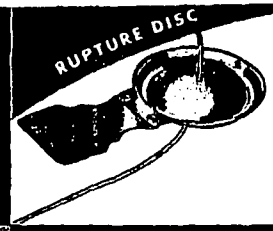
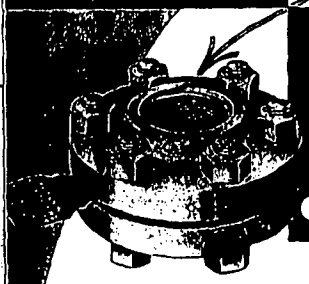
QUESTION:

When does weakness mean safety?





ANSWER:

Only When It's In BS&B Safety Heads

Safe, Sure Protection Against Overpressure within Pressure Vessels

Sudden Pressure, Safe Relief—that's what BS&B Safety Heads are designed to give. There's no damage to equipment, no danger to employees. BS&B Safety Heads *fail* within plus or minus 5% of the pressure specifications *you* give us, whether 5 lbs., 40,000 lbs., or anywhere in between.

Tested to Destruction, BS&B Safety Heads are proproved at the factory. Rupture Discs, selected at random from each lot, are put under pressure until they fail. If each one *tested* does not break within 5% of the rated pressure, the entire lot is discarded!

A Full, Pipe-Sized Opening results when a BS&B Safety Head Rupture Disc blows out. You can use them for primary or secondary relief where maximum protection is needed, or to back up a relief valve when the contents might prevent the valve from functioning properly. Whether *your* pressure applications are for air, gas or liquids—bland or corrosive—you can count on BS&B Safety Heads for safe, certain relief.

See our exhibit at the Eighth National Instrument Exhibit, Sept. 21 to 25, Sherman Hotel, Chicago Booth 148 to 180

Write for Complete Catalog

Whatever your pressure applications, there's a BS&B Safety Head for you. Write today for the Safety Head Catalog, or ask your BS&B Man. There's no cost or obligation for a complete analysis of your pressure safety requirements.

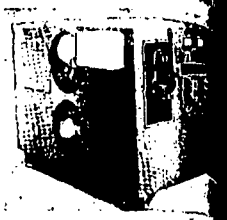
BS&B HEADS

BLACK, SIVALLS & BRYSON, INC.

Safety Head Division, Dept. 08

4100 East 10th Street Kansas City, 26, Missouri

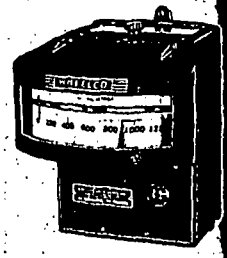
More EQUIPMENT NEWS



Standard Unit Rectifier

822 • Unit rectifiers from 3 to 1[illegible] 125 or 230 v, dc, output and either [illegible] or variable voltage, dc units to [illegible] modate any ac voltage or frequency [illegible] are available in stock, manufacturer [illegible] Also available upon request are [illegible] input voltages at 60 cycles. Bulletin [illegible] request.

American Rectifier Corp, 95 Lafa[illegible] St, New York, N.Y.



Indicating Controller

849 • Model 221C *Capacitrol* features [illegible] ticipating action to give "straight-line" [illegible] trol. The unit anticipates, through a [illegible] sistor network and relay circuit, [illegible] approach and departure of temperatu[illegible] caused by various heat transfer lags [illegible] load requirements.

Manufacturer also offers four additio[illegible] model 200 series *Capacitrols*, two for si[illegible] ular on-off control and two for proportio[illegible] ing control.

All models use an "electronic link" [illegible] provide accurate control with no contact [illegible] between measuring and control system[illegible] Sensing element may be a thermocouple [illegible] resistance bulb. Bulletin F 5783.

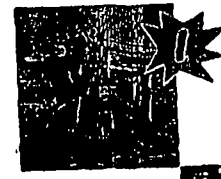
Wheelco Instruments Div, Barber-C[illegible] man Co, Rockford, Ill.

For more data on these items, use post car[illegible] p. 163. Identify your request with item num[illegible]

Sample Cooling Coil

850 • Model SC-7A B-W coil consists [illegible] Cupro-nickel concentric coiled tubing [illegible] stainless steel connecting blocks, dial ther[illegible] mometer and mounting bracket. Unit offers [illegible] checking high pressure steam or [illegible]

...They've added their FOURTH JOY WG-9 COMPRESSOR

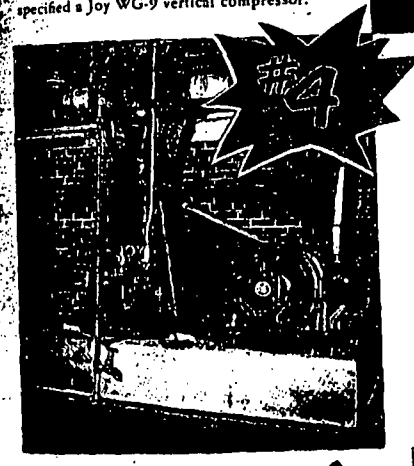






Certain-teed's new Oklahoma paper mill uses compressed air in the manufacture of gypsum board papers. In addition, compressed air is used in general shop service, and it also furnishes the pressure for the ever-so-important automatic sprinkler system.

With such dependence upon air supply—24 hours a day—Certain-teed's engineers "bet on the Champ" and, for the fourth time in a row, specified a Joy WG-9 vertical compressor.



The WG-9 is a water-cooled, double-acting, single-stage compressor built to deliver medium amounts of air *constantly*. It, alone in its class, *offers* replaceable crosshead guides and cylinder liners, force-feed lubrication, and bearings that *never* need adjusting. As an extra bonus, "Dual-Cushion" valves are included to give higher valve capacity and better heat dissipation.

All-in-all, the WG-9 is a potent performer—able to take the measure of any compressor in its class. Get the specifications and check the record . . . you'll be convinced, too. Bulletin A-43 gives all data and will be sent upon request. ● *Joy Manufacturing Company, Oliver Building, Pittsburgh 22, Pa.* In Canada: *Joy Manufacturing Company (Canada) Limited, Galt, Ontario.*

15 SIZES • 30 to 150 PSI • 172 to 881 CFM

FOR OIL-FREE OPERATIONS WE OFFER THE WGO-9 SERIES

Consult a Joy Engineer



For Vacuum Pans . . . Compressors, Vacuum Pumps and Boosters . . . Oxygen Generators

JOY

SPECIALISTS IN THE COMPRESSION AND MOVEMENT OF AIR AND GASES SINCE 1885