



ARMSTRONG MACHINE WORKS

851 Maple St., Three Rivers, Mich.

GUARANTEED: SATISFACTION OR YOUR MONEY BACK

Traps Available from Local Stocks of 45 Factory Representatives
135 Jobbers, or Through the Supplier of Your Choice,
or Direct from Factory

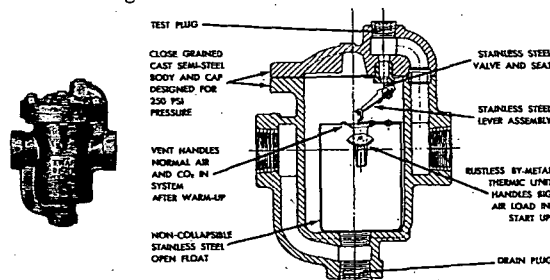
Open Float and Thermostatic Traps for Low Pressure Heating Service

Armstrong O. F. & T. traps answer the specific needs of low-pressure intermittent service where large amounts of air accumulate when the steam is off—especially good for unit heaters, pipe coils and standing radiation.

Design is open-float, single valve, with bi-metal controlled air vent. Conventional float and thermostatic connections— $\frac{1}{4}$ in. to 2 in.

Mechanisms are of the same design, materials and workmanship as those used in Armstrong forged steel inverted-bucket traps for high-pressure, high-temperature service. Bodies and caps are close-grained cast semi-steel, designed for pressures to 350 psig.

Further information in Bulletin No. 775.



FEATURES

1. **Low First Cost**—on the basis of actual capacity for discharging hot condensate. No. 880 ($\frac{1}{4}$ in.) has a capacity of 640 lb/hr at 15 psi, lists at \$12. Other capacities to 6800 lb/hr.

2. **Easy Installation**—horizontal straight-through pipe connections minimize fittings and labor. Also, traps can be equipped with internal check valves.

3. **Long Life and Low Maintenance**—Armstrong O. F. & T. traps are non-air-binding and self-scrubbing. Working parts are corrosion-proof. Open-float is non-collapsible. Inadvertent admission of high pressure steam will not harm trap. Traps hydraulically tested at 500 psig.

4. **Automatic Air Elimination**—during warm-up, thermostatic vent is wide open to discharge large amounts of

air rapidly. Regular vent handles normal air and/or CO₂ in system after heat-up, venting it at steam temperature.

5. **Fast Condensate Removal**—condensate is discharged at steam temperature—as fast as it enters trap. No cooling lag needed.

6. **No Steam Loss**—valve parts are always water sealed, and cannot be nicked by dirt or scale. Excellent for vacuum service.

Y-TYPE STRAINERS

Semi-steel: screwed, $\frac{1}{4}$ in.-2 in.; flanged, 2 in.-6 in.

Carbon steel: screwed or socket weld, $\frac{1}{4}$ in.-3 in.; flanged, 2 $\frac{1}{4}$ in.-6 in.

Chrome moly: screwed or socket weld, $\frac{1}{4}$ in.-2 in.

Bronze: screwed or silbras, $\frac{1}{4}$ in.-2 in. Type 316 stainless: screwed or socket weld, $\frac{1}{4}$ in.-2 in.



Y-Type Strainer Air Relief Trap

AIR RELIEF TRAPS

Ball-float traps for venting air from high points in hot-water systems. Corrosion-proof stainless-steel mechanisms. Smallest size is No. 21 (shown above)— $\frac{1}{4}$ in. or $\frac{1}{2}$ in. connections, 6 $\frac{1}{2}$ -in. diameter, capacity of 10 cfm at 30 psi, list price \$16.00. No. 21G, same capacity as 21 but fits between studs.

ARMSTRONG INVERTED-BUCKET STEAM TRAPS



Side Inlet, Bottom Outlet

Side Inlet, Top Outlet

Side Inlet, Bottom Outlet

Integral Strainer

For draining steam mains and all types of institutional and industrial steam-heated equipment—including hot water heaters, and kitchen, hospital and laundry equipment. High capacity for size due to time-tested two-phase lever-age system. Sizes for every capacity need. Cast semi-steel models may be used for pressures to 250 psi. Forged steel models available for higher pressures.

Features: basically the same as those outlined above for O. F. & T. traps except for the extra large air-handling capacity—air is discharged through the bucket vent.

Choice of body styles and built-in accessories minimize fittings and installation labor. Each type available with thermic vent for handling faster heat-up and/or internal check valves. Integral strainer traps are available which cost

Type	Connections in.	Max. Cap. (lb/hr)
Side Inlet-Side Outlet	$\frac{1}{4}$ to 1 $\frac{1}{2}$	7500
Bottom Inlet-Top Outlet	$\frac{1}{4}$ to 2	19000
Side Inlet-Bottom Outlet	$\frac{1}{4}$ or $\frac{1}{2}$	570
Integral Strainer	$\frac{1}{4}$ to 1 $\frac{1}{2}$	3500

Other Armstrong traps available with capacities up to 300,000 lb/hr.

Complete details in Catalog K.

MUELLER STEAM SPECIALTY CO., INC.

29 Meserole Avenue, Brooklyn 22, New York



STRAINERS FOR ALL SERVICES

251 SELF CLEANING "Y" TYPE

$\frac{1}{4}$ in. through 3 in. Cast Iron, Cast Steel, Bronze and Aluminum. Pressures up to 600 lb steam.



No. 251

751 FLANGED SELF CLEANING "Y" TYPE

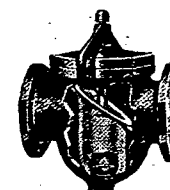
Sizes 1- $\frac{1}{4}$ in. through 16 in. Larger sizes available on application. Available in Cast Iron, Cast Steel, Stainless Steel and Bronze. Pressures up to 600 lb steam.



No. 751

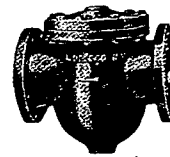
155 and 165 BASKET TYPE

Basket-Type Strainers available with screwed or flanged ends, in Cast Steel, Cast Iron, Stainless Steel and Bronze. Furnished with closed or open bottom baskets.



No. 155

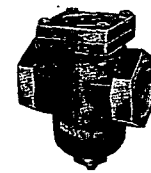
Baskets lined with mesh are available where very fine screening is required. Drain plug at bottom of strainer easily removed for blowdown of accumulated sediment.



No. 165

145 BASKET TYPE

Sizes $\frac{1}{4}$ in. through 3 in. Iron Body and Bronze Body screwed end removable Basket-Type Strainers.



No. 175

Screens and Baskets made from a variety of perforated metals and wire mesh available for all types of strainers.

Cast Carbon Steel and Stainless Steel Basket Strainers are available for gasoline and jet fueling applications... In full accordance with U.S. Government Specifications.

Every Mueller Strainer is individually tested and fully guaranteed

PRESSURE DROP CHARTS ON MUELLER STRAINERS AND 1959 CATALOG ARE AVAILABLE ON REQUEST.