

STEAM HEATING AND PROCESS SPECIALTIES

Radiator Valves—Choice of spring retained packing, Type BW-P or Sylphon Bellows Packless Series 600-S. $\frac{1}{2}$ in., $\frac{3}{4}$ in., 1 in., $1\frac{1}{2}$ in. sizes. In angle, right and left hand; straightway, with single or double union. Spring retained packing. For low pressure vapor and vacuum steam heating service.

Double Service Valve— $\frac{3}{4}$ in. and 1 in. sizes. Incorporates Webster Thermostatic Trap and Webster Radiator Supply Valve in a single compact unit. Drips down-feed riser and serves as supply valve to radiator or convector. Saves six fittings and installation work.

Thermostatic Traps—Series "7" (diaphragm type) and Series "5" (bellows type) for radiators and drips. $\frac{1}{2}$ in., $\frac{3}{4}$ in. and 1 in. sizes. There are six body models for the $\frac{1}{2}$ in. size alone. Maximum pressure, 25 lbs. per sq. in. For low pressure vapor and vacuum steam heating service. Series "78" for process. $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{3}{4}$ in. and 1 in. sizes. Class 2 for pressures of 60 to 150 lbs. Used to discharge air and water from heating coils of any apparatus using steam at process pressures.

Heavy Duty or Drip Traps—Series "26" Float-and-Thermostatic for heating and air conditioning. Most used sizes: 00026, 0026, 026. Pressures up to 15 lbs per sq. in. Made for the pressure and capacity conditions encountered at all drip points. Series "79" Float-and-Thermostatic for process. For pressures up to 150 lbs per sq. in. For use where large volumes of hot condensate must be handled more quickly than is possible by

thermostatic traps alone.

Dirt Strainers— $\frac{1}{2}$ in. to 6 in. sizes. Maximum working pressure 150 lbs per sq. in. Placed ahead of traps in return lines of steam-using equipment and steam heating systems to catch dirt and other particles, preventing them from impairing the tightness of the traps.

Boiler Protectors—One size, with $\frac{3}{4}$ in. connections with or without electrical cut-out switch. Maximum pressure 15 lbs per sq. in. Maximum cold water main pressure, 150 lbs per sq. in., minimum not less than 25 lbs per sq. in. Prevents breakage in low pressure heating boilers when the water level becomes inadequate.

Vacuum Pump Governors—In sizes $\frac{3}{4}$ in. to 3 in. Standard valve furnished for pressures up to 150 lbs per sq. in. Special valve available for higher pressures. Govern flow of steam to steam-driven vacuum pumps.

Suction Strainers—Maximum working pressures 15 lbs per sq. in. Installed ahead of vacuum pump to prevent dirt from damaging pump.

Vacuum Breakers—Sizes $\frac{3}{4}$ in., 1 in. and $1\frac{1}{2}$ in. adjustable on job. Size $\frac{1}{8}$ in. for radiators is factory adjusted. For automatic breaking of vacuum at predetermined setting in heating systems, feed water heaters, hot water generators, industrial pressure chambers, etc.

Expansion Joints—Crosshead or internally guided. In single slip and double slip models in most widely used pipe sizes. For pressures up to 200 lbs per sq. in. For steam, hot water, hot oil, hot gas, and condensate return lines.

RADIATION AND HEATING SURFACE

Webster System Radiation—Non-ferrous convector radiation. Each Webster System Radiator includes a complete enclosure of furniture steel with baked prime coat. Contained within the enclosure is a prefabricated unit, combining heating surface, valve, trap and union connections, shipped ready to connect to supply and return piping.

Webster System Radiation was first offered in 1932. From its introduction until withdrawal from the market because of war conditions, more than 1,000 installations were made.

Now, available in an improved design, using the same basic material, copper tubing and aluminum fins. Increased rigidity of

the tubing and the development of a new method of manufacturing has produced a fin surface of unusual rigidity, free of expansion and contraction noises.

Webster Type WI Extended Surface Radiation—Covered by patents and patents pending. Completely non-ferrous, being made up of $1\frac{1}{2}$ in. outside diameter .035 in. thick specially annealed copper tubing with rib-reinforced, square pressed aluminum fins and brass female couplings with 1 in. i.p.s. tapping. Available in five lengths from 2 to 6 ft inclusive. Can be used to advantage in many buildings with steam or hot water heating, particularly where floor space or vertical wall space is limited.

WEBSTER-NESBITT UNIT HEATERS

Are manufactured by John J. Nesbitt, Inc., Philadelphia 36, Pa., and are distributed solely through Warren Webster & Company, Camden, New Jersey. Designed to circulate large volumes of air at comparatively low temperatures, assuring quick heating.

Ratings of Webster-Nesbitt Unit Heaters are based on tests made in accordance with standard test code of Industrial Unit Heater Association and A.S.H.V.E.

PROPELLER FAN UNIT HEATERS

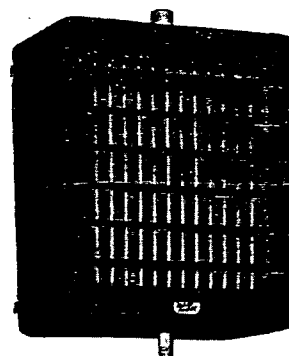


Fig. 11. Standard Propeller-Fan Type

Designed to incorporate four characteristics proved by wide experience to be essential to both proper application and satisfactory performance:

1.) **Selective range of sizes.** Manufactured in nine sizes. Heating capacities vary from 34,700 to 338,000 Btu per hour. Air deliveries from 470 to 4800 cfm.

2.) **Quiet Operation.** All fans have blades of exceptionally large areas and of a shape to impart a gradual acceleration to the air stream. Ample spacing is maintained between the fan and heating element. Motors are of sleeve bearing type and equipped with isolators.

3.) **Durable lightweight Heating Elements.** Extended fin-and-tube type, constructed of copper condensing tubes and plate-type aluminum fins.

4.) **Modern Casing Design.** Compact suspended type. Catalog W-N 126.

GIANT UNIT HEATERS

Sturdy blower-fan units for the economical heating of large areas.

Standard (Non-Thermostat) Type. Used principally where heating is by recirculation only, and where constant heat output is desired during period of operation.

Thermostat Type. Employs dampers in front of casing and over face of heating element to provide mixing of unheated and heated air, producing heat output in accordance with requirements and continuous circulation of air volume.

Valve Controlled Type. Unit is of standard casing arrangement but equipped with Nesbitt Heating Surface with Steam-distributing Tubes which allows for automatic control of heat output.

Floor mounted, wall mounted, ceiling suspended, from 101,000 Btu, 3250 cfm, to 930,000 Btu, 15,200 cfm. Write for details. Catalog W-N 128.



Fig. 12. Blower-Fan Type

LITTLE GIANT UNIT HEATERS

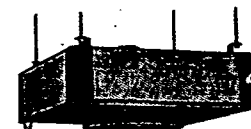


Fig. 13. "Little Giant" Down Blow Type

New, light compact draw-through high velocity down-blow unit heaters. 122,000 Btu, 2370 cfm to 505,000 Btu, 10,080 cfm at basic rating of 2 lb steam and 60 deg entering air.

Down Blow Type. Generally used when the presence of cranes and other machinery requires that the unit and piping be located well above the floor level. Write for details. Catalog W-N 127.