

Radiation (Concealed Gravity Type)

Heintz Manufacturing Company

Front Street and Olney Avenue

Philadelphia, Pa.

MANUFACTURERS OF CABINET AND CONCEALED RADIATORS

The Heintz Radiator Unit is built of tubing, fins and headers.

No part of the core is less than $\frac{1}{8}$ in. thick. The end headers are drop forgings having integral ferrules.

The core is welded together by means of the recently developed "atomic hydrogen" process which gives the most homogeneous and ductile weld so far produced.

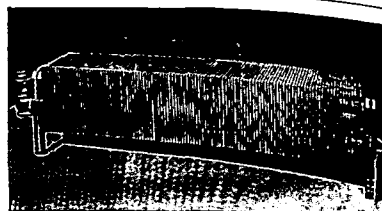
The fins are applied by hydraulic pressure and the whole unit is then hot galvanized inside and out.

The Heintz Radiators, while much lighter than cast iron radiators, are very sturdy, and with ordinary care, the danger of becoming damaged during installation is remote.

The tappings at the ends are $1\frac{1}{2}$ in., permitting them to be connected exactly the same as is customary with cast iron.

No trick piping is required.

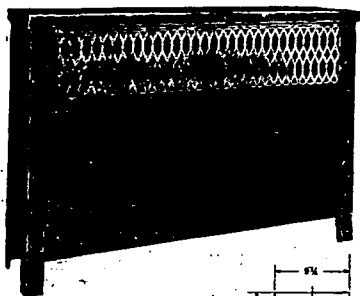
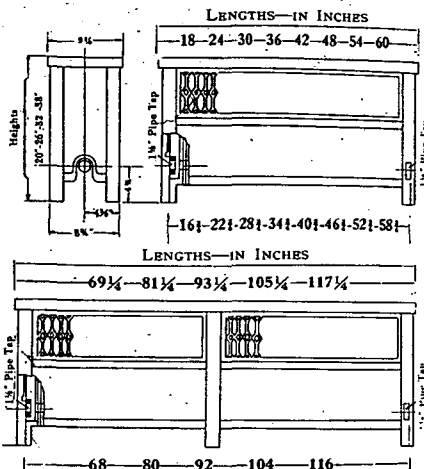
Every radiator is tested for leaks before shipment.



The Heintz Radiator Unit for Vapor, Steam or Water

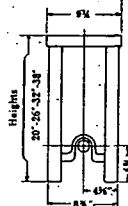
The ratings of radiators shown are conservative condensation ratings. It is deemed advisable to continue to rate Heintz Radiators on this basis until such time as an acceptable method of testing and rating has been determined upon which will include heating effect.

Roughing-in Diagram of Standard Cabinet Radiator



Standard Cabinet Radiator

Drawing at right shows roughing-in dimensions of the Double Cabinet Radiator



Ratings in Sq. Ft. for Standard Radiators

Lengths	Heights			
	20"	26"	32"	38"
18"	16 3/4	18 3/4	20 3/4	22
24"	22 3/4	26 3/4	29 3/4	31 3/4
30"	29	34 1/2	38	41 1/2
36"	35 1/4	42	46 3/4	51 1/4
42"	41 1/4	49 3/4	55 1/2	61
48"	47 1/2	55 1/2	64 1/2	70 1/2
54"	53 3/4	62	73 1/4	80 1/4
60"	59 3/4	73	82 1/4	90

Ratings in sq. ft. for Double Cabinet Radiators

Lengths	Heights			
	20"	26"	32"	38"
69 1/2"	70 1/2	84	93 1/2	102 1/2
81 1/2"	82 1/2	99 1/2	111	122
93 1/2"	95	115	129	141
105 1/2"	107 1/2	130	146 1/2	160 1/2
117 1/2"	119 1/2	146	164 1/2	180

Cabinet Radiators 4 in. deep are also available, using the 3 1/4 in. unit. The heights and lengths are the same as the Standard Cabinet Radiator.

Radiation (Concealed Gravity Type)

International Radiator Corp.

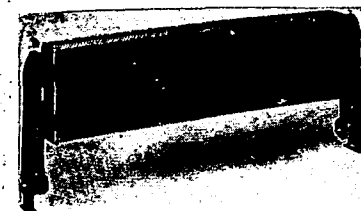
Port Chester, N. Y.

Concealed Radiators, Cabinet Radiators and Wall Radiators of the Finned Type



International Radiators are convector type concealed radiators made of durable materials. They occupy far less space than ordinary heating equipment, cost less to install and give efficient results with hot water, steam, vacuum and vapor systems.

CONSTRUCTION:—International Radiators have only three parts—malleable headers, copper tubes and iron fins. Fins are stamped channel shaped from .025-in. rust-resisting sheet iron. They are forced, under high pressure, over pure seamless heavy gauge copper tubes.



Two-pipe Steam or Hot Water International Radiator

The copper tubes are then welded into malleable iron headers. Malleable iron is used because its high tensile strength prevents breakage.

After the tubes have been welded in, each end of the radiator is hot galvanized inside and out. Galvanizing prevents rust and keeps the inside of the radiators clean.

DESIGN:—International Radiators emphasize the practicability of clean cut design. Tubes have been shaped to present minimum air friction and still have a large internal volume. The internal volume of the 3-in. radiator is 20 per cent greater than a 1 1/2-in. pipe, and the volume of the 5 and 7-in. radiator is greater than a 2 1/2-in. pipe. Resistance to flow of water in these radiators is minimum.

Fins are 8-in. high, so that air is in contact with the fins through a greater time interval and consequently can absorb more heat, making these radiators especially effective on hot water installations.

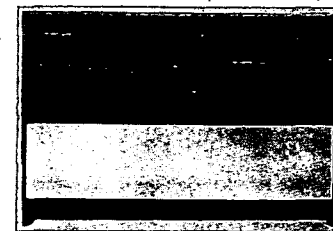
TYPES:—International Radiators are made in 3, 5 and 7-in. depths; and in 8 lengths, from 18 to 60 in., by 6-in. intervals. They are made in two types; leg and wall-

hung. Wall radiators are furnished with brackets.

Two-pipe radiators can be used on vapor, vacuum, gravity steam and hot water. One-pipe radiators can be used on one-pipe pressure or vapor vacuum systems.

INSTALLATION:—All connections are equally distant from floor level and International Radiators are reversible, making roughing-in and installation easy and simple. Pipe connections are always on center of the radiator and the supply can be installed at either end. Wall radiators have top and bottom connections, which puts the valve high enough for convenience.

ENCLOSURES:—The International Radiator Corporation carry in stock three standard types of enclosures, the Recess Enclosure, Free Standing Cabinet and the Wall Cabinet. The Recess Enclosure is telescopic, the adjustment range being from 20 to 30 in. in height. This is a novel and very important feature, as it simplifies ordering, handling and installation. Recess Enclosures are complete with a bar type outlet grille and damper, and a removable plate at the bottom for accessibility to radiator valve and trap when necessary.



Enclosure for International Concealed Radiator

GUARANTEE:—Every product bearing the "International" name is guaranteed to be free from defects in material and workmanship, and radiators found to be defective will be replaced f.o.b. factory.

SPECIFICATIONS AND LITERATURE:—Write for Catalog 30-G containing specifications, ratings, installation and other useful engineering data.