# GENERAL CONTROLS

801 ALLEN AVENUE — GLENDALE 1, CALIF.

*Manufacturers of Automatic Pressure, Temperature, Level & Flow Controls*

FACTORY BRANCHES: BALTIMORE (5), BIRMINGHAM (3), BOSTON (16), BUFFALO (3), CHICAGO (5), CINCINNATI (2), CLEVELAND (15), DALLAS (2), DENVER (4), DETROIT (21), WASHINGTON (6), GLENDALE (1), HOUSTON (6), KANSAS CITY (2), MINNEAPOLIS (2), NEW YORK (17), PHILADELPHIA (23), PITTSBURGH (22), ST. LOUIS (3), SAN FRANCISCO (7), NEWARK (6), SEATTLE (1), TULSA (6). DISTRIBUTORS IN PRINCIPAL CITIES.

## THERMOSTATS



*Type T-70*

Compact, snap-action, T-70 Metrotherm Thermostat. Functional beauty for accurate, remote control of desired temperature. Extends only ⅞ in. from wall. Streamlined stainless cover, sensitive to slightest temperature change, ivory plastic base.

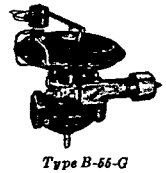
## MAGNETIC GAS VALVES



*Type K-3B*

Versatile, two-wire, straight magnetic current-failure valve. Packless. Insures tight shut-off indefinitely. Humless. Size range, ⅞ in. to 6 in. I.P.S. Operating pressures up to 5 lb. Voltages and frequencies A.C. or D.C. Quiet, positive, trouble-free. Available in explosion-proof housing.

## SLOW OPENING GAS VALVES



*Type B-66-G*

New combustion control afforded by these diaphragm-controlled gas valves. Governor regulates fuel supply to burner in direct ratio to steam pressure, eliminating hunting aspect. Low fire adjustment prevents main valve or gas flow from reducing below adjustable set minimum. Available 1 in. to 6 in. I.P.S.

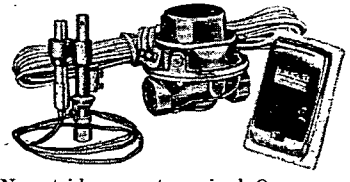
## MAGNETIC VALVES



*Type K-10*

Provides six times more power than ordinary solenoid valves. Controls air, gas, water, light, heavy oils, steam. Positive opening, complete shut-off, packless, hum-free. Available for any voltage, A.C. or D.C., in sizes up to 1¼ in. I.P.S., port sizes up to ⅝ in. K-20 Series is designed for applications where single needle port sizes provide sufficient flow capacity.

## BX-69 GAS ACTUATED PACKAGE SETS



No outside current required. Operates on all types of gases. Safe, quiet, dependable. For all gas-heating appliances. Set consists of a PG-9 500 millivolt pilot generator, a B-60 gas control valve, a T-70 snap-action thermostat, thermostatic cable and vent tubing. Everything needed in convenient package for remote gas control.

## *hi-g MAGNETIC VALVES

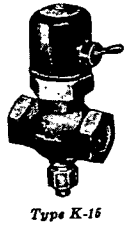


*Type PV (AV)-S*

Designed for positive operation on aircraft, trucks, tractors, tanks, graders, ships, and other moving equipment. Handle all fluids, vapors and gases on anything that rolls, floats or flies at pressures up to 3000 lb or more. Packless, two-wire, current - failure type, available normally open, normally closed for intermittent or continuous duty.

*Trade Mark—"hi-g" indicates positive ability to function in any position, regardless of vibration, change of motion or acceleration.

## REFRIGERANT CONTROLS



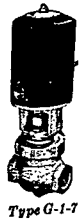
*Type K-15*

Magnetic piloted, two - wire, current failure, high pressure, packless. Handle large capacities with minimum pressure drop and loss. Tight shut-off. Operates on wide variety of fluids and gases.





## HYDRAMOTOR VALVES



*Type G-1-7*

Simplify valve control installations. Two-wire, current failure, electric - hydraulic operation. Ample motor - driven power, slow opening and closing movement. Operator drives against a spring in one direction; power failure or opening of circuit causes spring to operate in other direction.

## MANUAL RESET VALVES



*Type V-110*

Equipped with manually-reset electromagnetically-held valve operator. Current flowing to operator permits manual opening by turning valve wheel at side. Current failure releases operator allowing valve to close. Trip-free mechanism cannot be opened under unsafe conditions. Once closed, valve is re-opened manually because applying current has no effect.

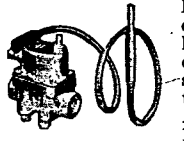
## STRAINERS



*Type SY-6*

Actual tests prove importance of strainers in prolonging operating life and reducing leakage of flow controls. SY-6 Series STRAINERS come in 8 types; meshes 3/16 in. diam. to 120-per-inch.

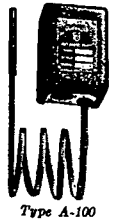
## THERMOPILOT (Valve Model)



*Type MR-2*

Manually-reset, electromagnetically-held-open valve with current generated by single couple subject to heat of pilot flame. Available ⅜ in. to 1½ in. I.P.S.

## THERMOPILOTS



*Type A-100*

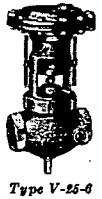
Proven principles of operation insure dependability. Flame applied to thermocouple maintains electrical contact, allowing electrical gas valve to open. When flame fails, Thermopilot opens circuit to main gas valve. Flexible, armored, asbestos-covered cable detachable from relay. 2 or 3-wire control. Electrical rating, 2 amp., 24 volt; 1 amp., 115 volt; 0.5 mp., 230 volt.

## THERMAL EXPANSION VALVES



Type V-200 with new selective capacity cartridge provides instant sizing adjustment. Only one valve required for full capacity range in each body size at all back pressure or suction temperature ranges. For Freon, Methyl Chloride or Sulphur Dioxide.

## GAS FUEL GOVERNORS



*Type V-25-6*

Throttle gas lines according to boiler pressure applied to diaphragm. Ball bearing thrust adjustment, ground and polished non-corrosive stems, low friction packing gland seal, multiple calibrated springs, high lift for maximum capacity. Suitable for butane, natural or manufactured gas. Available ⅜ in. to 3 in., I.P.S.

## RELAYS AND TRANSFORMERS



*Type RS-100*

Type RS-100 handles single phase motor loads up to 1 hp or heating loads up to 1.1 kw. Combines double-break relay and integral transformer. Normally open; large double-break contacts. Two-wire control circuit; maximum holding current 0.4 amps. Furnished with ½ in. conduit connections and low voltage outlet. A.C. only.

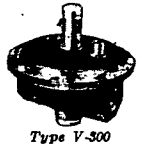
## FAN AND LIMIT CONTROL



*Type L-54*

Combination Fan and Safety Limit Control incorporates two separate switch units, one acting as a fan control; the other for safety limit operation. Each switch makes and breaks its own circuit independently. External adjusting knob on fan switch may be turned to "fan summer" position for manual control of fan for summer ventilation.

## LOW PRESSURE GAS REGULATORS



*Type V-300*

New V-300 Series are reliable, trouble-free valves with high capacity, close regulation, yet small and compact. Regulator size range from ⅜ to 2 in. I.P.S. Internal parts, corrosion-resistant. Cast iron regulator bodies, long life calibrated springs, properly fitted all-metal valves.