Table 1. Recommended Ratings in Sq Ft E. D. R.*

The ratings below are conservative and not full-flooded capacities. Applications requiring use of higher ratings should be referred to the Company or its Representatives. When writing give full details of proposed use. Select trap by rating, not by pipe size.

Symbol	Size	Pressure Difference Across Trap in Lb per Sq In.					
		1	1½	2	5	10	15
702	1"	165	200	235	370	530	640
713	¾"	330	400	465	730	1050	1300
724	1"	580	700	810	1280	1840	2300

*Based on 240 Btu per sq ft per hour.

FLOAT-AND-THERMOSTATIC TRAPS

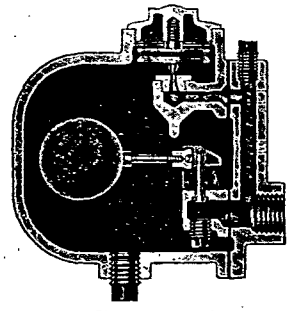


Fig. 5. Webster Size 00026-T Drip Trap has rated capacity of 200 lb Water per Hour at 2 lb Pressure Difference

Series "26"—A heavy duty trap for drips of mains, blast radiation, unit heaters, hot water generators and similar applications. A rugged float-type trap available with and without thermostatic air vent. Made in five sizes: 200, 500, 1200, 2400 and 5000 lb water per hour at 2 lb pressure difference. Maximum working pressure is 15 lb per sq in.

PROCESS STEAM TRAPS

Series "78"—thermostatic trap *built for* process steam pressures (10 to 150 lb per sq in.). Monel Metal diaphragm. Stainless Steel valve piece and seat insert. Angle model only. Sizes: ⅜, ½, ¾ and 1 in. Extensively used with laundry, cooking, sterilizing and other process-steam uses.

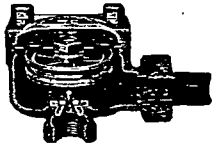


Fig. 6. Webster Size 782 Trap

Series "79"—For use where large volumes of very hot condensate form more quickly than can be discharged by thermostatic traps alone. Float and thermostatic traps designed for normal working pressures between 15 and 150 lb per sq in. Water of condensation is passed through a float-controlled seat opening while air is discharged into the return piping by a thermostatically controlled vent. Compact and light in weight. Can be readily mounted in a pipe line without other support. Available with 1 in. inlet and outlet. Readily bushed for smaller pipe sizes.

Cast iron body, composition gasket and cover bolted together with steel cap screws. Monel Metal valve piece and stem. Stainless-steel seat. Air vent unit is Monel Metal diaphragm with Stainless Steel valve piece and brass seat with Stainless Steel insert.

DIRT STRAINERS AND POCKETS

Placed in return lines of steam heating systems to prevent dirt, rust and scale from impairing tightness of traps.

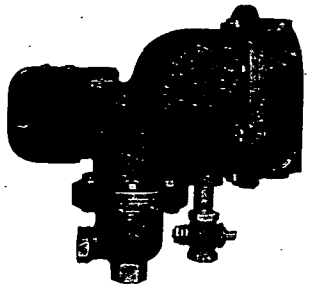


Fig. 7. Size 34C-1 Webster Boiler Protector with Low Water Electrical Cut-out Switch. Size 34 has no Cut-out Switch

BOILER PROTECTOR

Prevents breakage in low pressure heating boilers when water level becomes inadequate. Automatically supplies raw water to boiler when water level drops to 1 in. above bottom of gage glass.

For maximum boiler pressure of 15 lb per sq in. Maximum cold water main pressure should not exceed 150 lb per sq in.; minimum must not be less than 25 lb per sq in.

Made with ¾ in. connections, with or without electrical cut-out switch.

WEBSTER-NESBITT UNIT HEATERS

Are manufactured by John J. Nesbitt, Inc., Holmesburg, 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

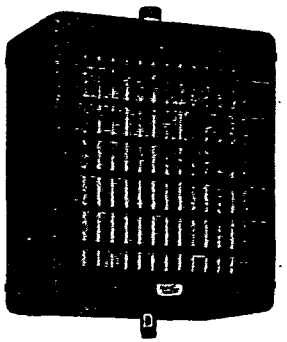


Fig. 11. Standard Propeller-Fan Type

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

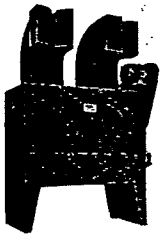


Fig. 13 Blower-Fan Type

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

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

Thermadjust 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.

LITTLE GIANT UNIT HEATERS

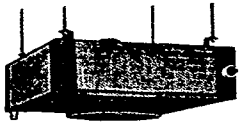


Fig. 15. "Little Giant" Down Blow Type

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.