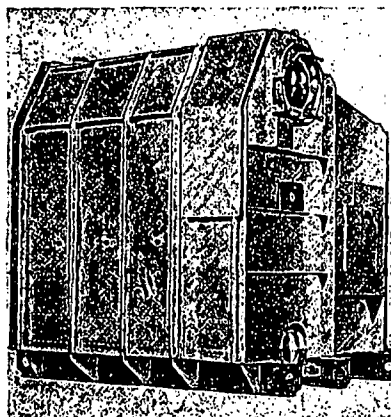


PLANT EQUIPMENT NEWS

Your information center for new products designed to solve plant problems

Published monthly as a service



Package-Type, Water-Tube Boilers Have Capacities to 30,000 lb per hr

839 • New standard line of package type water-tube boilers is designed to meet present day requirements for steam and high-temperature hot water. Capacities range from 7500 to 30,000 lbs of steam per hour (or equivalent water ratings) and in design pressures are 200, 300, 600 and 900 psig. All are 2-drum, bent-tube design featuring a water-cooled furnace with tangent water tubes completely shielding the full-length combustion chamber. Large water capacity allows for heavy peak and fluctuating loads.

Provision for superheat up to 200 F is available as auxiliary equipment.

Firing is by oil or gas or combination burners. Units are offered with or without complete burner and control assembly.

The gas-tight insulated steel jacket is suitable for outdoor or indoor installation. Normally, units are shipped assembled ready for use after making service connections. However, when necessitated by limited wall openings, sectional casing and standardized sectional parts permit field assembly with minimum amount of field work.

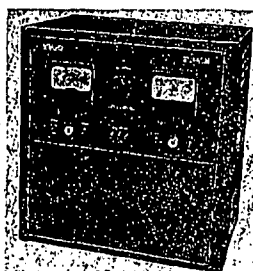
Completely assembled units can be moved from one location to another. Right frame base needs no special foundation.

Where boilers are used as forced-circulation units for high-pressure, high-temperature water systems, drums provide natural circulation and the furnace heat-absorbing tubes circulate pumps fail. Springfield Boiler Co., 1953 E. Ave., Springfield, Ill.

De Power Supply

312 • Model 700 high voltage supply is continuously variable from 0-350 v and delivers from 0-750 millamps. From 30-350 v the output voltage variation is less than 1% for both line fluctuations from 105-125 v and load variation from minimum to maximum current. The ripple voltage is less than 10 millivolts peak to peak. Cabinet height 22 1/4 in., width 21 1/4 in., depth 15 1/4 in. Kepen Laboratories, 131-38 Sanford Ave., Flushing, N. Y.

For more data on these items, use post card p. 161. Identify your request with item number.



READER SERVICE SECTION

Non-Slip Handwheel

348 • Patented non-slip handwheel valves features four finger-spaced high continuations of the spoke structure, projecting from the stem hub through a polygonal frame. Design permits a firm, comfortable grip on the handwheel even when wet or greasy hands. Shape eliminates possibility of burned hands from contact with valve stem.

Manufacturer claims the design permits ease of operation in closing valves, safety, longer service life and greater valve efficiency.

Lankenheimer Co., Cincinnati 14, O.

(Continued on page 156)

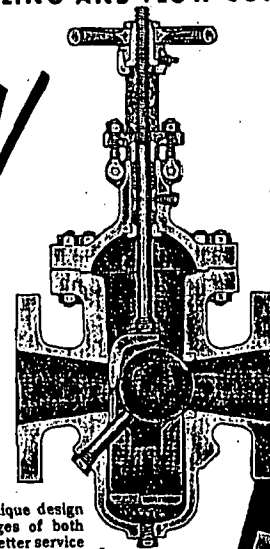
SEVERE THROTTLING AND FLOW CONTROL SERVICES . . .

NEW

CRANE-PAUL Venturi-Ball VALVES

(Designs and Patents Pending)

CRANE-PAUL 18-8Mo ALLOY
Gate and Yoke—Flanged. Available in sizes for assembly with



The Crane-Paul Valve—a unique design combines desirable advantages of both globe and gate valves. It provides better service and longer life under more rigorous operating conditions than such valves normally stand. Features include—

1. Precisely accurate throttling with a minimum of wear and erosion, resulting in long life and saving surfaces.

2. Straight-through, non-turbulent flow—with pressure drop characteristics approaching those of gate-type gate valves.

3. Quick, easy response throughout the entire range of operation.

4. Completely tight shut-off.

Part of this new Crane-Paul Valve is a round ball disc which rides loosely on a seat direct-connected to the valve stem. In operation, the ball is moved to and from the seat of flow and rolls into and out of the body. At no time during valve operation does the ball vibrate or chatter, even in closely throttled positions. It revolves just enough to provide a self-cleaning surface each cycle. In the closed position, part of the ball actually protrudes into the seat port where it is tightly seated by the action of the ball cage.

Literature Sent on Request

For information on this new Crane-Paul Valve, write to Crane 53 Catalog. Literature is available from your Crane Representative or on request to address below.

CRANE VALVES

CRANE CO., General Office: 836 S. Michigan Ave., Chicago 5, Illinois
Branches and Wholesalers Serving All Industrial Areas

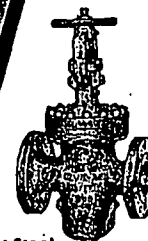
VALVES • FITTINGS • PIPE • PLUMBING • HEATING

fully closed with ball disc locked in outlet port. Ball seals seats in same position, thus minimizing wear and erosion.

Smooth opening begins when ball cage "rolls" ball out of its seat. Crescent shape opening permits minute throttling.

Inclined surfaces in the cage lift the ball disc clear of the seating surface.

fully opened with U-shaped bottom of cage forming a continuous flow passage.



Cast Steel

150-Pound, Sizes 1 through 6"
300-Pound, Sizes 1 through 6"
600-Pound, Sizes 1 through 6"

Crane 18-8Mo Alloy

150-Pound, Sizes 1 through 6"
300-Pound, Sizes 1 through 6"

