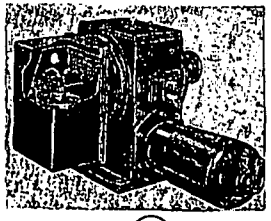
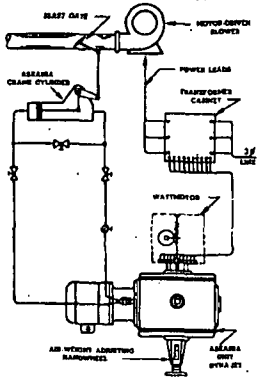
More EQUIPMENT NEWS

Begins on page 132





New System Provides Constant Air-Weight Control

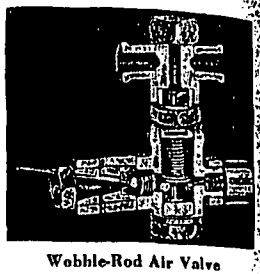
1157 • New control system, for use where *power input* is convenient measure of other variables, provides constant air-weight control with motor-driven cupola blowers. *Dyna-Jet*, the jet pipe regulator, comes equipped with special power-responsive signal system.

Unit furnishes air-weight control based on the *principle* that air-weight delivered by a motor-driven blower is directly proportional to power consumed. Unit measures 3-phase power and puts out a high-level hydraulic signal in proportion to deviation from pre-set power level. This force works on a two-way hydraulic cylinder to position blast gate.

System operates with conventional instrument transformers with 120-v and 5-a secondaries. Motor potentials up to 2400 and currents up to 800 a can be used with suitable voltage and current transformers.

Manufacturer claims installation is simple and cost is low because there need be no change or addition to existing piping. A handwheel scale calibrated directly in units of air-weight delivery permits easy adjustments. System is self-lubricating and easy to maintain; its only moving part, the jet pipe relay, is bathed in oil. Bulletin 158 is available on request from manufacturer.

Askania Regulator Co, 240 E Ontario St, Chicago 11, Illinois



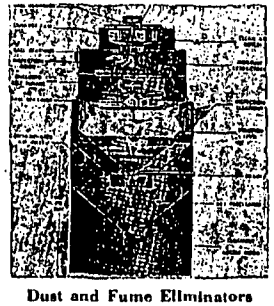
Wobble-Rod Air Valve

1112 • All-metal construction, flexibility of both mounting and application, *wobble-rod* action and integral exhaust of new valve offer new possibilities to designers and users of pneumatically-operated equipment. Hardened rod that actuates valve can move in any direction. Internal exhaust valve will automatically discharge when valve closes but can be eliminated if line pressures must be held. Check valve ahead of the ball and seat prevents backsurge.

Valve has no rubber or fiber seats or diaphragms. All parts are of bronze, brass and stainless steel. Dissimilar metals are used at all friction points to prevent galling. Overall dimensions are 3⅛x5x4⅝ in.; weight is 2¼ lb; maximum operating pressure is 125 psig.

Pantex Mfg Co, 521 Roosevelt Ave, Pawtucket, Rhode Island

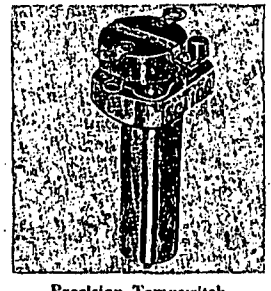
For more data on these items, use post cards p. 163. Identify your request with item number.



Dust and Fume Eliminators

1135 • *Centri-Merge* vertical rotor wet type dust and fume eliminators are available in two unit types. One unit is for wet collection and elimination only, while the other is a combination primary dry and secondary wet collection unit. Both units combine the cyclonic principle of dust separation and positive high pressure water action to remove impurities from air. Capacities range from 500 to 50,000 cfm.

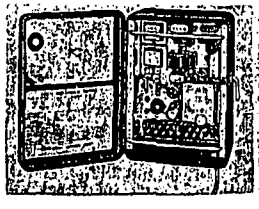
Schmieg Industries, Inc, Detroit 2, Michigan



Precision Tempswitch

1128 • *Tempswitch* No. 3-C1200 provides accurate control where conditions require snap action of contacts. Small assembly, 2½x1 in., lends itself to applications with limited space. Principle of operation is thermo-sensitive liquid in case; as temperature increases, plunger actuates direct and reverse acting switch. Capacities range from 70 to 150 F standard with others up to 300 F. Switch is UL-approved.

Smith Control & Instrument Co, Inc, Polmyra, New Jersey



Programming Control

1104 • *Fireye* programming control provides full protection against costly flame failure explosions in addition to programming for any application requirement for commercial-industrial gas, oil or combination burners. Employing flame-sensitive *Firetron* cell, device shuts off fuel in 2 to 4 seconds after burner flame goes out.

Fail-safe circuit prevents operation under any unsafe condition. Plug-in chassis provides maximum accessibility and ease of installation. Unit is said to withstand vibration and to give continuous performance under the most adverse conditions.

Combustion Control Corp, Dept N, 718 Beacon St, Boston 15, Mass.

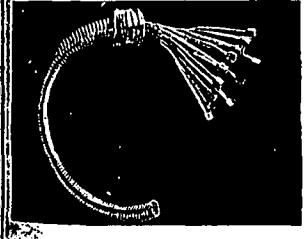
(Continued on page 160)

For the new pneumatic instrumentation

Cabled Tube

The recent tremendous increase in the use of tube instead of wires for instrumentation and control purposes has led to an important new development—cabled tube. This is an armored group of long tubes twisted together to permit bending without distortion. An insulating tape is wrapped over the bundle of tubes to prevent electrolytic action. Then interlocking, flexible galvanized steel armor is applied, like BX. This protects the tubes from injury during shipment, storage, installation, and in service. Standard fittings, boxes and cabinets can be used for junction boxes and terminations. To make it possible to readily identify each tube, one tube in each layer is colored; the position of each tube in each layer in relation to the coded tube remains the same throughout the length of the cable.

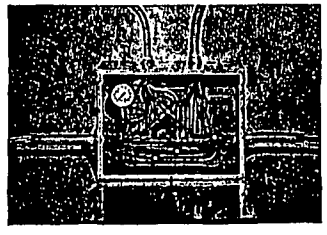
The tubes usually are copper, but aluminum tubes can be used for special purposes. For unusually corrosive situations, a plastic outer sheath can be applied. As many as 19 tubes, ¼" OD, can be cabled, and supplied in lengths up to 1,000 ft.





Showing the construction of Crescent Armored Multitube, made by Crescent Insulated Wire and Cable Co., Trenton 5, N. J., which will supply further information on request.

Since the tubes carry not electricity but air, nitrogen, helium, or a fluid, they are especially attractive in potentially explosive locations, as in refineries and chemical plants. Utilities are also turning decisively to this new cable, while automatic process control (automation) is a rising application.



Revere, as a supplier of tube for this purpose, calls this cabled tube development to your attention as a matter of general and perhaps specific interest. See Revere for copper, aluminum and brass tube and pipe, electric welded steel tube, and lockseam tube. Call the nearest Sales Office.

REVERE

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