

Chase Brass & Copper Co.

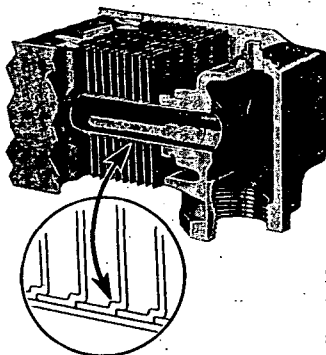
INCORPORATED

Heating Products Division

Waterbury

Connecticut

For data on Chase Copper Tube and Sweat Fittings
for Heating Lines see pages 696-697



Chase Copper Radiators

The one type can be used for Hot Water, One and Two Pipe Steam, and Vapor Vacuum Heating Systems

CONSTRUCTION—Copper, the best commercially practicable material from a heat transfer standpoint, is used for both the tube and fins. The tubes are firmly secured to the headers by compression nuts, a universally accepted method of making a permanent bond not affected by strain or stress. The fins when they contact the tubes, have a flange or lip, which acts as a definite spacer for the fins. Part of the lips are lapped over and under each other to prevent slipping and insure a tighter bond on the tube. Fins are corrugated to provide greater area for a given depth of unit and to increase strength and rigidity.

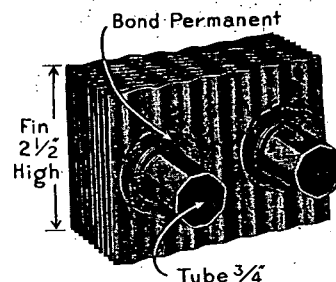
TUBE SIZE—On the Chase copper radiator the supply tubes are $\frac{3}{4}$ in. diameter. This is an important advantage as it assures a more satisfactory operation. For example, when used with hot water it permits freer circulation. On one pipe steam installations there is enough room for condensation return.

ADVANTAGES—Here are four advantages of the Chase Radiator. 1. The use of copper and brass materials with high heat conductivity and long life. 2. Adequate and permanent bond between fin and tube and between tube and header. 3. Sufficient steam on water-way to meet all conditions of service. 4. High heat output with respect to space required and to weight.

Complete catalog filed in
Sweet's Architectural Catalog



The copper to copper bond is accomplished by a patented process of tube expansion. No solder is used



Over Fifty
Years
In Business

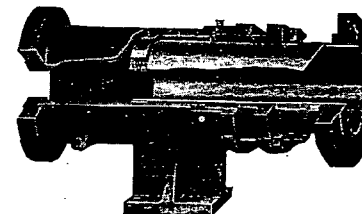
AMERICAN DISTRICT STEAM COMPANY

GENERAL OFFICES AND WORKS
NORTH TONAWANDA, N.Y.

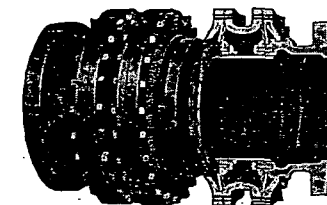
Branches and
Agents in
Principal Cities

STEAM DISTRIBUTION EQUIPMENT

ADSCO EXPANSION JOINTS



Internally Guided Slip Type

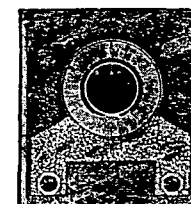


Packless Variator

ADSCO Expansion Joints, whether packless or slip tube type, are available in a complete line of types and sizes; for all pressure to 400 pounds and temperatures to 750°F. Slip tube types range from the simple semi-guided joint to the completely guided type with all bearing surfaces of bronze and no possible metal to metal contact between any part of the joint and the sliding surface of the slip, a feature obtainable only in ADSCO joints, and one of the reasons leading architects and engineers specify them.

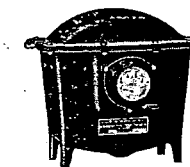
ADSCO Packless Expansion Joints (Variators) utilize a flexible stainless steel diaphragm to control expansion and contraction. Movement is controlled both ways. There are no strains on the flexible members because all stresses are transmitted to the joint body by backing plates—a most unique and successful method as proved by the hundreds installed more than 25 years ago, with no maintenance since installation. Engineers are constantly giving them their stamp of approval for use where accessibility is practically impossible when the job is completed.

ADSCO UNDERGROUND CASING CONDUIT



ADSCO Red Diamond Brand Casing—an ideal underground steam or hot water line conduit since it is both conduit and insulation—is real economy for a college or institution distribution system. Doing service after 38 years is conclusive evidence. More than 90 per cent efficient. Furnished in split form for two or more pipes, if desired. Lays quickly because of 5 to 8 ft. lengths. Trench may be backfilled immediately. Does not expand or contract longitudinally, assuring permanent water-proof construction.

ADSCO ROTARY CONDENSATION METER



For measuring the steam condensation of a heating system or heating equipment. Commercial distributors of steam use them as a basis of charge for steam sold—institutional groups for steam cost distribution—and industrial firms for steam consumed in process work. Accurate within 1 per cent of absolute. Dependable. Compact. Reads directly in pounds of condensed steam. Furnished with cast-iron or aluminum body and cover in seven sizes: 250, 500, 750, 1500, 3000, 6000 and 12,000 pounds capacity per hour.