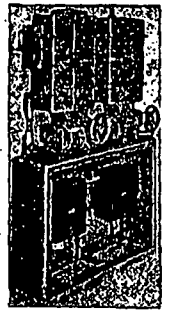
RELIABILITY • RESPONSE • STABILITY

—These come first in your electric control system and you can bank on . . .





COMBUSTION CONTROL

Panel space required is very small, resulting in space saving, compact instrument panel layouts.

Motorized actuators are used for remote manual control of isolation or shut-off dampers, tempering air dampers, ratstching mill dampers and many other types of remote manual control where the utmost in dependability is required.

HYDRAULIC CONTROL EQUIPMENT

For use where extremely rapid response, combined with a high order of stability, is required.

Also for turbine regulation, high pressure valve operation and various types of sequence or program operating mechanisms. Standard single or duplicate pumping units available in many different sizes of motors, pumps and tanks.



DESUPERHEATERS

GR desuperheaters employ four basic types used according to the limitations of service required:

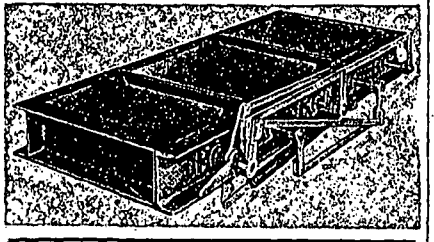
1. Venturi nozzle type.
2. Mechanical atomizing type.
3. Steam Atomizing type.
4. Variable area mechanical atomizing type.

GR all-electric self-contained pressure and temperature regulators serve these various types of desuperheaters.

CONTROL DAMPERS

GR control dampers are specially designed for forced and induced draft fans, recirculation ducts, and many special processes where good regulating characteristics are required.

Design features: Removable end frame and damper blades, ball bearings, gas sealed bearings, stuffing boxes and soilboard bearings where required.



SERVICE

GR offers a complete engineering service for the study and solution of all problems of combustion control and industrial process systems.

GENERAL REGULATOR CORP.

165 Broadway, New York 6, N. Y.

Sales Representatives: Foster Wheeler Corporation

Branch offices in principal cities

CONDENSERS, SURFACE

Alberger Heater Div, Howard Iron Works, Inc, 205 Chicago Ave, Buffalo 4, N. Y.
Alco Products Div, American Locomotive Co, Dunkirk, N. Y.
Allis-Chalmers Mfg Co, 952 S 70th St, Milwaukee 1, Wis.
American Locomotive Co, Schenectady 5, N. Y.
Ampco Metal, Inc, 1701 S 38th St, Milwaukee 46, Wis.
Brown Boveri Corp, 19 Rector St, New York 6, N. Y.
Chlorpatrine Co, 117 W 13th St, New York 11, N. Y.
Condenser Service & Engrg Co, Inc, 89 River St, Hoboken, N. J.
Continental Boiler & Sheet Iron Wks, 5401 W Park Ave, St Louis 10, Mo.
Croll-Reynolds Co Inc, 17 John St, New York 7, N. Y.
Downingtown Iron Wks Inc, Wallace Ave, Downingtown, Pa.
Elliott Co, Jeannette, Pa.
Foster Wheeler Corp, 165 Broadway, New York 6, N. Y.
Goodyear Industries, 224 S Michigan Ave, Chicago 4, Ill.
Hallman Boiler Wks, 132 Lisbre St, Allentown, Pa.
Ingersoll-Rand Co, 11 Broadway, New York 17, N. Y.
Lummus Co, 2 Park Ave, New York 17, N. Y.
McQuay, Inc, 1600 Broadway St, NE, Minneapolis 13, Minn.
Meyer, C. H., Inc, 10th & Union Sts, Catasauqua, Pa.
Nester Corp, 1400 S Second St, St. Louis 4, Mo.
Patterson-Kelley Co, 129 Burson St, East Stroudsburg, Pa.
Porter, H K, Co, Inc, 1932 Oliver Bldg, Pittsburgh 22, Pa.
Ross Heater & Mfg Co, Inc, 3407 West Ave, Buffalo 13, N. Y.
Schutte & Koerting Co, Cornwells Heights, Bucks County, Pa.
Smith, A O Corp, 3533 N 27th St, Milwaukee 1, Wis.
Struthers Wells Corp, Warren, Pa.
Union Steam Pump Co, Battle Creek, Mich.
Westinghouse Electric Corp, P O Box 868, Pittsburgh 30, Pa.
Wheeler, C H, Mfg Co, Lehigh & Seagley Aves, Philadelphia 32, Pa.
Worthington Corp, Harrison, N. J.

CONDENSERS, SYNCHRONOUS

Alco Products Div, American Locomotive, Dunkirk, N. Y.
Allis-Chalmers Mfg Co, 952 S 70th St, Milwaukee 1, Wis.
Brown Boveri Corp, 19 Rector St, New York 6, N. Y.
Elliott Co, Jeannette, Pa.
General Electric Co, Apparatus Sales Div, Schenectady 5, N. Y.

CONDUIT, ELECTRICAL

Aluminum Co of America, 1104 Alcoa Bldg, Pittsburgh 19, Pa.
American Brass Co, 414 Meadow St, Waterbury 20, Conn.
American Brass Co, American Metal Hose Br, Waterbury 20, Conn.
Chicago Metal Hose Corp, 1315 S Third Ave, Maywood, Ill.
Flexonics Corp, 1315 S Third Ave, Maywood, Ill.
General Electric Co, Construction Materials Div, 1285 Boston Ave, Bridgeport 2, Conn.
Greyhar Electric Co Inc, 420 Lexington Ave, New York 17, N. Y.
Johns-Manville, 22 East 40th St, New York 16, N. Y.
Line Material Co, 700 W Michigan St, Milwaukee 1, Wis.
National Electric Products Corp, Chamber of Commerce Bldg, Pittsburgh 19, Pa.
National Supply Co, Grant Bldg, Pittsburgh 30, Pa.
Rome Cable Corp, Ridge St, Rome, N. Y.
Steel & Tubes Div, Republic Steel Corp, 218 E 131st St, Cleveland 8, Ohio
Titeflex, Inc, 500 Frelinghuysen Ave, Newark 5, N. J.
Youngstown Sheet & Tube Co, Youngstown 1, Ohio

CONDUIT, STEAM, UNDERGROUND

Bethlehem Steel Co, Bethlehem, Pa.
Chicago Metal Hose Corp, 1315 S Third Ave, Maywood, Ill.
National Tube Co, Frick Bldg, Pittsburgh 19, Pa.
Porter, H W, & Co Inc, 825 Frelinghuysen Ave, Newark 5, N. J.
Ric-Wil Co, 1023 Union Commerce Bldg, Cleveland 14, Ohio

CONNECTORS AND ELECTRIC

Buchanan Electrical Products Corp, Route 22, Hillside, N. J.
Burney Engrg Co, Post Rd, Darien, Conn.
Edison, Thomas A, Inc, Instrument Div, Lakeside Ave, West Orange 3, N. J.
Erico Products Co, 1873 E 43rd St, Cleveland, Ohio
Geryhar Electric Co, 420 Lexington Ave, New York 17, N. Y.
Haleb Industries, 433 Orchard St, Newmark, Ill.
Joy Mfg Co, Dept S, Oliver Bldg, Pittsburgh, Pa.
Line Material Co, 700 W Michigan St, Milwaukee 1, Wis.
Mallory, P R & Co, 3029 E Washington St, Indianapolis 6, Ind.
National Electric Products Corp, Chamber of Commerce Bldg, Pittsburgh 19, Pa.
OZ Electrical Mfg Co, Inc, 161 Van Dam St, Brooklyn 22, N. Y.
Pyle-National Co, 1334 N Kostner Ave, Chicago 51, Ill.
Sherman, H B Mfg Co, 22 Bank St, Battle Creek, Mich.
Superior Electric Co, 83 Laseca St, Bristol 2, Conn.
Titeflex, Inc, 500 Frelinghuysen Ave, Newark 5, N. J.

CONTROL SYSTEMS, AIR CONDITIONING

Automatic Temperature Control Co Inc, 5233 Pulaski Ave, Philadelphia 44, Pa.
Bahnson Co, 1001 S Marshall St, Winston-Salem, N. C.
Barber-Colman Co, 1300 Rock St, Rockford, Ill.
Bristol Co, Waterbury 20, Conn.
Buffalo Forge Co, PO Box 985, Buffalo 7, N. Y.
Cutler-Hammer, Inc, 294 N 12th St, Milwaukee 1, Wis.
Foxboro Co, 38 Neponset Ave, Foxboro, Mass.
Frick Co, W Main St, Waynesboro, Pa.
Fulton Sylphon Div, Robertshaw-Fulton Controls Co, Knoxville 4, Tenn.
General Controls Co, Box 3517 Grand Central Sta, Glendale 1, Calif.
Johnson Service Co, 507 E Michigan St, Milwaukee 2, Wis.
Kieley & Mueller Inc, 2013 43rd St, North Bergen, N. J.
Leeds & Northrup Co, 4970 Stenton Ave, Philadelphia 44, Pa.
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill.
Minneapolis-Honeywell Regulator Co, 2753 Fourth Ave S, Minneapolis 8, Minn.
Minneapolis-Honeywell Regulator Co, Industrial Div, Wayne & Windrim Aves, Philadelphia 44, Pa.
Photoswitch, Inc, 77 Broadway, Cambridge 42, Mass.
Powers Regulator Co, 3400 Oakton St, Skokie, Ill.
Taylor Instrument Cos, 95 Ames St, Rochester 1, N. Y.
Vapor Heating Corp, 80 E Jackson Blvd, Chicago 4, Ill.
Westinghouse Electric Corp, P O Box 868, Pittsburgh 30, Pa.

CONTROL SYSTEMS, COMBUSTION

Askania Regulator Co, 240 E Ontario St, Chicago 11, Ill.
Atlas Valve Co, 280-84 South St, Newark 5, N. J.
Automatic Temperature Control Co, 5233 Pulaski Ave, Philadelphia 44, Pa.
Bailey Meter Co, 1050 Ivanhoe Rd, Cleveland 10, Ohio
Barber-Colman Co, 1300 Rock St, Rockford, Ill.
Bristol Co, Waterbury 20, Conn.
Brown Engrg Co Inc, 4317 Wayne Ave, Philadelphia 44, Pa.
Canton Stoker Corp, 741 Andrews Pl S W, Canton 1, Ohio
Cash, A W Co, Box 551, Decatur 7, Ill.
Cleveland Fuel Equip Co, 7316 Associate Ave, Cleveland 9, Ohio
Coen Co, 40 Boardman Place, San Francisco 3, Calif.
Combustion Control Corp, 718 Boylston St, Boston 8, Mass.
Copes-Vulcan Div, Continental Foundry & Machine Co, Erie, Pa.
Defender Instrument & Regulator Co, 819 Clark Ave, St. Louis 9, Mo.
Eclipse Fuel Eng Co, 1059 Buchanan St, Rockford, Ill.

Bell & Gossett Co, 8200 N Austin Ave, Morton Grove, Ill.
Bristol Co, Waterbury 20, Conn.
Canton Stoker Corp, 741 Andrews Pl S W, Canton 1, Ohio
Cutler-Hammer, Inc, 294 N 12th St, Milwaukee 1, Wis.
Control Corp, 718 Central Ave, Minneapolis 14, Minn.
Foxboro Co, 38 Neponset Ave, Foxboro, Mass.
General Controls Co, Box 3517 Grand Central Sta, Glendale 1, Calif.
Hoffman Specialty Mfg Corp, 1001 York St, Indianapolis 7, Ind.
Illinois Engrg Co, Racine Ave & 20th Pl, Chicago 8, Ill.
Iron Fireman Mfg Co, 3170 W 106 St, Cleveland 11, Ohio
Johnson Service Co, 507 E Michigan St, Milwaukee 2, Wis.
Kieley & Mueller Inc, 2013 43rd St, North Bergen, N. J.
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill.
Minneapolis Honeywell Regulator Co, 2753 Fourth Ave S, Minneapolis 8, Minn.
Minneapolis-Honeywell Regulator Co, Industrial Div, Wayne & Windrim Aves, Philadelphia 24, Pa.
Penn Controls, Inc, Goshen, Ind.
Perfex Corp, 500 W Oklahoma Ave, Milwaukee 7, Wis.
Powers Regulator Co, 3400 Oakton St, Skokie, Ill.
Spence Engrg Co, Inc, Walden, N. Y.
Taco Heaters Inc, 137 South St, Providence, R. I.
Taylor Instrument Cos, 95 Ames St, Rochester 1, N. Y.
Vapor Heating Corp, 80 E Jackson Blvd, Chicago 4, Ill.
Webster, Warren & Co, 17th & Federal Sts, Camden, N. J.

CONTROL SYSTEMS, HEATING, STEAM

Automatic Temperature Control Co, 5233 Pulaski Ave, Phila 44, Pa.

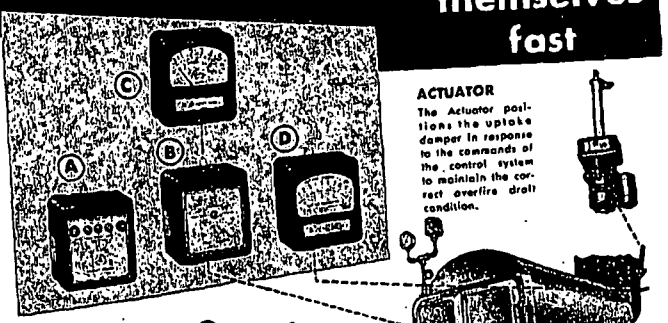
Bailey Meter Co, 1050 Ivanhoe Rd, Cleveland 10, Ohio
Barber-Colman Co, 1300 Rock St, Rockford, Ill.
Barnes & Jones Co, 128 Brookside Ave, Boston 30, Mass.
Bristol Co, Waterbury 20, Mass.
Canton Stoker Corp, 741 Andrews Pl S W, Canton 1, Ohio
Central Products Inc, 306 Sussex Ave, Harrison, N. J.
Cutler-Hammer, Inc, 294 N 12th, Milwaukee 1, Wis.
Defender Instrument & Regulator Co, 819 Clark Ave, St. Louis 9, Mo.
Dunham, C A Co, 400 W Madison St, Chicago 6, Ill.
Foxboro Co, 38 Neponset Ave, Foxboro, Mass.
General Controls Co, Box 3517 Grand Central Sta, Glendale 1, Calif.
Hoffman Specialty Mfg Corp, 1001 York St, Indianapolis 7, Ind.
Illinois Engrg Co, Racine Ave & 20th Pl, Chicago 8, Ill.
Inferno Co, 115 Rieu St, Shreveport, La.
Iron Fireman Mfg Co, 3170 W 106 St, Cleveland 11, Ohio
Johnson Service Co, 507 E Michigan St, Milwaukee 2, Wis.
Kieley & Mueller Inc, 2013 43rd St, North Bergen, N. J.
Leeds Co, 255 Grant Ave, Lyndhurst, N. J.
Mason-Neilan Regulator Co, 1186 Adams St, Boston 24, Mass.
Mercoid Corp, 4201 Belmont Ave, Chicago 41, Ill.
Minneapolis Honeywell Regulator Co, 2753 Fourth Ave S, Minneapolis 8, Minn.
Minneapolis Honeywell Regulator Co, Industrial Div, Wayne & Windrim Aves, Philadelphia 44, Pa.
Penn Controls, Inc, Goshen, Ind.
Perfex Corp, 500 W Oklahoma Ave, Milwaukee 7, Wis.
Powers Regulator Co, 3400 Oakton St, Skokie, Ill.
Ray Oil Burner Co, 1301 San Jose Ave, San Francisco 12, Calif.
Reliance Instrument Mfg Corp, 76 Court St, Brooklyn 1, N. Y.
Serco Co Inc, Empire State Bldg, New York 1, N. Y.
Spence Engrg Co, Inc, Walden, N. Y.
Taylor Instrument Cos, 95 Ames St, Rochester 1, N. Y.
Vapor Heating Corp, 80 E Jackson Blvd, Chicago 4, Ill.
Velocity Steam Production Engrg Co, 38 S Dearborn, Chicago 3, Ill.
Webster, Warren & Co, 17th & Federal Sts, Camden, N. J.

CONTROLLERS, ELECTRIC

Allen-Bradley Co, 1303 S 1st Street, Milwaukee 4, Wis.
Allis-Chalmers Mfg Co, 952 S 70th St, Milwaukee 1, Wis.
American Gasey & Controls Inc, 3621 W Howard St, Skokie, Ill.
Arrow-Hart & Hegeman Electric Co, 103 Hawthorn St, Hartford 6, Conn.
Automatic Switch Co, 391 Lakeside Ave, Orange, N. J.
Automatic Temperature Control Co, 5212 Pulaski Ave, Phila 44, Pa.
Barber-Colman Co, 1300 Rock St, Rockford, Ill.
Bebelan Electric Co, 1 E 53rd St, New York, N. Y.
Bristol Co, Waterbury 20, Conn.
Burlington Instrument Corp, 203 N 3rd St, Burlington, Iowa.
Clark Controller Co, 1146 E 52nd St, Cleveland 10, Ohio
Cleveland Fuel Equip Co, 7316 Associate Ave, Cleveland 9, Ohio
Combustion Control Corp, 77 Broadway, Cambridge 42, Mass.
Control Corp, 718 Central Ave, Minneapolis 14, Minn.
Control Products Inc, 306 Sussex Ave, Harrison, N. J.
Cramin, Hinds Co, Wolf & Seventh N, Syracuse 1, N. Y.
Cutler-Hammer Inc, 294 N 12th St, Milwaukee 1, Wis.
Edison, Thomas A, Inc, Instrument Div, 41 Lakeside Ave, West Orange 3, N. J.
Electric Controller & Mfg Co, 2700 E 79th St, Cleveland 4, Ohio
Electric Regulator Corp, Norwalk, Conn.
Electric Machy Mfg Co, 800 Central Ave, Minneapolis 13, Minn.
Euclid Electric & Mfg Co, Madison, Ohio

PERFEX DRAFT CONTROL SYSTEMS pay for themselves fast

Save Fuel
Save Labor
Save Money



A PROGRAM CONTROL
Opens damper before burner starts, and guides draft control for all firing rates and during "Off" periods. Built-in fused line-switch; burner "on-off" switch; damper "Automatic-Closed" switch.

B DRAFT CONTROL
Measures draft condition in furnace. Causes Actuator to reposition uptake damper. Includes built-in damper "Open Automatic" manual switch.

C DRAFT GAGE
Provides continuous visual check of draft conditions. Simplifies adjustment of Draft Control.

D FLUE GAS TEMPERATURE INDICATOR
Reflects extent to which boiler has absorbed heat. Warns of wasteful conditions, such as fouling baffles, fouled tubes, excessive draft, improper fuel and air ratio adjustments.

ACTUATOR
The Actuator positions the uptake damper in response to the commands of the control system to maintain the correct overfire draft condition.

PERFEX
INDUSTRIAL INSTRUMENTS

Perfex Corporation, Milwaukee, Wis. • In Canada, Perfex Controls Ltd. Guelph, Toronto