

• This No. 110 Stickle Steam Trap weighs only 4½ pounds. It has a capacity of 800 lbs. per hour. Three larger sizes, making four traps in Stickle 100 Series, supply a capacity range up to 2,000 lbs. per hour. Supply exceptionally desirable drainage for unit heaters, laundry equipment, jacketed kettles and other smaller size processing equipment operating at medium and high pressures. No complicated internal mechanism to get out of order—Stickle Open Float design and ease of simplicity in construction and positive operation. Internal strainer keeps dirt particles from reaching valve. Trap bypassed by quarter turn of rod at top. Easily removable without taking trap from line. Designed for economical straight-in-line installation. In every way a more efficient steam trap. Ask for Bulletin No. 110.



• Stickle AC Series Traps built for working pressures up to 250 lbs. (450 lbs. if made of steel). Capacities approximately four times that of standard traps of comparable size. Larger sizes supply capacity range of 2,000 to 21,000 lbs. an hour. Ask for Bulletin No. 215.

All of these Advantages in Steam Traps for YOUR Operating Conditions



1. **DEPENDABLE SERVICE**—Stickle obviates most "steam trap troubles" with the natural Stickle Open Float Principle, and stark simplicity of construction. Location of valve in top of trap prevents scale and dirt obstruction.
2. **POSITIVE OPERATION**—Filled open float releases valve for trap discharge. Emptied open float regains buoyancy and closes valve. Both actions instantaneous—positive—frictionless. No steam blown at end of discharge—perfect water seal at all times. Air and gases eliminated with each discharge.
3. **FREEDOM FROM REPAIRS**—Absence of hinges, levers, pins—all unnecessary mechanical parts—leaves few things to repair or replace. Chromium valve and seat, always in perfect fit through constant regrind action of trap in operation, never stick.
4. **MAXIMUM CAPACITY WITH MINIMUM SIZE** — Large capacity of Stickle Traps in ratio to size affords installation convenience as well as installation economy. Each series, or design, of Stickle Traps built to meet specific conditions and give best results and most efficient performance under operating requirements.

• Stickle Series 80 Pop Valve Trap built especially to meet the special drainage requirements of evaporizers, cookers and other processing equipment operating at high pressure, over 100 lbs., and of considerable size. Ask for Bulletin No. 111. • Stickle Series T Traps for low pressure, and for vacuum service, described in Bulletin No. 414.

STICKLE STEAM SPECIALTIES COMPANY
2265 Valley Avenue, INDIANAPOLIS 18, INDIANA

Successfully Serving for More than 40 Years Paper Mills, Food Processors, Textile and Hosiery Mills, Laundries and Other Manufacturers Using Steam for Industrial Processing

STICKLE EQUIPMENT

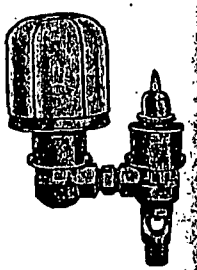
STICKLE DIFFERENTIAL AND BOILER RETURN SYSTEMS • STICKLE OPEN FLOAT STEAM TRAPS • STICKLE REGULATING AND REDUCING VALVES • STICKLE OPEN COIL FEED WATER HEATERS AND PURIFIERS • STICKLE OIL AND STEAM SEPARATORS STICKLE TEMPERATURE CONTROLLERS AND OTHER SPECIALTIES

provides a smooth nonobstructing flow to ventilating air, after it passes through openings in bearing brackets. These brackets are specially machined and finished to prevent building up of lint.

Motor is available in 3, 5, 7½, 10 and 15 hp sizes. Allis-Chalmers Co, Milwaukee, Wis.

Plug Valve E325

CORROSION-RESISTANT all-bronze plug valve is designed primarily for breweries and process industries. Valve has no restriction to flow when open, no turbulence, and is self-cleaning and easy to operate. It can be furnished with flanged or threaded male or female connections or hose-coupling threads. The 2-in. size has pipe connections for flowmeter, gage, bypass cleaning and gas injector. The 3-in. size can be furnished 3-way or 2-way, as desired. It is made in sizes ¼ to 4 in. Ampco Metal Inc, Milwaukee 4, Wis.



Gravity Feed Oiler E326

UNIT ILLUSTRATED maintains an accurate constant level of oil in the gravity-feed mechanism. This feature assures an accurate rate of feed, regardless of amount of reserve oil in the bottle. Dirt cannot reach bearings or clog needle valve, as oil is thoroughly filtered through removable filter.

Oiler is mounted at top of the part to be lubricated, and any predetermined quantity of oil may be obtained in drop fashion by simple adjustment of needle valve. After desired adjustment is made, no further attention is required except to keep a reserve supply of oil in the large capacity bottle. Oiler is suitable for lubricating solid bearings where an accurate rate of feed as well as clean filtered oil is essential. Trico Fuse Mfg Co, 2948 S 5th St, Milwaukee, Wis.

Cation-Exchange Resin E327

AMBERLITE IR-105 synthetic resin cation-exchange material has (1) smooth spherical shape, (2) no odor, taste or color throw, (3) highly uniform particle size, (4) high density, (5) rugged physical properties, and (6) gives high exchange capacity at efficient regeneration levels. The resin is shipped in sodium form, but can easily be converted to hydrogen form

"High-Spots" ON THE HIGH-PRESSURE MAP

Nearly one thousand Worthington High Pressure Centrifugal Pumps, now in boiler feed service, are a testimonial to Worthington's continuous leadership in pump design and manufacture. A long list of pace-setting Worthington design-features have helped to advance feed pressures up to 2400 psi. For example, the Elastic Seal Ring, for tight interstage joints in axially split casings, and the Metal-to-Metal Ring Type Joint in solid-case pumps.

Worthington Centrifugal Pumps Meet the Demand for Steadily Rising Boiler Feed Pressures



Get the RIGHT Pump for the Job

Worthington builds Standard Centrifugal Pumps in all sizes, pressures and capacities. This most complete line offers you the widest choice . . . your one best bet for pumping-satisfaction. And you can count on Worthington engineers, backed by the longest and broadest experience in the field, for expert aid in any pumping problem. For the dependability, economy and long service-life that prove *there's more worth in Worthington*, come to Pump Headquarters. Call our nearest District Office, or write to *Worthington Pump and Machinery Corporation, Centrifugal Pump Division, Harrison, N. J.*

WORTHINGTON

