COEN COMPANY

COMBUSTION ENGINEERS • DESIGNERS • MANUFACTURERS

OIL AND GAS BURNER EQUIPMENT FOR INDUSTRY

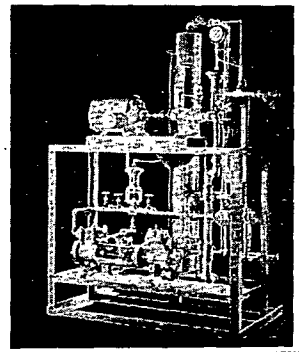
MAIN OFFICE AND PLANT: 40 BOARDMAN PLACE, SAN FRANCISCO 3

Eastern Agents and Warehouse — Coen Burner Sales Co., P.O. Box 7, Union City, New Jersey

AGENTS OUTLETS

Omaha, Neb.	Denver, Colo.	Indianapolis, Ind.	Chicago, Ill.
Newton, Ia.	Los Angeles, Calif.	Boston, Mass.	Salt Lake City, Utah
Houston, Tex.	Philadelphia, Pa.	Atlanta, Ga.	Seattle, Wash.
	Montreal, Can.	St. Louis, Mo.	Portland, Ore.

FUEL OIL PUMPING AND HEATING SET



Coen Model Class A-2 Arrangement "V" 6 GM—Multifilm Heater Insulated and Metal Wrapped

Coen Pump Sets for use with the heavier grades of fuel oil combine pumping, straining, and heating fuel handling steps within one compact unit.

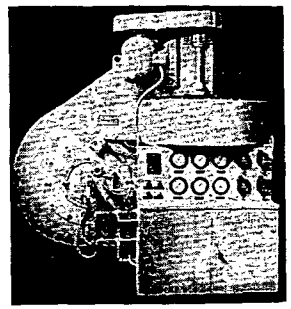
These light weight units are available in two basic classes dependent upon individual service requirements; i.e., standby service or continuous service. Quality features standard for all classes include complete temperature and pressure control, choice of either duplex steam driven pump and/or motor driven rotary pump, and Coen's high capacity, low oil storage Multifilm tubular oil heater.

Continuous classes for continuous service are equipped with Coen duplex suction and discharge strainers, and duplex heaters and pumps thus enabling complete dismantling and cleaning of either pump or heater.

Three standard arrangements are available: horizontal side-by-side or tandem, and vertical.

Write for *Bulletins 14-50* and *30-27A*.

PAC-O-MATIC OIL AND GAS BURNER



Coen Model 750CS4FPH Pac-o-matic Burner—Full Automatic to develop 27,500 PPH steam.

Coen Gas and/or Oil Pac-o-matic burners are designed for complete automatic furnace operation with one single package unit. Engineered and manufactured for individual operation requirements, Coen Pac-o-matic burner units are made for either water tube or fire tube boilers.

Designed for each application, Coen burners allow fuel firing efficiencies not previously possible over so wide a firing range. Pac-o-matics are capable of operating at 10 per cent to 11 per cent CO_2 with gas firing, and 13 per cent to 14 per cent CO_2 with No. 6 oil firing. Automatic slow opening damper and register louver control allow this high efficiency to cover 80 per cent of working turn-down ranges of 8–10 to 1.

Pac-o-matic burners are available in sizes from 1,000 to 20,000 lbs of steam per hour (30 to 900 hp). All are complete with approved flame failure, limit devices & automatic combustion control.

Write for *Bulletin P152*.

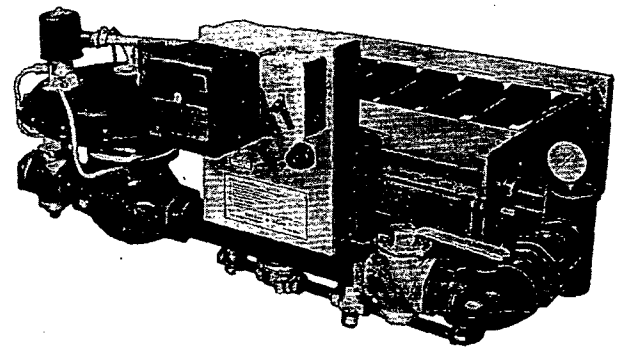
COEN CIRCULAR REGISTER TYPE BURNERS

All standard Coen burners make use of the circular air control register which mixes atomized oil and all necessary combustion air immediately as it enters the furnace through a circular firing throat. It is recommended that the selection of the complete burner consisting of the air control register, oil atomizer and/or gas burner best suited for the individual application, be made only with the recommendation of Coen Company engineers. Write for *Bulletin 48*.

Gordon & Piatt

Combustion Engineering

P. O. Box 331 — Winfield, Kans.



Gordon & Piatt Type "HP" Gas Burner

Type "H" and "HP" Gas Burners are horizontal type burners, consisting of multiple cast iron venturies with flame retention heads, housed in a steel casing, and provided with balanced air louvres, and plain pilots. They may be used with natural, manufactured and liquefied petroleum gases. As this burner assembly consists of a group of heads, it can be supplied in shapes and sizes to fit any job. However, standard sizes for natural gas, ranging from 275,000 to 6,600,000 Btu per hour at 4 in. W.C. gas pressure, are cataloged.

Type "H" and "HP" Burners are designed for use in scotch marine boilers under conditions of natural or induced draft and low gas pressure, or other boilers where a horizontal type of firing is preferred. Type "HP" is fitted with packaged control assemblies for simplified installation.

Gordon & Piatt also manufacture:

Truliradiant vertical gas burners, for natural gas, which consist of multiple cast-iron venturies and port caps with a special refractory cap, manifolded into sizes to fit most fireboxes. It is an atmospheric type burner using natural or induced draft and low gas pressure, 4 in. W.C. to 3 lbs.

Type "G" natural gas burners, which are a multiple, refractory venturie, horizontal burner, specially adapted to standby oil firing; or as special burners to fire kilns, dehydrators or other installations where the burners are subjected to extremely high temperatures. Operates successfully under natural or induced draft conditions in low to intermediate gas pressures.

Various types of pilot burners, panel boards, special burner applications, and miscellaneous gas burner accessories.

Write for catalogs and information.