
71	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
73	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
75	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
77	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
79	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
81	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
83	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
85	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
87	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
89	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
91	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
93	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
95	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
97	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
99	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
101	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

Above ratings based on front outlet enclosures. For top outlet rating see table on page 33.
*To determine size of radiator divide total heat loss in B.t.u. by 240 for steam at 215°, or by 150 B.t.u. for water at 170°. For other water temperatures see page 60.

Convector Lengths are shown. Standard Enclosures are 1 1/4" longer.

AMERICAN RADIATORS

Steam or Water Ratings
 ARCO CONVECTOR—No. 5—5⁵/₈" wide
 ARCO RADIANT CONVECTOR—No. 5—5¹⁵/₁₆" wide
 *Output in Sq. Ft. Equivalent Direct Radiation

"L" Length Inches	13	18	20 1/2	23	25 1/2	28	30 1/2	33	35 1/2	38	40 1/2	43	45 1/2	48	50 1/2	53	55 1/2	58	60 1/2
Unit No.	513	518	520	523	525	528	530	533	535	538	540	543	545	548	550	553	555	558	560
ENCLOSURE HEIGHT	18	8.7	12.3	14.1	15.9	17.7	19.5	21.3	23.1	24.9	26.7	28.5	30.3	32.1	33.9	35.7	37.5	39.3	41.1
EXCEPT TYPE "W"	20	9.5	13.5	15.4	17.4	19.3	21.3	23.2	25.2	27.2	29.1	31.1	33.1	35.0	37.0	38.9	40.8	42.8	44.8
ENCLOSURE HEIGHT	22	10.3	14.5	16.6	18.7	20.8	22.9	25.1	27.2	29.3	31.4	33.5	35.6	37.7	39.8	41.9	44.0	46.2	48.3
EXCEPT TYPE "W"	24	10.9	15.4	17.6	19.9	22.2	24.4	26.6	28.9	31.1	33.3	35.5	37.7	40.0	42.2	44.4	46.6	48.9	51.3
ENCLOSURE HEIGHT	26	11.5	16.2	18.5	20.9	23.2	25.6	28.0	30.4	32.7	35.0	37.3	39.6	42.0	44.3	46.6	48.9	51.3	53.7
EXCEPT TYPE "W"	29	12.0	17.0	19.4	21.9	24.3	26.7	29.1	31.5	33.8	36.2	38.5	40.9	43.2	45.5	47.8	50.1	52.4	54.7
ENCLOSURE HEIGHT	30	12.4	17.5	20.0	22.5	25.0	27.4	30.0	32.4	34.8	37.2	39.6	42.0	44.4	46.8	49.2	51.6	54.0	56.4
EXCEPT TYPE "W"	33	12.7	17.9	20.5	23.1	25.7	28.3	30.9	33.5	36.1	38.7	41.3	43.9	46.5	49.1	51.7	54.3	56.9	59.5
ENCLOSURE HEIGHT	38	12.9	18.2	20.8	23.5	26.1	28.8	31.4	34.1	36.7	39.4	42.0	44.7	47.3	50.0	52.6	55.3	57.9	60.6
EXCEPT TYPE "W"	42	13.2	18.6	21.3	24.0	26.7	29.4	32.1	34.8	37.5	40.2	42.9	45.6	48.3	51.0	53.7	56.4	59.1	61.8
ENCLOSURE HEIGHT	47	13.5	19.0	21.8	24.5	27.2	30.0	32.8	35.5	38.3	41.1	43.8	46.6	49.4	52.2	54.9	57.7	60.4	63.2
EXCEPT TYPE "W"	57	13.8	19.5	22.4	25.2	28.1	30.9	33.8	36.6	39.4	42.3	45.1	48.0	50.8	53.6	56.4	59.2	62.0	64.8

Above ratings based on front outlet enclosures. For top outlet rating see table on page 33.
 *To determine size of radiator divide total heat loss in B.t.u. by 240 for steam at 215°, or by 150 B.t.u. for water at 170°. For other water temperatures see page 60.

AMERICAN RADIATORS

Steam or Water Ratings
 ARCO CONVECTOR—No. 7—7⁵/₈" wide
 ARCO RADIANT CONVECTOR—No. 7—7¹⁵/₁₆" wide
 *Output in Sq. Ft. Equivalent Direct Radiation

"L" Length Inches	13	18	20 1/2	23	25 1/2	28	30 1/2	33	35 1/2	38	40 1/2	43	45 1/2	48	50 1/2	53	55 1/2	58	60 1/2
Unit No.	713	718	720	723	725	728	730	733	735	738	740	743	745	748	750	753	755	758	760
ENCLOSURE HEIGHT	20	12.1	17.1	19.7	22.2	24.7	27.2	29.7	32.2	34.7	37.2	39.7	42.2	44.7	47.2	49.7	52.2	54.7	57.2
EXCEPT TYPE "W"	17	12.9	18.3	21.0	23.6	26.2	28.8	31.4	34.0	36.6	39.2	41.8	44.4	47.0	49.6	52.2	54.8	57.4	60.0
ENCLOSURE HEIGHT	22	13.7	19.4	22.2	25.0	27.8	30.6	33.4	36.2	39.0	41.8	44.6	47.4	50.2	53.0	55.8	58.6	61.4	64.2
EXCEPT TYPE "W"	21	14.4	20.4	23.4	26.4	29.4	32.4	35.4	38.4	41.4	44.4	47.4	50.4	53.4	56.4	59.4	62.4	65.4	68.4
ENCLOSURE HEIGHT	29	15.3	21.6	24.8	28.0	31.2	34.4	37.6	40.8	44.0	47.2	50.4	53.6	56.8	60.0	63.2	66.4	69.6	72.8
EXCEPT TYPE "W"	32	15.9	22.5	25.9	29.3	32.7	36.1	39.5	42.9	46.3	49.7	53.1	56.5	59.9	63.3	66.7	70.1	73.5	76.9
ENCLOSURE HEIGHT	30	16.4	23.1	26.6	30.1	33.6	37.1	40.6	44.1	47.6	51.1	54.6	58.1	61.6	65.1	68.6	72.1	75.6	79.1
EXCEPT TYPE "W"	33	16.7	23.7	27.3	30.9	34.5	38.1	41.7	45.3	48.9	52.5	56.1	59.7	63.3	66.9	70.5	74.1	77.7	81.3
ENCLOSURE HEIGHT	42	17.1	24.2	27.9	31.6	35.3	39.0	42.7	46.4	50.1	53.8	57.5	61.2	64.9	68.6	72.3	76.0	79.7	83.4
EXCEPT TYPE "W"	47	17.5	24.8	28.6	32.4	36.2	40.0	43.8	47.6	51.4	55.2	59.0	62.8	66.6	70.4	74.2	78.0	81.8	85.6
ENCLOSURE HEIGHT	52	17.8	25.2	29.1	33.0	36.9	40.8	44.7	48.6	52.5	56.4	60.3	64.2	68.1	72.0	75.9	79.8	83.7	87.6
EXCEPT TYPE "W"	57	18.1	25.7	29.7	33.7	37.7	41.7	45.7	49.7	53.7	57.7	61.7	65.7	69.7	73.7	77.7	81.7	85.7	89.7

Above ratings based on front outlet enclosures. For top outlet rating see table on page 33.
 *To determine size of radiator divide total heat loss in B.t.u. by 240 for steam at 215°, or by 150 B.t.u. for water at 170°. For other water temperatures see page 60.

Convector Lengths are shown. Standard Enclosures are 1 1/2" longer.

AMERICAN RADIATORS

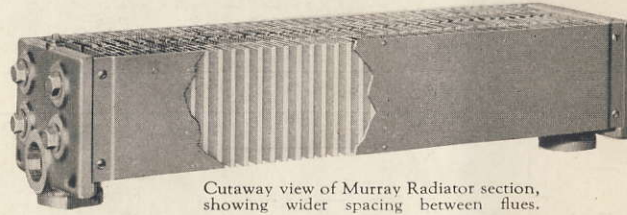
Steam or Water Ratings
 ARCO CONVECTOR—No. 9— $9\frac{1}{2}$ " wide
 ARCO RADIANT CONVECTOR—No. 9— $9\frac{1}{16}$ " wide
 *Output in Sq. Ft. Equivalent Direct Radiation

"L" Length Inches	"L" Lengths are shown. Standard Enclosures are $1\frac{1}{2}$ " longer.															
	63	65½	68	70½	73	75½	78	80½	83	85½	88	90½	93	95½	98	100½
13	913	918	920	923	925	928	930	933	935	938	940	943	945	948	950	953
14	520	623	726	729	832	835	938	941	945	048	051	154	157	260	263	
15	522	625	728	731	834	837	940	943	947	050	053	156	159	262	265	
16	523	626	729	732	835	838	941	944	948	051	054	157	160	263	266	
17	524	627	730	733	836	839	942	945	949	052	055	155	158	261	264	
18	525	628	731	734	837	840	943	946	950	053	056	156	159	262	265	
19	526	629	732	735	838	841	944	947	951	054	057	157	160	263	266	
20	527	630	733	736	839	842	945	948	952	055	058	158	161	264	267	
21	528	631	734	737	840	843	946	949	953	056	059	159	162	265	268	
22	529	632	735	738	841	844	947	950	954	057	060	160	163	266	269	
23	530	633	736	739	842	845	948	951	955	058	061	161	164	267	270	
24	531	634	737	740	843	846	949	952	956	059	062	162	165	268	271	
25	532	635	738	741	844	847	950	953	957	060	063	163	166	269	272	
26	533	636	739	742	845	848	951	954	958	061	064	164	167	270	273	
27	534	637	740	743	846	849	952	955	959	062	065	165	168	271	274	
28	535	638	741	744	847	850	953	956	960	063	066	166	169	272	275	
29	536	639	742	745	848	851	954	957	961	064	067	167	170	273	276	
30	537	640	743	746	849	852	955	958	962	065	068	168	171	274	277	
31	538	641	744	747	850	853	956	959	963	066	069	169	172	275	278	
32	539	642	745	748	851	854	957	960	964	067	070	170	173	276	279	
33	540	643	746	749	852	855	958	961	965	068	071	171	174	277	280	
34	541	644	747	750	853	856	959	962	966	069	072	172	175	278	281	
35	542	645	748	751	854	857	960	963	967	070	073	173	176	279	282	
36	543	646	749	752	855	858	961	964	968	071	074	174	177	280	283	
37	544	647	750	753	856	859	962	965	969	072	075	175	178	281	284	
38	545	648	751	754	857	860	963	966	970	073	076	176	179	282	285	
39	546	649	752	755	858	861	964	967	971	074	077	177	180	283	286	
40	547	650	753	756	859	862	965	968	972	075	078	178	181	284	287	
41	548	651	754	757	860	863	966	969	973	076	079	179	182	285	288	
42	549	652	755	758	861	864	967	970	974	077	080	180	183	286	289	
43	550	653	756	759	862	865	968	971	975	078	081	181	184	287	290	
44	551	654	757	760	863	866	969	972	976	079	082	182	185	288	291	
45	552	655	758	761	864	867	970	973	977	080	083	183	186	289	292	
46	553	656	759	762	865	868	971	974	978	081	084	184	187	290	293	
47	554	657	760	763	866	869	972	975	981	082	085	185	188	291	294	
48	555	658	761	764	867	870	973	976	982	083	086	186	189	292	295	
49	556	659	762	765	868	871	974	977	983	084	087	187	190	293	296	
50	557	660	763	766	869	872	975	978	984	085	088	188	191	294	297	
51	558	661	764	767	870	873	976	979	985	086	089	189	192	295	298	
52	559	662	765	768	871	874	977	980	986	087	090	190	193	296	299	
53	560	663	766	769	872	875	978	981	987	088	091	191	194	297	300	
54	561	664	767	770	873	876	979	982	988	089	092	192	195	298	301	
55	562	665	768	771	874	877	980	983	989	090	093	193	196	299	302	
56	563	666	769	772	875	878	981	984	990	091	094	194	197	300	303	
57	564	667	770	773	876	879	982	985	991	092	095	195	198	301	304	

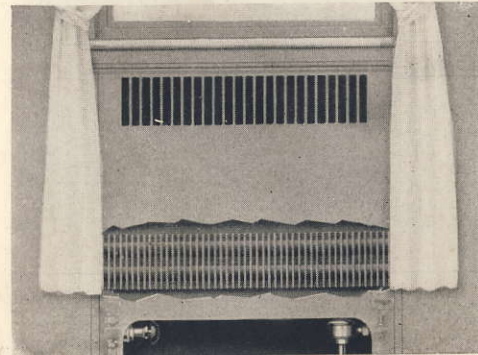
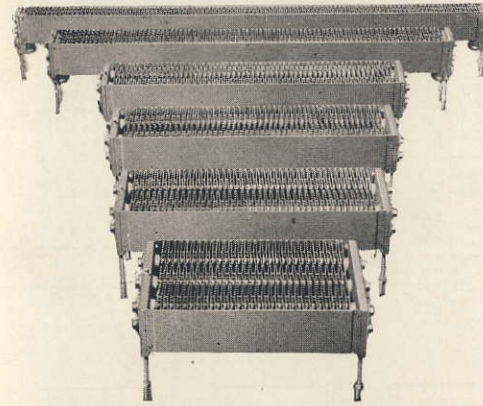
Above ratings based on front outlet enclosures. For top outlet rating see table on page 33.
 *To determine size of radiator divide total heat loss in B.t.u. by 240 for steam at 215°, or by 150 B.t.u. for water at 170°. For other water temperatures see page 60.

AMERICAN RADIATORS

NEW MURRAY RADIATORS



Cutaway view of Murray Radiator section, showing wider spacing between flues.



In the field of non-ferrous type radiation, the New Murray Radiator has achieved outstanding success. Years of designing and testing in our laboratories have placed it on a high level of service in point of efficiency and hygienic operation.

The New Murray Radiator is made in six widths — No. 2, $2\frac{3}{8}$ " wide; No. 3, $3\frac{3}{4}$ " wide; No. 5, 5" wide; No. 6, $6\frac{3}{8}$ " wide; No. 7, $7\frac{3}{4}$ " wide; and No. 10, $10\frac{3}{8}$ " wide.

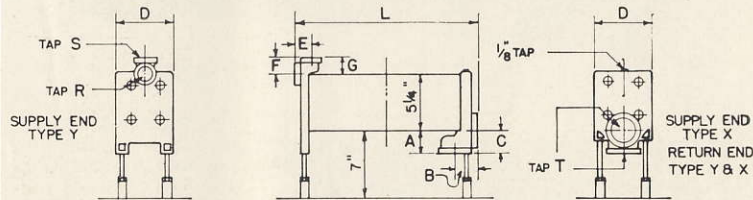
It is equally well adapted for one or two pipe steam, vapor or hot water systems and, when installed with Arco Enclosures, combines high heating efficiency with attractive appearance.

Arco Enclosures similar to those shown for the Arco Convector on pages 34-49, are made specially for New Murray Radiators. Correctly designed and proportioned, they assure ease of installation and utmost efficiency.

AMERICAN RADIATORS

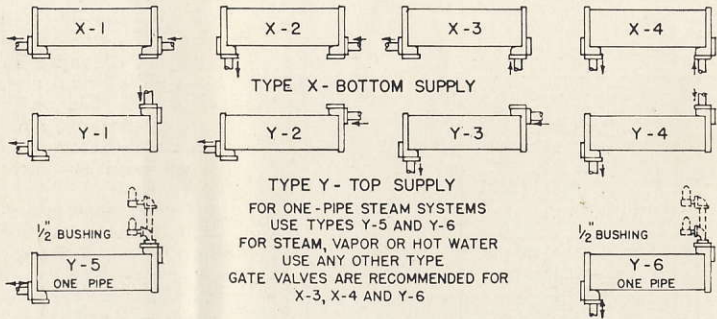
NEW MURRAY RADIATOR

NEW MURRAY DIMENSIONS



TYPE	DEPTH D	A	B	C	E	F	G	TAP T	TAP S	TAP R
2	2 3/8"	2 1/8"	1 9/16"	1 1/2"	1 1/4"	1 1/4"	1 5/8"	1 1/4"	3/4"	1"
3	3 3/4	2 1/8"	1 1/2"	1 1/2"	1 1/4"	1 1/4"	1 5/8"	1 1/4"	3/4"	1"
5	5	1 11/16"	1 1/2"	1 9/16"	1 1/4"	1 1/4"	1 9/16"	1 1/4"	3/4"	1"
6	6 3/8	2	1 3/8"	1 11/16"	1 1/4"	1 1/4"	1 9/16"	1 1/2"	3/4"	1"
7	7 3/4	1 11/16"	1 3/8"	1 11/16"	1 1/4"	1 1/4"	1 9/16"	1 1/2"	3/4"	1"
10	10 3/8	2 1/8"	1 5/8"	1 11/16"	1 3/8"	1 1/16"	2 1/8"	1 1/2"	3/4"	1 1/4"

TYPICAL PIPING DIAGRAMS



Add 1/2" to "L" for each plug or bushing as hexagon head plugs are furnished in side tappings.

AMERICAN RADIATORS

NEW MURRAY STEAM AND WATER RADIATOR RATINGS

*Output in Sq. Ft. Equivalent Direct Radiation

Radiator No. 2 (2 3/8" Wide) Radiator No. 3 (3 3/4" Wide)

Length in inches	Radiator No. 2 (2 3/8" Wide)										Radiator No. 3 (3 3/4" Wide)									
	12 1/4	15	17 1/4	20	22 1/4	25	27 1/4	30	32 1/4	35	37 1/4	40	42 1/4	45	47 1/4	50	52 1/4	55	57 1/4	60
Unit No.	212	215	217	220	222	225	227	230	232	235	237	240	242	245	247	250	252	255	257	260
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
EXCEPT TYPE "W"	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
ENCLOSURE HEIGHT	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41					

AMERICAN RADIATORS

TABLE OF B.T.U. FACTORS FOR VARIOUS AVERAGE HOT WATER TEMPERATURES

ARCO CONVECTOR ARCO RADIANT CONVECTOR

The following table shows the average water temperature in the Arco Convector and also the output in B.t.u. per square foot equivalent direct radiation corresponding to the average water temperature. In using this table, the total heat loss in B.t.u.'s divided by the B.t.u. factor corresponding to the average water temperature will give the equivalent square feet required. The Arco Convector can then be selected directly from the rating tables on pages 51-54.

Specified Average Water Temperature in Arco Convector	B.t.u. Per Sq. Ft.
215 degrees.....	240 B.t.u.
210 degrees.....	230 B.t.u.
200 degrees.....	210 B.t.u.
190 degrees.....	190 B.t.u.
180 degrees.....	170 B.t.u.
170 degrees.....	150 B.t.u.
160 degrees.....	130 B.t.u.
150 degrees.....	110 B.t.u.

NEW MURRAY RADIATOR

The following table shows the average water temperature in the New Murray Radiator and also the output in B.t.u. per square foot equivalent direct radiation corresponding to the average water temperature. In using this table, the total heat loss in B.t.u.'s divided by the B.t.u. factor corresponding to the average water temperature will give the equivalent square feet required. The New Murray Radiator can then be selected directly from the rating tables on pages 57-59.

Specified Average Water Temperature in New Murray Radiators	B.t.u. Per Sq. Ft.
215 degrees.....	240 B.t.u.
210 degrees.....	230 B.t.u.
200 degrees.....	210 B.t.u.
190 degrees.....	190 B.t.u.
180 degrees.....	170 B.t.u.
170 degrees.....	150 B.t.u.
160 degrees.....	130 B.t.u.
150 degrees.....	110 B.t.u.

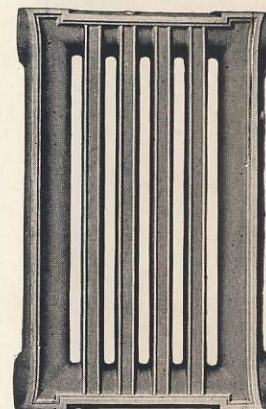
AMERICAN RADIATORS

PEERLESS WALL RADIATORS

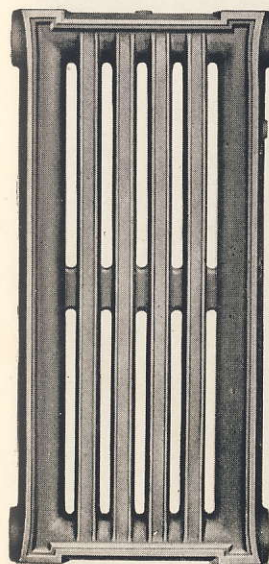
AMERICAN Peerless Wall Radiators are designed to give maximum heating results where radiation space is limited, as in factorywork, shops, loft buildings, storehouses, garages, lobbies, corridors, stairways, bath rooms, etc.

These radiators are made in five styles, with provisions for numerous groupings; and may be assembled to meet any structural condition, fitting into restricted spaces of practically any size or shape, under windows or between them, on walls, ceilings or in skylights.

Right- and left-hand threaded hexagon nipples made of malleable iron are supplied for connecting banks of assembled radiators.



No. 7-B



No. 9-B

Peerless Wall Radiators should always be assembled with bars vertical to secure greatest heating efficiency. The 7- and 9-foot Sections are, therefore, made in two styles: Nos. 7-A and 9-A have bars running crosswise of the Section and are regularly tapped for connecting end to end. Nos. 7-B and 9-B have bars running lengthwise of the Section and are regularly tapped for connecting side by side.

No. 5-A is made with bars running crosswise of the Section only and is regularly tapped for connecting end to end.

On special order, the No. 5-A, 7-A and 9-A Sections can be furnished with tappings at 30, 40, 70, and 80 as illustrated on page 62.

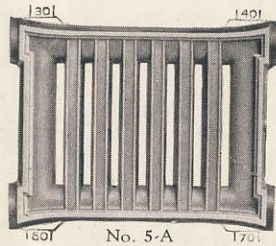
For Ratings and Measurements of Sections and Assemblages see pages 62, 63 and 64.

For Methods of Assembling, see pages 62 to 71 inclusive.

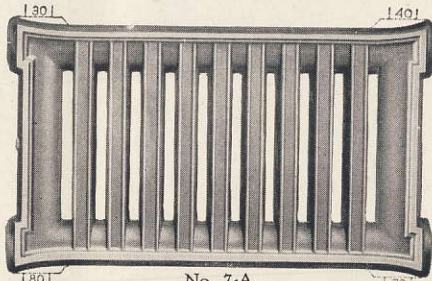
For Tappings, Connections, Directions for Ordering, and Shipping Conditions, see page 64.

AMERICAN RADIATORS

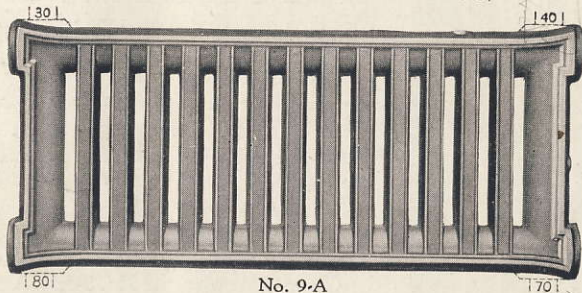
PEERLESS WALL RADIATORS



No. 5-A



No. 7-A



No. 9-A

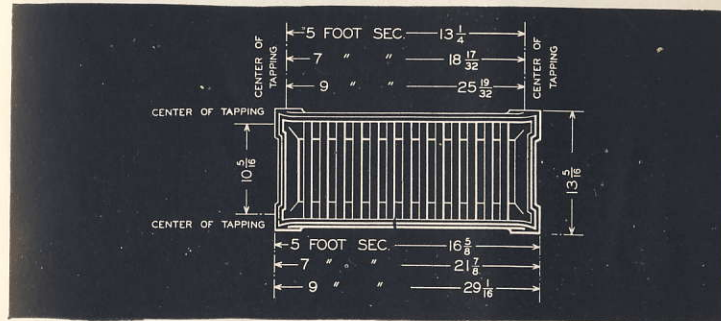
RATING AND MEASUREMENT OF SECTIONS

Number of Sections	Height Inches	Length or Width Inches	Thickness Inches	Thickness (with bracket) Inches	Heating Surface Square Feet
5-A	$13\frac{5}{16}$	$16\frac{5}{8}$	$2\frac{7}{8}$	$3\frac{1}{2}$	5
7-A	$13\frac{5}{16}$	$21\frac{7}{8}$	$2\frac{7}{8}$	$3\frac{1}{2}$	7
7-B	$21\frac{7}{8}$	$13\frac{5}{16}$	$3\frac{1}{16}$	$3\frac{11}{16}$	7
9-A	$13\frac{5}{16}$	$29\frac{1}{16}$	$2\frac{7}{8}$	$3\frac{1}{2}$	9
9-B	$29\frac{1}{16}$	$13\frac{5}{16}$	$3\frac{1}{16}$	$3\frac{11}{16}$	9

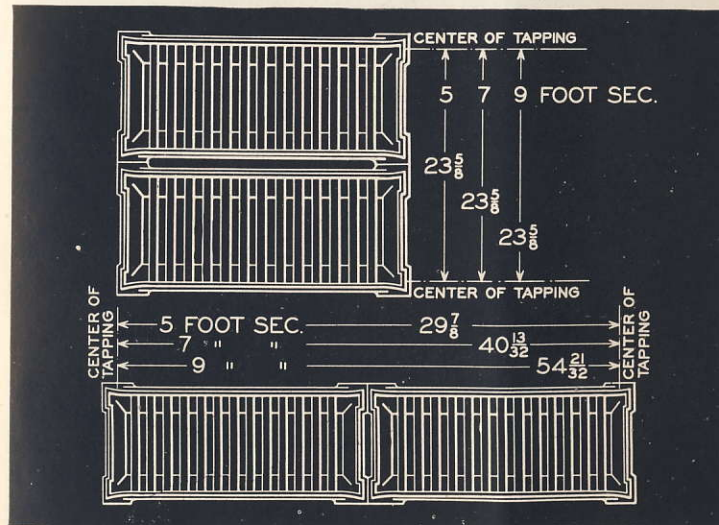
AMERICAN RADIATORS

PEERLESS WALL RADIATORS

MEASUREMENTS



Above measurements apply to either "A" or "B" styles



Note.—The regular tappings of American Wall Radiators as shown on the following pages are indicated by Nos. 2, 3, 4, 5, 6, 7, 8 and 9. Nos. 20, 30, 40, 50, 60, 70, 80 and 90 indicate special tappings which can be furnished if desired and for which an extra charge will be made. Tappings are $1\frac{1}{2}$ inches, supply and return, and bushed as desired. Add $1\frac{1}{8}$ inches to length measurement for each hexagonal nipple used in assembling. See also "Directions for Ordering," page 64. For heating surface and length of space occupied, see page 65.

AMERICAN RADIATORS

DIRECTIONS FOR ORDERING

Where higher working pressures (steam or water) than 15 pounds for steam or 30 pounds for water are required, order must specifically so state. In these cases wall radiators are furnished only with outside hexagon nipples.

For convenience in handling and shipping unless otherwise ordered, No. 5-A Radiators will be assembled in stacks not exceeding 6 sections; No. 7-A Radiators in stacks not exceeding 4 sections; No. 9-A Radiators in stacks not exceeding 3 sections; and Nos. 7-B and 9-B Radiators in stacks not exceeding 7 sections.

When fitter intends to erect a stack consisting of more sections than above mentioned, or when the sections or stacks are to be set in rows or series (as shown by illustrations on pages 67 to 71), we provide a right- and left-hand threaded nipple *having hexagon nut at center*, enabling the fitter to easily connect the stacks or rows on the job.

Peerless Wall Radiation is tapped 1½-inch supply and return and bushed as desired. It is connected with 1½-inch right- and left-hand threaded internal nipples. These nipples have two heavy inside lugs so that an ordinary piece of 1-inch round iron flattened at one end the length of nipple, can be inserted to any desired point in the Radiator, and by applying an ordinary wrench to bar, the nipple can be screwed or unscrewed and one or more sections may be added or taken out independently of all the others in the stack. We can furnish these bars (Direct Radiator Wrenches) in sizes as noted on page 12.

Orders should refer to figure number showing assemblage (see pages 66 to 71). The figures shown on these pages illustrate the common ways of assembling comparatively small units, but wall radiators can be assembled in any number of sections, either longer or higher, than shown in the figures. It is our practice, however, when a greater number of sections of a given figure than exactly shown in the figure, are specified, to always build onto the length, maintaining the height as shown in the figure. The safe way in ordering is always to send sketch unless you are ordering exactly the number of sections as shown in the figure.

AMERICAN RADIATORS

TABLE SHOWING LENGTH OF SPACE OCCUPIED—AND HEATING SURFACE FOR VARIOUS SIZES AND ASSEMBLAGES OF PEERLESS WALL RADIATORS

Number of Sections	Length of Space Occupied			Heating Surface, Square Feet			
	Type 5-A Feet Inches	Type 7-A Feet Inches	Type 9-A Feet Inches	Types 7-B, 9-B Feet Inches	Type 5	Type 7	Type 9
1	1-4 ⁵ / ₈	1-9 ⁷ / ₈	2-5 ¹ / ₆	1-1 ⁵ / ₆	5	7	9
2	2-0 ¹ / ₄	3-2 ³ / ₄	4-10 ¹ / ₈	2-2 ⁵ / ₈	10	14	18
3	4-1 ¹ / ₈	5-5 ⁵ / ₈	7-3 ³ / ₆	3-3 ¹⁵ / ₁₆	15	21	27
4	5-6 ¹ / ₂	7-3 ¹ / ₂	9-8 ¹ / ₄	4-5 ¹ / ₄	20	28	36
5	6-11 ¹ / ₈	9-1 ³ / ₈	12-1 ⁵ / ₆	5-6 ⁹ / ₁₆	25	35	45
6	8-3 ³ / ₄	10-11 ¹ / ₄	14-6 ³ / ₈	6-7 ⁷ / ₈	30	42	54
7	9-8 ³ / ₈	12-9 ¹ / ₈	16-11 ⁷ / ₆	7-9 ⁹ / ₁₆	35	49	63
8	11-1-5 ⁵ / ₈	14-7-7 ⁷ / ₈	19-4 ¹ / ₂	8-10 ¹ / ₂	40	56	72
9	12-5 ⁵ / ₈	16-4 ⁷ / ₈	21-9 ⁹ / ₁₆	9-11 ³ / ₆	45	63	81
10	13-10 ¹ / ₄	18-2 ³ / ₄	24-2 ⁵ / ₈	11-1 ¹ / ₈	50	70	90
11	15-2 ⁷ / ₈	20-0 ⁵ / ₈	26-7 ¹¹ / ₁₆	12-2 ⁷ / ₆	55	77	99
12	16-7 ¹ / ₂	21-10 ¹ / ₂	29-0 ³ / ₄	13-3 ³ / ₄	60	84	108
13	18-0 ¹ / ₈	23-8 ³ / ₈	31-5 ¹³ / ₁₆	14-5 ¹ / ₆	65	91	117
14	19-4 ³ / ₄	25-6 ¹ / ₄	33-10 ⁷ / ₈	15-6 ³ / ₈	70	98	126
15	20-9 ³ / ₈	27-4 ¹ / ₈	36-3 ⁵ / ₁₆	16-7 ¹¹ / ₁₆	75	105	135
16	22-2	29-2	38-9	17-9	80	112	144
17	23-6 ⁵ / ₈	30-11 ⁷ / ₈	41-2 ¹ / ₆	18-10 ⁵ / ₁₆	85	119	153
18	24-11 ¹ / ₄	32-9 ³ / ₄	43-7 ¹ / ₈	19-11 ⁵ / ₈	90	126	162
19	26-3 ⁷ / ₈	34-7 ⁵ / ₈	46-0 ³ / ₆	21-0 ⁹ / ₁₆	95	133	171
20	27-8 ¹ / ₂	36-5 ¹ / ₂	48-5 ¹ / ₄	22-2 ¹ / ₄	100	140	180
21	29-1 ¹ / ₈	38-3 ³ / ₈	50-10 ⁵ / ₁₆	23-3 ⁹ / ₁₆	105	147	189
22	30-5 ³ / ₄	40-1 ¹ / ₄	53-3 ³ / ₈	24-4 ⁷ / ₈	110	154	198
23	31-10 ³ / ₈	41-11 ¹ / ₈	55-8 ⁷ / ₁₆	25-7 ¹ / ₂	115	161	207
24	33-3	43-9	58-1 ¹ / ₂	26-8 ¹⁹ / ₁₆	120	168	216
25	34-7 ⁵ / ₈	45-6 ⁷ / ₈	60-6 ⁹ / ₁₆	27-8 ¹⁹ / ₁₆	125	175	225
26	36-0 ¹ / ₄	47-4 ³ / ₄	62-11 ⁵ / ₈	28-10 ¹ / ₈	130	182	234

To these lengths add ½ inch for each end bushed and 1¼ inches for each Hexagon Nipple used in assembling.

AMERICAN RADIATORS

PEERLESS WALL RADIATORS

KEY TO FIGURE NUMBERING

The first numeral in each of the following Figure Numbers indicates the size of section, thus:—Figure 517 means 5 foot sections arranged in the manner as shown in sketch above the number; Figure 717 refers to 7 foot sections and to the same assemblage, and Figure 917 refers to 9 foot sections and to the same assemblage.

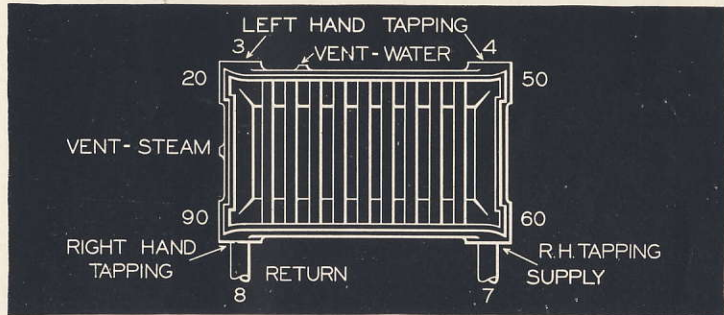


FIGURE 51, 71, or 91
Water and One- and Two-Pipe Steam

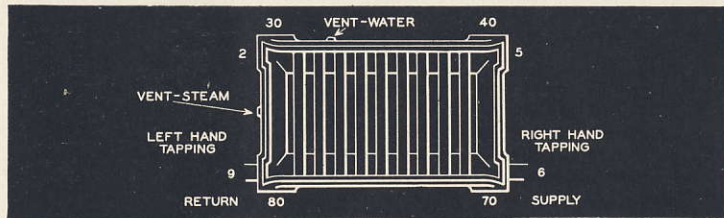


FIGURE 57, 77, or 97
Water and One- and Two-Pipe Steam

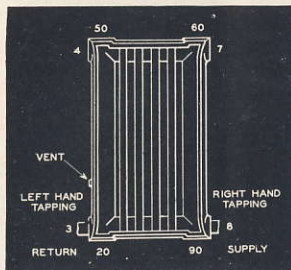


FIGURE 74 OR 94
One- and Two-Pipe Steam

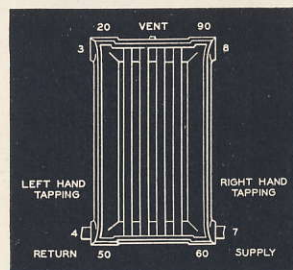


FIGURE 78 OR 98
Water

AMERICAN RADIATORS

PEERLESS WALL RADIATORS

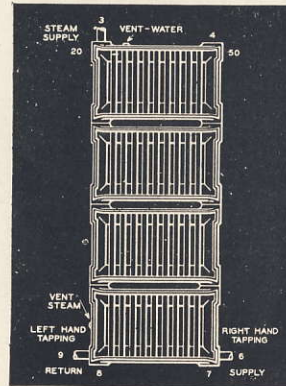


FIGURE 515, 715, or 915
Assembled Four Sections in
Four Tiers—Water and Two-
Pipe Steam

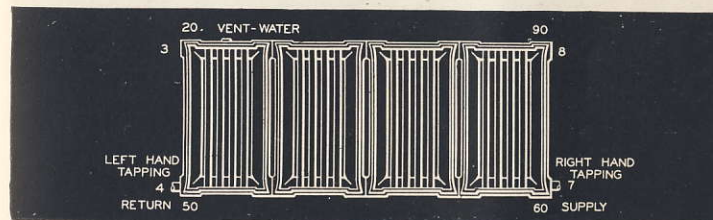


FIGURE 717 OR 917
Assembled Four Sections in Single Tier—Water

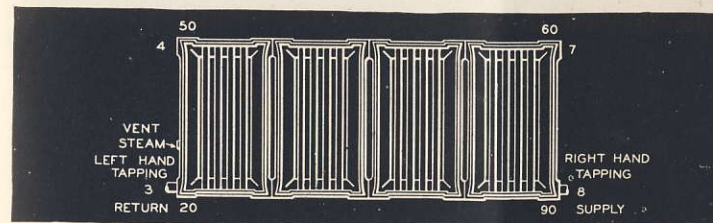


FIGURE 718 OR 918
Sections in Single Tier—One- and Two-Pipe Steam
See note on Tappings, page 64. Also see pages 63 and 65.

AMERICAN RADIATORS

PEERLESS WALL RADIATORS

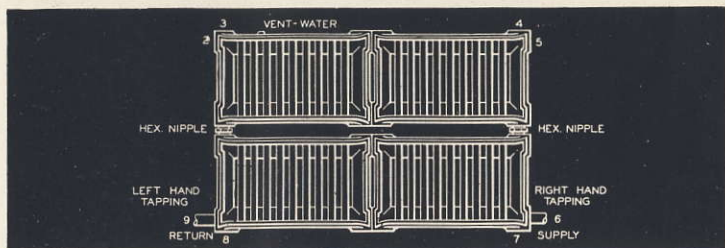


FIGURE 521, 721, or 921
Assembled Four Sections in Two Tiers—Water

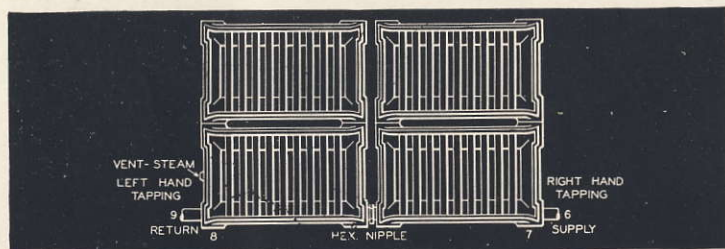


FIGURE 522, 722, or 922
Assembled Four Sections in Two Tiers—One and Two-Pipe Steam

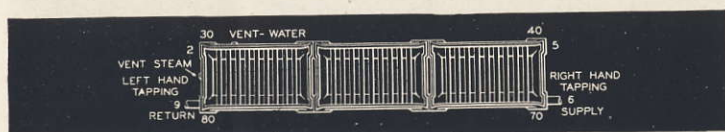


FIGURE 511, 711, or 911. Assembled Three Sections in Single Tier—Water and One and Two-Pipe Steam

See note on Tappings, page 64. Also see pages 63 and 65.

AMERICAN RADIATORS

PEERLESS WALL RADIATORS

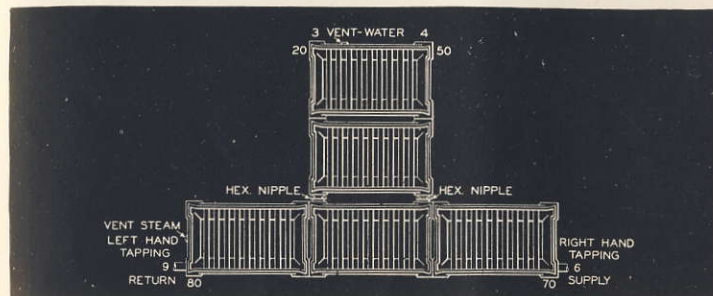


FIGURE 523, 723, or 923
Assembled Three and Two Sections with Three Tiers in Center—Water and One and Two-Pipe Steam

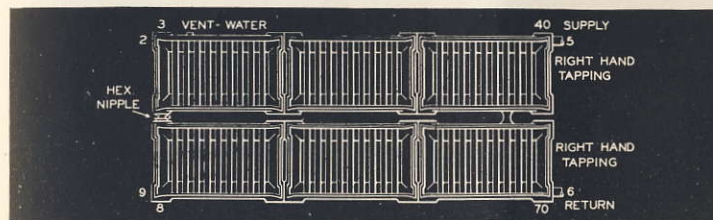


FIGURE 531, 731, or 931
Assembled Six Sections in Two Tiers—Water
Always indicate points at which tappings are required.

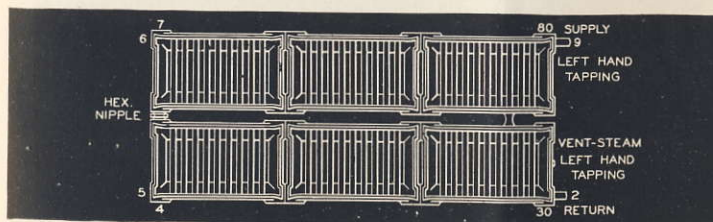


FIGURE 532, 732, or 932
Assembled Six Sections in Two Tiers—Two-Pipe Steam.
Always indicate points at which tappings are required.
See note on Tappings, page 64. Also see pages 63 and 65.

AMERICAN RADIATORS

PEERLESS WALL RADIATORS

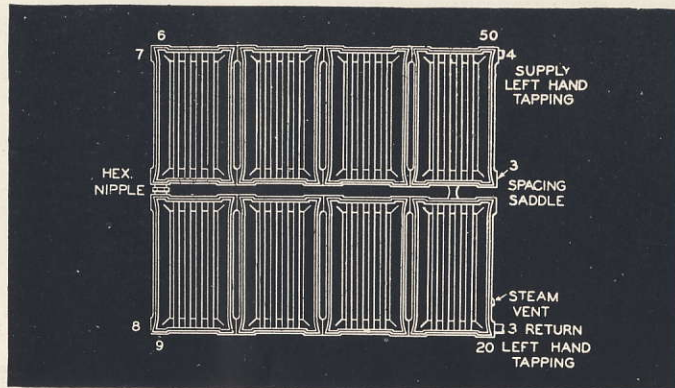


FIGURE 740 OR 940

Assembled in Eight Sections in Two Tiers—Using Spacing Saddle
Indicate points at which tappings are required.

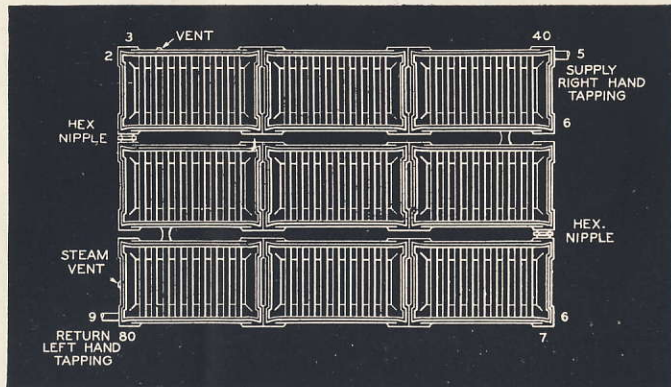


FIGURE 541, 741, OR 941

Assembled Nine Sections in Three Tiers—Using Spacing Saddle.
Indicate points at which tappings are required.

See note on Tappings, page 64. Also see pages 63 and 65.

AMERICAN RADIATORS

PEERLESS WALL RADIATORS

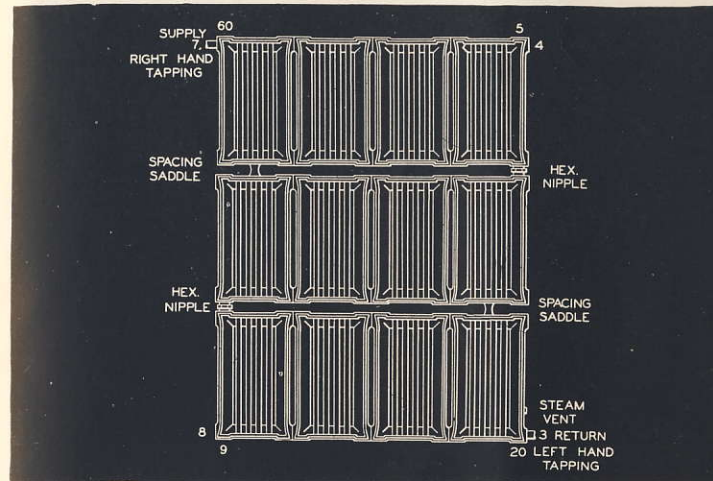
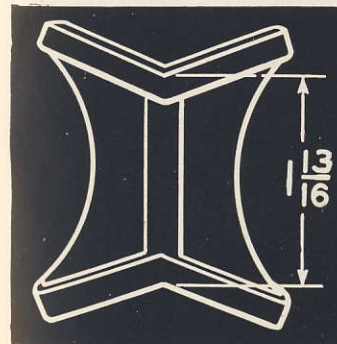


FIGURE 742 OR 942

Assembled in Twelve Sections in Three Tiers. Using Spacing Saddles
(see below)

Indicate points at which tappings are required.

See note on Tappings, page 64. Also see pages 63 and 65.

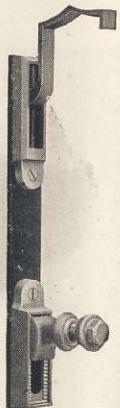


WALL RADIATOR
SPACING SADDLE

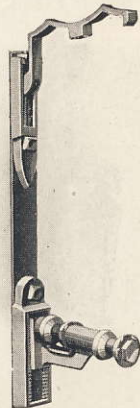
Furnished between sections in assemblages of Peerless Wall Radiators, similar to figure above. Saves using extra brackets. Furnished without charge.

AMERICAN RADIATORS

ARCO ADJUSTABLE WALL BRACKETS



Single spool bracket for single row of radiation



Double spool bracket for double row of radiation

MADE for all runs of wall radiators in factories, warehouses, theatres, railroad stations and other buildings, garages, schools, churches and residences.

By use of these brackets, which permit vertical adjustment of 2 inches, the fitter can adjust for "pitch" after they have been attached to the wall. The brackets set the outer face of the radiator $4\frac{3}{4}$ inches from the wall.

The spools on the bottom bracket allow a free horizontal movement of the radiators, thus taking care of any difference in "roughing-in" measurements, and afford free-play for expansion and contraction. The V-shape formed by the divided spool fits the edges of Peerless Wall sections, thus keeping them securely in place.

The malleable iron finger of the top bracket is set at its highest point and then screwed down to the radiator, merely guiding it and keeping it from tipping forward.

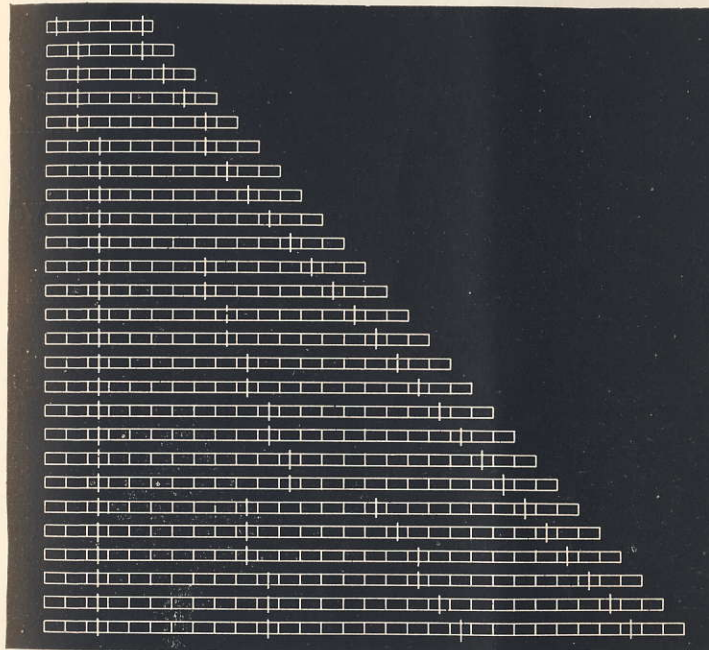
On SPECIAL ORDER we furnish the Arco Brackets with two spools (see above)—to carry two runs of radiation separated for "A" section about $1\frac{7}{16}$ inch, and for "B" section $1\frac{1}{4}$ inch.

For application of new Arco Adjustable Wall Brackets to Peerless Wall Radiators and for chart showing number and location of Brackets see pages 73 to 75.

When ordering state whether for use with 5, 7, or 9 square foot sections and whether of "A" or "B" pattern, giving figure number of assemblage. See pages 64 to 71. See page 75 for detail measurements.

AMERICAN RADIATORS

ARCO ADJUSTABLE WALL BRACKETS



FOR SINGLE ROW

Graphic chart to show by perpendicular lines how many and where to place New Arco Adjustable Wall Brackets upon Radiators of different assemblages, from 5 to 30 sections. (See page 75.)

FOR DOUBLE ROW OF RADIATION

The following table gives the number of double spool Arco adjustable brackets required to support properly two rows of "B" Sections Peerless Wall Radiators:

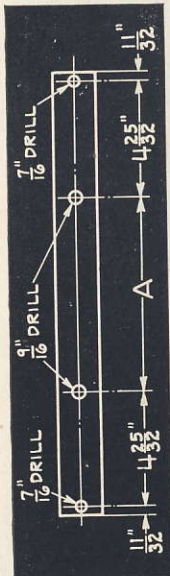
Number of Double Sections	Number of Brackets
5 to 8	2
9 to 14	3
15 to 24	5
25 to 32	7
33 to 45	8

See Measurements of Brackets, page 75

AMERICAN RADIATORS

ARCO ADJUSTABLE WALL BRACKETS

BEARING PLATE DIMENSIONS



BEARING Plates are first fastened to the wall after which Arco Adjustable Wall Brackets are fastened to the Bearing Plates.

No. 1 Bearing Plate for 5-A, 7-A and 9-A Peerless Wall Radiators in assemblages not requiring split plates.

No. 2 Bearing Plate for 7-B Peerless Wall Radiators in assemblages not requiring split plates.

No. 3 Bearing Plate for 9-B Peerless Wall Radiators in assemblages not requiring split plates.

DIMENSION A

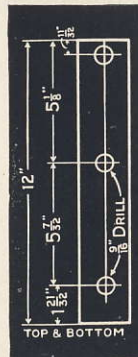
5 in. for No. 1 plate 20 $\frac{7}{8}$ in. for No. 3 plate
13 $\frac{3}{4}$ in. for No. 2 plate

SPLIT BEARING PLATE

For 5-A, 7-A and 9-A and 7-B and 9-B Peerless Wall Radiators as used in Assemblage Figs. 515, 715, 915, 740, 940, 541, 741, 941, 742 and 942.

Note

Dimensions of Bearing Plates for double row assemblages will be supplied on application.



Split Bearing Plate
Top and bottom plates are identical

AMERICAN RADIATORS

ARCO ADJUSTABLE WALL BRACKETS

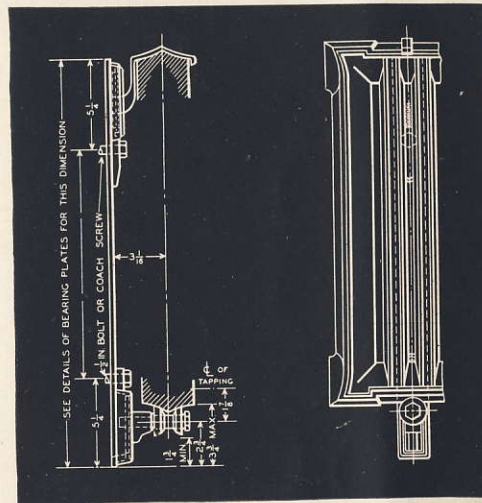


FIG. 1



FIG. 2

Figs. 1, 2 and 3 show construction details and measurements of Arco Adjustable Wall Brackets.

Fig. 1 illustrates Bracket for a single row of Peerless Wall Radiators.

Fig. 2 illustrates appearance of either Bracket when supporting Peerless Wall Radiators.

Fig. 3 illustrates Bracket for double row of Peerless Wall Radiators.

For Bearing Plate Dimensions see page 74.

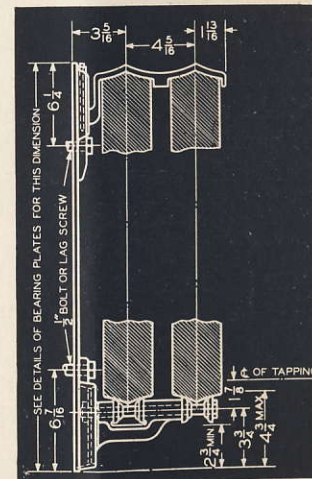
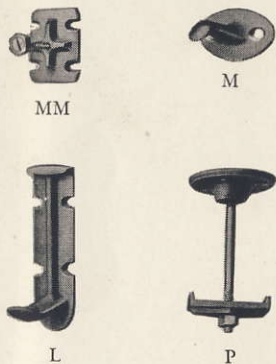


FIG. 3

AMERICAN RADIATORS

PEERLESS WALL AND CEILING BRACKETS



BRACKETS "L," "MM," and "M": Screwed to wall, base-board or wainscoting. "L" Brackets are bottom supports for all sizes of Wall Radiators. "MM" and "M" Brackets are top guides to hold radiator in place. "L" and "MM" Brackets are concealed, "M" Brackets are not. One "MM" or "M" Bracket should always be provided for use with each "L" Bracket. "L" and "MM" Brackets are slotted for four, and the "M" Bracket for two wood screws—not furnished by us. With each "MM" Bracket we furnish one ¼-inch stove bolt and one button.

CEILING BRACKET "P": Made of cast plate, 3½ inches diameter and screwed to ceiling joists by four screws—not furnished by us. The bolt furnished gives a distance of 3½ inches to 5 inches from bottom of Radiator to ceiling. Other length bolts can be furnished on special order.

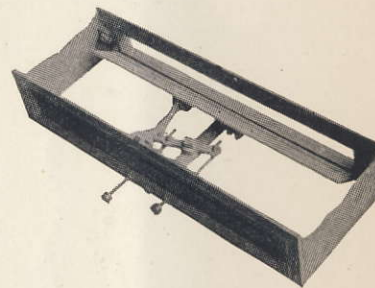
NOTE.—In ordering buttons and stove bolts separately, state for which bracket, because of different lengths of bolts.

AMERICAN RADIATORS

PORTABLE VENTILATING BOX-BASE

FOR VENTILATING RADIATORS

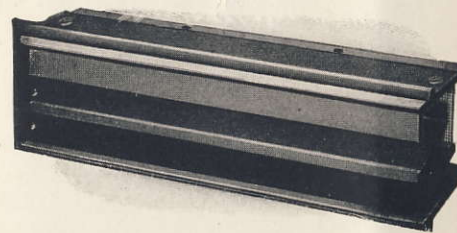
IN this interchangeable Base dampers work with reversible action. When front damper is open, back damper is closed, and vice versa. When front damper is open, air is taken from the room; when rear damper is open, air comes from outside. Furnished with opening and damper in back.



Front View—with Rear Wall Collar and Damper

Specify whether bases are desired with regular inlet collar in rear as above shown or for inlet to come through floor.

WALL BOXES



THESE are substantially constructed with heavy enamel finish and their angle slats and inside brass-wire screen render them storm and insect-proof. Made in two sizes.

LARGE BOX, exclusive of flange, 8x25 inches; including rib or flange, 8⅞x25½ inches; depth of box from front flange to rear, 4 inches. Collar at the rear, 7⅞x24⅝ inches.

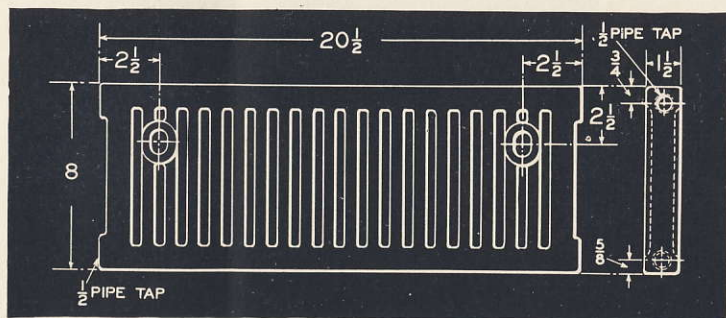
SMALL BOX, exclusive of flange, 5x17½ inches; including rib or flange, 5⅝x18 inches; depth of box from front flange to rear, 4 inches. Collar at rear, 4⅞x17⅞ inches.

AMERICAN RADIATORS

PEERLESS BATHROOM RADIATOR



THE Peerless Bathroom Radiator is designed especially for the warming of modern bathrooms, such as are found in hotels, apartments, etc. The space available for radiation in such rooms is so limited that the Peerless Bathroom Radiator fills a long felt need. This efficient radiator is easily fastened to the wall under the wash basin by simple lag screws or hooks. When harmoniously enameled its appearance is most pleasing.

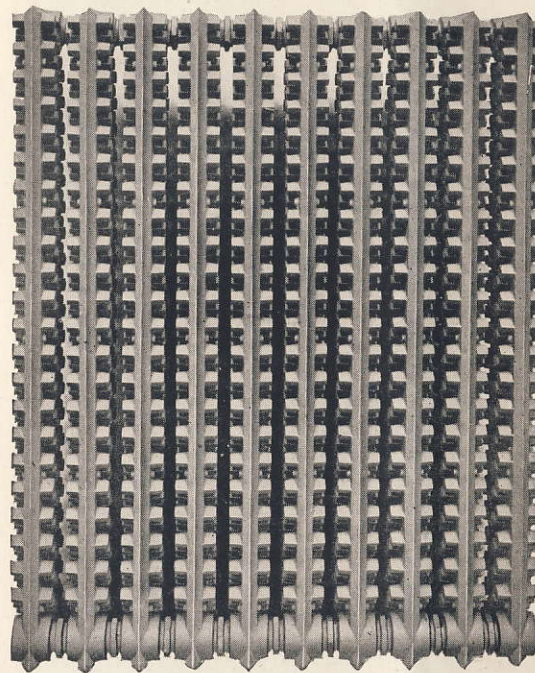


Heating Surface, $3\frac{1}{2}$ square feet. Wall Area, 1.15 square feet.
Two $\frac{1}{2}$ -inch Tappings.

AMERICAN RADIATORS

VENTO CAST IRON HEATER

FOR FAN OR BLOWER WORK



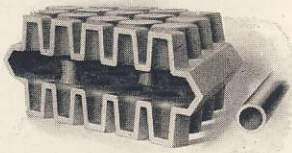
JUST as American Radiators have become the standard for direct radiator heating, so also has the Vento Cast Iron Hot Blast Heater become the standard of merit for blower and ventilation systems. For this heater is constructed according to scientific principles and the same exacting standards of manufacture that make all American Radiators and IDEAL Boilers so acceptable and popular the world over. Vento heaters are

AMERICAN RADIATORS

furnishing satisfactory heating and ventilating service in thousands of large and small buildings, such as schools, churches, stores, banks, hospitals, hotels, clubs, theatres, auditoriums, libraries, etc.—wherever people are accustomed to congregate in large numbers.

These heaters are unequaled in operating efficiency. Internal currents of steam or hot water carry the heat through the hollow iron heating spaces shown in the illustration, while the exterior surfaces are very carefully designed to effect the maximum rubbing contact with the air and therefore the greatest possible heat transfer per square foot of surface. The warmed air is distributed at comfortable temperatures through the building.

Vento Heaters are shipped in blocks of sections, easily handled. Sections consist of only three parts, one main casting and two hexagon nipples. They may be carried through doors, windows or ordinary openings and may be quickly assembled. A considerable saving in labor is thus effected.



Comparative Cross-Section View of VENTO section and a 1-inch pipe

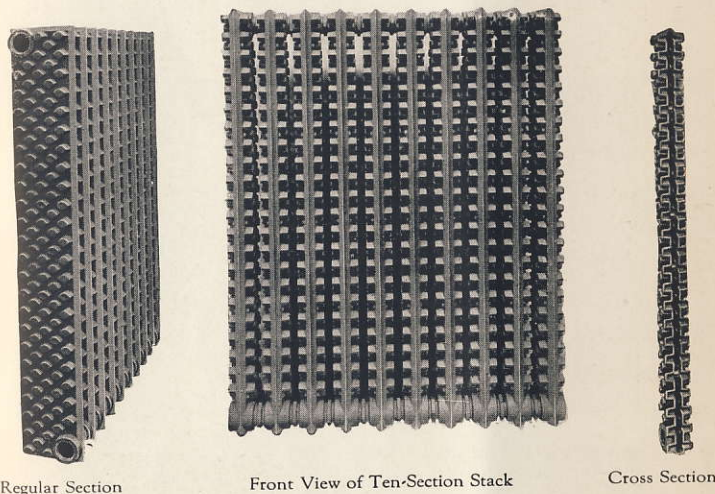
And the sections do not corrode or rust by the action of steam, water or air, but serve efficiently throughout the life of the building in which they are installed. In durability, as in efficiency, Vento Cast Iron Heaters are the best investment for property owners.

Complete physical and technical data is contained in booklet entitled, "Engineers' Data on Vento Heaters."

AMERICAN RADIATORS

VENTO HEATERS—CAST IRON

FOR FAN OR BLOWER WORK



Regular Section

Front View of Ten-Section Stack

Cross Section

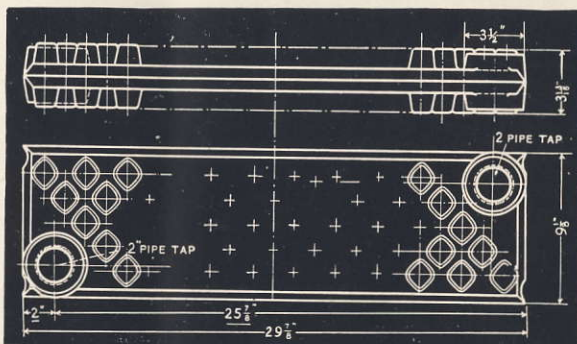
Sections are easily handled and transported and may be carried through doors or windows of any building, and can then be assembled in compact, complete heaters. The equivalent pipe coil stacks are cumbersome and difficult to handle and transport.

All details given in special catalogs.

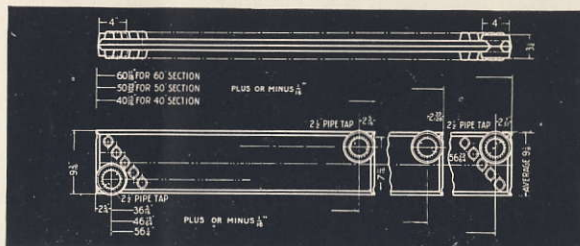
AMERICAN RADIATORS

VENTO HEATERS MEASUREMENTS

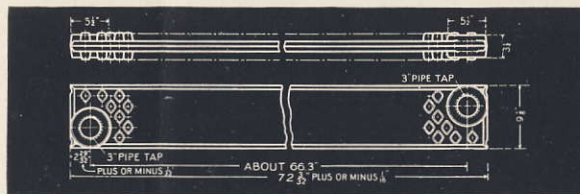
Regular Sections	Square Feet per Section	Height	Width
30 inch	8.0	30	9 $\frac{1}{8}$
40 inch	10.75	41 $\frac{1}{64}$	9 $\frac{1}{8}$
50 inch	13.5	50 $\frac{29}{32}$	9 $\frac{1}{8}$
60 inch	16.0	60 $\frac{1}{16}$	9 $\frac{1}{8}$
72 inch	19.0	72	9 $\frac{1}{8}$



30-Inch Vento Section



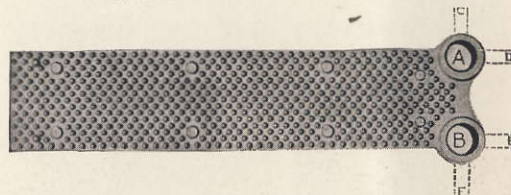
40, 50 and 60-Inch Vento Sections



72-Inch Vento Section

AMERICAN RADIATORS

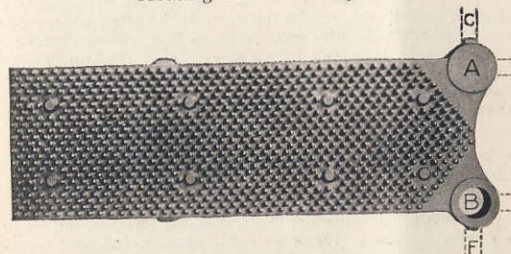
PERFECTION PIN FOR STEAM AND WATER Heating Surface 10 Sq. Ft. THREADED NIPPLE CONNECTIONS



"Standard" Size, Water End Section

MEASUREMENTS: Length overall (including nipple hubs), 36 $\frac{1}{4}$ inches. Height overall (at nipple hubs), 9 $\frac{15}{16}$ inches; section only, 7 $\frac{1}{2}$ inches. Thickness of section (at nipple hubs), 1 $\frac{5}{16}$ inches; slab only, 1 $\frac{3}{8}$ inches; including pins, 2 $\frac{5}{16}$ inches. Center to center distance in stack, 2 $\frac{3}{4}$ inches. On *Special Order*, we can supply nipples to make center to center distances of 3, 3 $\frac{1}{4}$, 3 $\frac{1}{2}$ or 3 $\frac{3}{4}$ inches.

Heating Surface 15 Sq. Ft.



"Extra Large" Size, Steam End Section

MEASUREMENTS: Length overall (including nipple hubs), 36 $\frac{1}{4}$ inches. Height overall (at nipple hubs), 14 inches. Height of section only, 11 $\frac{1}{2}$ inches. Thickness of section (at nipple hubs), 2 $\frac{1}{16}$ inches; slab only, 1 $\frac{3}{8}$ inches; including pins, 2 $\frac{5}{16}$ inches. Center to center distance in stack, 2 $\frac{7}{8}$ inches. On *Special Order*, we can supply nipples to make center to center distances of 3 $\frac{1}{8}$, 3 $\frac{3}{8}$, 3 $\frac{5}{8}$ or 3 $\frac{7}{8}$ inches.

BOTH SIZES

CONSTRUCTION: Both "Standard" and "Extra-Large" sections are made in distinctive patterns for Steam and Water. The Steam patterns have one connection or passageway for Steam—the Water patterns have two connections or waterways.

TAPPINGS: 2 inches right-hand on one side, left-hand on other side. Unless otherwise ordered the inside tappings in bushings will be right-hand. *Air Valve Tap*— $\frac{3}{8}$ -inch.

SPECIAL TAPPINGS: If other than regular tappings ("A" and "B" for water and "B" only for steam) are desired, we can furnish on the Standard size section special tappings 1 $\frac{1}{4}$ inches or smaller, at "C," "E," "D," and "E," and for steam section 2 inches or smaller at "A," "D," and "E," and at "A" on the steam section.

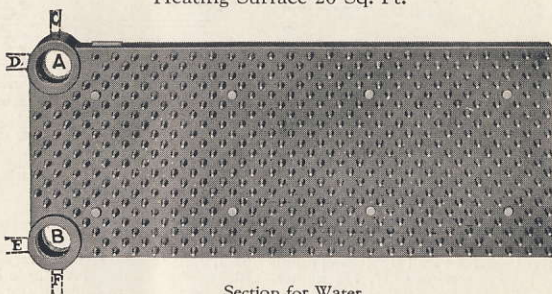
CONNECTIONS: Extra-heavy 2-inch right and left threaded nipples with hexagon nut in center. SHIPMENTS: Water sections separate unless ordered assembled in stacks of 5 or 6 sections; Steam sections cannot be safely shipped assembled and are therefore shipped knocked down. Sufficient nipples are shipped to assemble.

AMERICAN RADIATORS

SANITARY SCHOOL PIN

FOR STEAM AND WATER

Heating Surface 20 Sq. Ft.



Section for Water

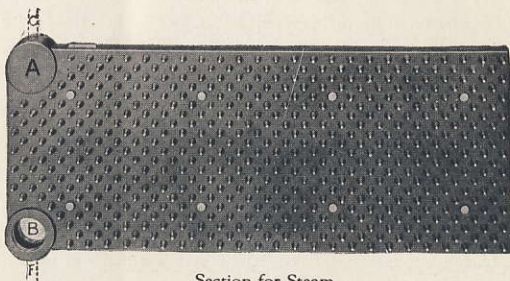
CONSTRUCTION: These sections are made in distinctive patterns for Steam and Water. The Steam patterns have one connection or passageway for steam. The Water pattern has two connections or waterways.

MEASUREMENTS: Length overall with regular tappings, $36\frac{1}{4}$ inches; when tapped at "D" or "E," $36\frac{3}{8}$ inches. Height overall with regular tappings, $15\frac{1}{4}$ inches; when tapped at "C" or "F," $15\frac{1}{2}$ inches; slab only, $13\frac{3}{4}$ inches. Thickness of section (through nipple hubs), $2\frac{3}{8}$ inches; slab only, $1\frac{1}{2}$ inches; including pins, $3\frac{7}{16}$ inches. Center to center distances in stack, 4 inches. On *Special Order*, we can supply nipples to make center to center distances of $3\frac{3}{4}$, $4\frac{1}{4}$ or $4\frac{1}{2}$ inches.

TAPPINGS: 2 inches, right-hand on supply end; left-hand on return end. Unless otherwise ordered the inside tappings of bushings will be right-hand. *Air Valve Tap*— $\frac{3}{8}$ inch.

CONNECTIONS: Extra-heavy 2-inch right and left threaded nipples with hexagon nut at center.

SHIPMENTS: Steam sections always separate; Water sections separate, but when so specified Water sections can be shipped in five or six section stacks. Sufficient nipples are sent to assemble.

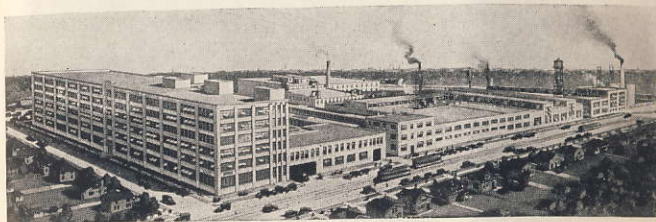


Section for Steam

NOTE, Special Tappings: If other than regular tappings ("A" and "B" on water section and "B" only on steam section) are desired, we can furnish special tappings 2 inches or smaller at "C," "D," "E," and "F," and also at "A" on the steam section.

AMERICAN RADIATORS

IDEAL-ARCO ACCESSORIES



Detroit Lubricator Plant of the American Radiator Company where IDEAL-ARCO Accessories are made

In the COMPLETE line of Ideal-Arco Accessories offered for American Radiator Heating Systems are included:

RADIATOR VALVES

Packed and Packless types for Hot Water, Steam, Vacuum and Vapor Systems—in angle, corner, globe, and gate patterns. Screwed and sweat connections.

AIR, VACUUM AND VENT VALVES

For one-pipe Steam and Vacuum Systems in both non-adjustable and adjustable orifice types.

REGULATORS

For damper control of Steam or Water boilers—for individual radiator control on two-pipe Steam Systems—for control on oil burner, gas, mechanical stoker or hand fired systems.

CIRCULATORS AND PRESSURE CONTROLS

For forced circulation Hot Water Systems.

DOMESTIC WATER HEATERS

Direct and indirect—for Steam, Water and Warm Air installations.

WATER LEVEL CONTROLS

For automatic Steam Systems.

BOILER FEEDERS AND LOW WATER CUT OFFS.

BOILER VACUUM CLEANERS. BOILER WATER CLEANER.

SEND FOR SPECIAL CIRCULARS ON ENTIRE LINE.