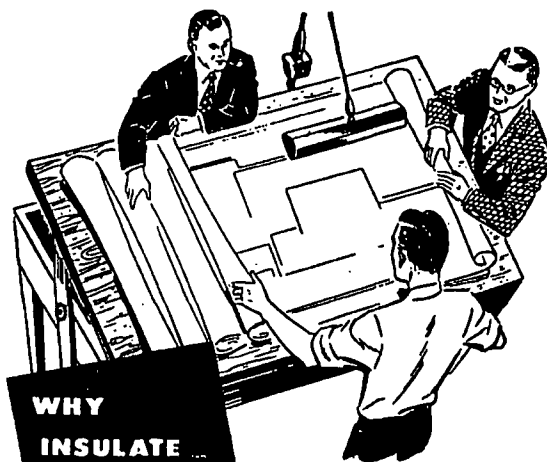




WHY INSULATE YOUR CONDENSER TUBES?

You may be doing just that if your plans don't include **CHLORINATION EQUIPMENT** for slime control by **WALLACE & TIERNAN**.

Chlorination equipment because it controls slime that grows on the walls of condenser tubes not protected against it. Enough of the growth eventually seriously reduces heat transfer efficiency — actually insulates your steam from the cooling water. Back pressures go up, production drops, operating and maintenance costs

rise, and eventual shut-down becomes necessary for regular clean-out periods.

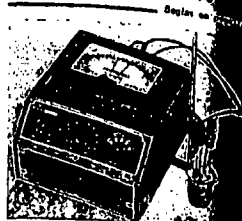
Wallace & Tiernan equipment because it is versatile, sturdy and dependable — proven by thousands of successful installations, vouched for by satisfied users everywhere — and because there's a Wallace & Tiernan chlorinator for every job. Write today for information on how Wallace & Tiernan chlorination may help you solve your slime problem.

**NO WATER
IS
SLIME-FREE**
regardless of the source. Chlorination helps reduce slime in make-up or cooling water.

WALLACE & TIERNAN COMPANY, INC.

CHLORINE AND CHEMICAL CONTROL EQUIPMENT
NEWARK, N. J. NEW JERSEY • REPRESENTED BY PRINCIPAL CITIES

More EQUIPMENT NEWS



pH Meter

1027 • Portable pH meter, Model 1027 provides 2000-hr service with power from 3 ordinary radio batteries. Unit is available for operation with 100-125-150 Scale length of 5 1/4 in. permits reading of 0.02 pH reproducible and accurate to 0.03 pH.

Photovolt Corp., 95 Madison Ave., New York 16, N. Y.

For more data on these items, see page 183. Identify your request with item number.

Oxygen-Recording Equipment

1043 • New apparatus solves many measuring problems by using oxygen as direct source of measurement. Manufacturer claims this method increases efficiency of combustion, process, product and safety control. High speed response—initial, 12 sec; 90% of final reading, 35 sec—is provided by the equipment.

Calibrated accuracy of 0.15% oxygen against standard mixtures can be adjusted by recorder-dial rheostat to any plant standard. Null-balance measurement method provides stability of better than 0.15% oxygen. Recording equipment includes (1) a thermo-magnetic analyzer (2) a Spectramax recorder (3) a sample conditioner. Further details are available from manufacturer.

Leeds & Northrup Co., 4934 Stanton Ave., Philadelphia 44, Pa.

Air Sampler

1069 • High-volume air sampler samples large volumes of air for particulate matter by means of filter papers. Unit weighs 10 lb, consists of filter holder, pump and motor, fan housing assembly, variable orifice meter for measuring rate of flow. Three different types of filter paper deliver from 18 to 72 cm.

Siaplex Co., 68-72 Jay St., Brooklyn 1, New York

Heavy-Duty Air Hose

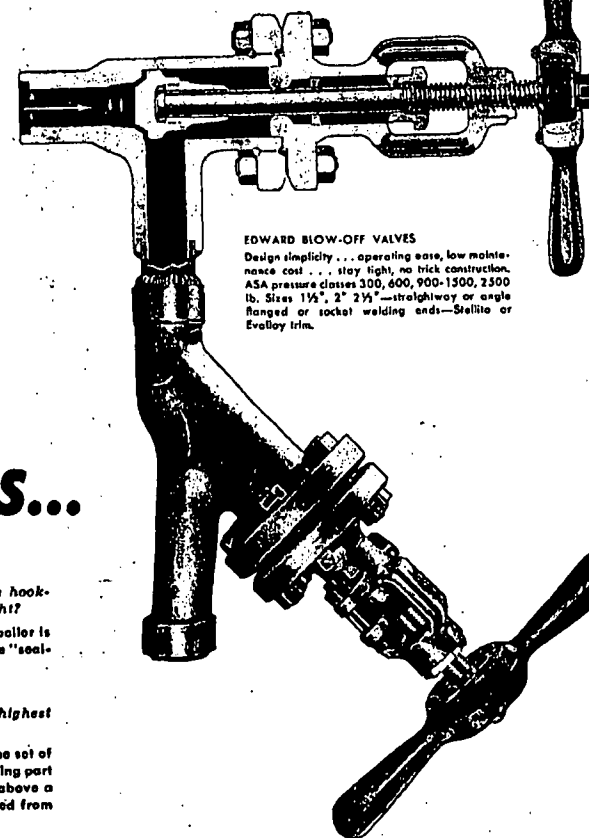
1070 • New Commander air hose is suitable for working pressures up to 400 psi. Hose is reinforced with a single braid of high-tensile steel wire.

It is designed for use where high working pressures are required or where the cover is subjected to severe abrasion. Available in 1/4, 1/2 and 1 in. sizes.

B. F. Goodrich Co., Akron, Ohio

POWER • OCTOBER 1953

Before You Buy Blow-off Valves ASK THESE QUESTIONS...



EDWARD BLOW-OFF VALVES

Design simplicity... operating ease, low maintenance cost... stay tight, no tick construction. ASA pressure classes 300, 600, 900, 1500, 2500 lb. Sizes 1 1/2", 2", 2 1/2" — straightway or angle flanged or socket welding ends — Stellite or Evelyn trim.

Q. In a tandem blow-off valve hook-up, will both valves stay tight?

With Edward, the valve nearest the boiler is the same design as its mate. Both are "seal-in" valves.

Q. Is the packing out of the highest temperature zone?

Edward blow-off valves have only one set of packing, for the stem is the only working part that needs to be packed. Packing is above a condensate cooling chamber, removed from highest line temperatures.

Q. Do the valves have backseats, so that packing can be replaced in service?

With Edward, the answer is "yes".

Q. Can leakage start through bonnet misalignment?

Not with Edward blow-off valves. The Edward one-piece bonnet has no yoke posts to permit distortion.

Q. Are parts of both blow-off valves interchangeable?

Edward answers "yes". And with fewer working parts Edward blow-off valves need less maintenance. If part replacement is necessary, repairs are easier and less expensive with Edward.

Q. Can the seat and disk bind together?

Not Edward, because the disk lifts off the seat on operating. Instead of grinding against it. There is no sleeve to gall against the seat.

Edward Valves, Inc.

Subsidiary of ROCKWELL MANUFACTURING COMPANY

1220 WEST 144th STREET
EAST CHICAGO, INDIANA

Another  Product

Edward built the first steel blow-off valves. Installation records in America's major steam plants for nearly 50 years tell this story — no blow-off valves are better designed for year-in, year-out service with low maintenance. Write for Edward blow-off valve catalog, No. 12-D.