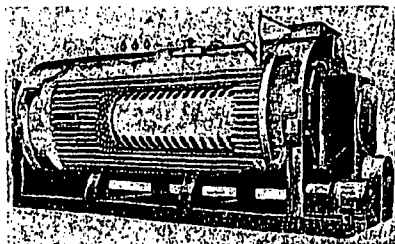


PLANT EQUIPMENT NEWS

Your information center for new products designed to solve plant problems

Published monthly as a service to readers



New Boiler Features Even Heating, Easy Maintenance

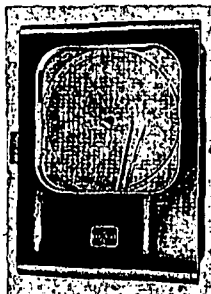
1100 • Automatic steam generator, 20 to 500 hp, features 2-pass design that eliminates need for refractory baffles or partition in front or rear. The simplified and improved Continental permits easy and full access to all fire surfaces. All tubes, by their arrangement, do an equal amount of work, since they are subjected to the same temperature. Two-pass design affords increased uniformity of longitudinal expansion, manufacturer claims.

Air enters furnace through tangential vanes around register located in furnace throat. Surrounding heated chamber for

returning gas makes possible controlled mixture of fuel and heated air which, in combustion, creates a highly radiant flame with high rate of heat transfer.

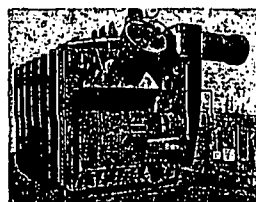
From furnace tube, hot gases are forced with a spiralling motion through 3-in. return tubes to provide maximum heat transfer and low gas temperature at stack. Under normal conditions, stack temperature is guaranteed not to exceed 125 F above saturated steam temperature at operating pressure, according to manufacturer.

Boiler Engrg & Supply Co., Inc., Phoenixville, Pa.



Electronic Controllers

1119 • New line of free-vano electronic controllers, part of Series 500 line, use standard Bristol elements and are available for indicating or recording temperature, pressure, flow, liquid level, humidity and time program control. Combinations of one or two recording pens or indicators with one or two control units in one case make the new controllers adaptable to wide range of control problems. Bulletin B226, Bristol Co., Waterbury 20, Conn.



Package Boiler

1107 • New line of completely pre-assembled, water-tube steam generators, designated Type H, is available in 10 standard sizes from 8000 to 30,000-lbs steam per hr. Boiler has 2-drum design with vertical bent-tube arrangement and water-cooled furnace. Type H is fired by oil or gas and is adaptable to outdoor service. Heavy steel base functions as both skids and support. Free descriptive literature is available on request from manufacturer.

Bigelow Co., New Haven 3, Conn.

For more data on these items, use post cards P-163. Identify your request with item number.



Portable Compressor

1110 • New 16 cfm portable compressor Super Chief 160, features 2 and 4-wheel trailer and skid mountings and is reported to be from 200 to 1000 lb lighter than other compressors of the same capacity. Unit has 2 low pressure cylinders with 6-in. bore and 8 1/2-in. stroke; one high pressure cylinder with 3 1/2-in. bore. It is offered in both gasoline and diesel-powered models.

Davey Compressor Co., Kent, Ohio

Pressure Relief Valves

1158 • New larger-sized pressure relief valves for hot water space heating boilers protect against over pressure. The new valves are called the 1-inch No. 220 and the 1 1/2-inch No. 230. They are suitable for use on boilers with heat output to 743,400 Btu/hr and 1,025,100 Btu/hr, respectively; they open at 30 psi.

McDonnell & Miller, Inc., 8500 N. Spaulding Ave., Chicago 18, Illinois



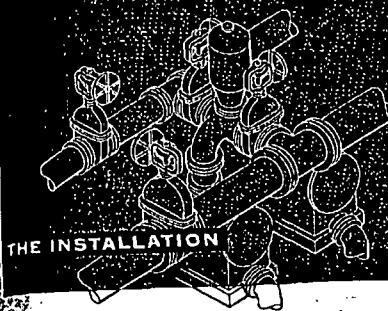
Safety-Relief Valve

1132 • Improved safety-relief valve reportedly features higher capacity per size than any other valve, free-acting, self-aligning disc and a "floating" guide that assists opening and closing action. Disc and holder are of forged copper alloy. Unit is available in sizes from 1 1/4 through 6 in.

J E Lonergan Co., 2nd & Race St., Philadelphia 6, Pennsylvania

(Continued on page 156)

These Valves Stay on Job After 50 Years of Water Service



THE INSTALLATION

At the Beaumont City Water Works, Beaumont, Texas, with Crane gear-operated iron body gate valves in main lines in pumping plant.

THE CASE HISTORY

Beaumont taxpayers are still benefiting by the valve quality specified for the Municipal Pumping Station built in 1903. These 14, 16, and 24-inch Crane iron body gate valves remained in their original location until the old plant was converted recently from steam to diesel power. Even then, many were merely cleaned up and put right back in service in the new plant.

For 50 years and more, these Crane valves have given outstanding service at the lowest possible maintenance cost. With but routine care, they remained tight at seat and stem, and always performed with smooth, positive action, despite infrequent operation.

Here's an example of the quality that traditionally sets Crane apart from ordinary valves. It's a value like this that has always made Crane the first choice of thrifty buyers in every industry.

THE BETTER QUALITY...BIGGER VALUE LINE...IN BRASS, STEEL, IRON

CRANE VALVES

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

VALVES • FITTINGS • PIPE • PLUMBING • HEATING

VALVE SERVICE RATINGS

SUITABILITY:	Always reliable
FEATURES:	Rugged design in every part
MAINTENANCE COST:	Routine care only
SERVICE LIFE:	Still in service since 1903
OPERATING RESULTS:	No valve failures
AVAILABILITY:	Crane Catalog Item Current No. 461

THE VALVE

Today's Crane 125-Pound Iron Body Gate Valves with wedge disc are building equally outstanding service records. Highly engineered for durability and dependability at low cost, these valves are now available in the most complete line of patterns and sizes, with a choice of trim for water utilities and other services. Choose to your exact needs from your Crane Catalog, or see your Crane Representative.



for the
THRIFTY
BUYER