

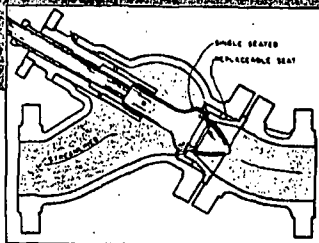


Eliminate . . .

EROSION
WIREDRAWING
HIGH
MAINTENANCE
COSTS
IN
HEAVY DUTY
REDUCING VALVE
SERVICE

WITH THE NEW
STREAMLINED
Cono-Ess
ALL-PNEUMATIC
THROTTLING
CONTROL VALVE

The new CONO-ESS valve, with its streamlined body contours and single-seated construction, marks a big advance in reducing-valve body design and obsolesces the conventional double-ported, globe pattern control valves. CONO-ESS valve may be actuated by either the revolutionary air-powered gear-drive ROTOMOTOR or the unique air-powered CONO-CYLINDER. You get years of trouble-free service without the headaches usually associated with conventional steam reducing valves.



Available in sizes 1 1/4" to 8", for pressures up to 1500 psi at 1000° F. Rotomotor-operated valves have declutching handwheel for manual operation in case of power failure, eliminating need for expensive bypass. Single-seated construction assures drop tight shut-off when closed.

BULLETIN C-1 gives information on various applications and details of operation. Write for it today.

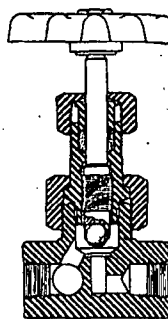
**CONOFLOW
CORPORATION**
2100 ARCH ST., PHILADELPHIA 2, PA.

CC-118



More EQUIPMENT NEWS

sight either vertically or horizontally. Operating dial control and indicator displacement within .050 in. Deviation only 18 lb. Auto-collimators and accessories like targets, bases, and are available.
Joel Fox Co., Inc., 1110 N. Santa Anita, Los Angeles 38, Calif.



Ball Valve

158 • Recommended for working pressures up to 3000 psi, new 1/4-in. ball gives tight, positive shutoff. Stainless ball closes into a machined, conical seat. The ball, retained at end of stem, is rolled. Alignment of ball to seat is by forged-steel, union-type bonnet, tightly to body. Long-stroke stem sealing gland are made of stainless steel for ability and resistance to corrosion. It is a preformed, graphitized asbestos plastic binder and can be easily removed without shutting off line pressure during process.
The Foxboro Co., Foxboro, Mass.

For more data on these items, see page 163. Identify your request with line number.

Pipe and Conduit Reamer

128 • Rigid spiral 2-S pipe reamer inside burr from pipe and conduit with minimum of effort or pressure. High-speed steel construction assures long life. Capacity 1/4 to 2 in. Furnished with handle, or as spiral reamer alone.
Ridge Tool Co., Elyria, Ohio

Fluorescent Ballast

159 • Leading all-line ballast ballast series economy and size with long performance and dependability. Ballast available in 38-, 58-, and 75-watt sizes. A 25% reduction in wattage now puts lead-lag in the series-ballast for operating economy.

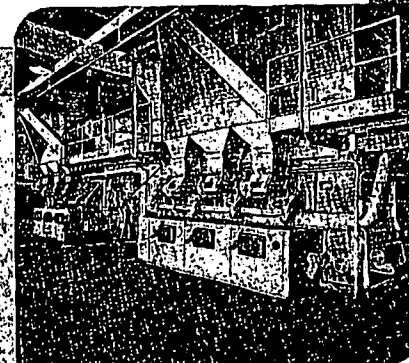
New circuiting and improved production methods have reduced ballast size by 2% by 1 3/4-in., with corresponding reduction in weight. Stroboscope

NEW PLANTS LIKE CATERPILLAR'S BURN COAL THE MODERN WAY!



Mr. R. H. Bachman,
Plant Maintenance Engineer,
Caterpillar Tractor Co., says:

"Our new plant pictured above was recently completed at Joliet, Illinois. A completely up-to-date coal installation was chosen to handle the heat and process steam requirements. To the right is a picture of the firing aisle showing how the boilers are fired by dust-tight tubes from overhead bunkers. This modern equipment makes coal as clean, convenient, and efficient as a fuel can be. The boilers are rated at 80,000 lbs. of steam per hour, but have handled loads as low as 2,000 lbs. per hour, without difficulty."



For big savings, build for COAL! That's a good rule to follow whether you've got a new plant under construction or an older plant being modernized.

Up-to-date coal-burning equipment can give you more steam per dollar . . . modern coal- and ash-handling systems can cut labor costs to a minimum. In addition, coal is the only fuel with virtually inexhaustible reserves. And to mine this coal, to better prepare it for customers' special needs, America has the world's most productive coal industry. Thus, coal users get a double advantage—dependable supply of an even better product, at relatively more stable prices.

For heat, power, process steam—coal is your best bet! Ask a consulting engineer. He'll show you how to cut both fuel and operating costs by burning coal in a modern plant designed to meet your specific needs.

If you operate a steam plant, you can't afford to ignore these facts!

COAL in most places is today's lowest-cost fuel.

COAL resources in America are adequate for all needs—for hundreds of years to come.

COAL production in the U.S.A. is highly mechanized and by far the most efficient in the world.

COAL prices will therefore remain the most stable of all fuels.

COAL is the safest fuel to store and use.

COAL is the fuel that industry counts on more and more—for with modern combustion and handling equipment, the inherent advantages of well-prepared coal net even bigger savings.

BITUMINOUS COAL INSTITUTE

A Department of National Coal Association, Washington, D. C.

FOR HIGH EFFICIENCY • FOR LOW COST

YOU CAN COUNT ON COAL!