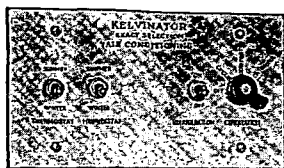


Residential Air Conditioning and Automatic Heating Equipment

25 years of experience in manufacturing controlled temperature appliances is back of Kelvinator's year-round air conditioning and automatic heating equipment. Developed in the Kelvinator Research Residence, it has been proved in hundreds of Kelvin Homes throughout the country. These homes provide new scientific advances in year-round comfort and household conveniences for families of moderate income.

Year-'Round Air Conditioning System. Kelvinator's residential air conditioning system is of the indirect type. The air is heated by a steam coil in the conditioner. Steam is supplied by an automatic boiler. This boiler also furnishes heat to radiators for heating those parts of the house where conditioned air is not required.

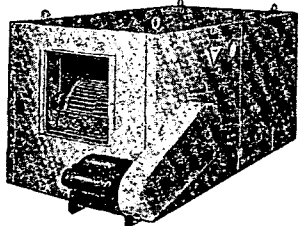


Kelvinator Exact Selection Control Panel assures "Finger-Tip" Selection of Conditions to be maintained.



The illustration shows the automatic oil-fired boiler (left), the air conditioner (above at center), and the condensing unit for summer cooling (inside the small room at right).

The Conditioner. The conditioner contains a heating coil, cooling coil, filter, humidifier and centrifugal fan. Steam for the heating coil is provided by an automatic boiler, and refrigerant for the cooling coil is supplied by a Freon mechanical cooling unit. Heating and cooling coils are provided in a variety of sizes to suit all climatic conditions.

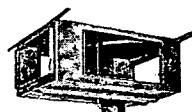


Kelvinator Type RC Conditioner.

The attractively finished conditioner is resiliently mounted and is insulated to insure quiet operation. The operation of the conditioner is automatically controlled by the thermostat in summer, and by the thermostat and humidistat in winter.

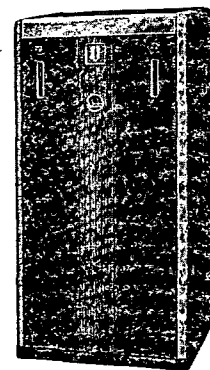
Four sizes with air deliveries up to 2000 cfm provide for conditioning any size home. Multiple units can be used for zoned systems in large residences.

The Comfort Damper. The comfort damper, controlled by the Selector, permits outside air to be brought to the conditioner, filtered and circulated throughout the house. Mechanical cooling load is reduced and operating costs are cut in summer through the introduction of cool, night air and discharge of warm air.



The comfort damper takes full advantage of the coolness of night air.

Controls. Kelvinator residential air conditioning features the finger tip Exact Selection control. However, desired temperature and humidity may be automatically maintained with the thermostat and humidistat. Beside these a conveniently located Selector panel contains switches by which conditions to be maintained may be selected. Simply placing the three toggle switches in the up position establishes the system in summer operation; placing them in the down position selects winter operation. The rotary switch provides for (1) a completely off position for the air circulation system; (2) a position in which the air circulation cycles under control of the thermostat; (3) comfort position which controls the comfort damper, stopping recirculation and allowing the introduction of 100 per cent outside air circulation. With this Selector it is not necessary to call a service man to change from summer to winter or winter to summer operation.



Kel-O-Flame Oil-Fired Boiler.

Oil-Fired Unit Boilers. The Kel-O-Flame oil-fired unit boilers are provided in a range of capacities from 103,000 Btu/hour to 252,000 Btu/hour to efficiently meet the automatic heating requirements of small as well as large residences. Employing a completely coordinated burner design with a balanced heat-absorbing element, the Kel-O-Flame unit boiler has set a new standard of performance and efficiency.

The specially designed burner produces a quiet, non-luminous flame in direct contact with the primary surface of the boiler. Finned secondary heating surfaces extract the remaining usable heat from the flue gases. The low water line permits its installation in low-ceiling basements. Jacket is thoroughly insulated with asbestos cell. All working parts are easily accessible for adjustment or service.

Each unit is complete with fully automatic controls, including a low-water cut-off for steam boilers, safety stack switch, safety limit control, summer hot water control, and for hot water boilers a circulator relay and flow control valve. Provision is made for automatically supplying domestic hot water summer and winter.

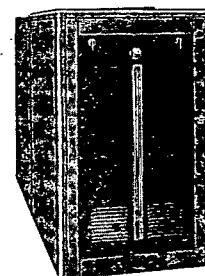
As the boilers are entirely factory-built, hazards of field assembly and installation are eliminated.

Gas-Fired Unit Boilers. Six sizes, for hot water or steam heating, are available, capacities up to 294,000 Btu/hour.

Quick steaming is achieved by the use of special venturi mixing throats interconnecting with diamond-shaped horizontal water tubes. Heat transfer surfaces are unusually large in proportion to water content of the boiler, frictional resistance within the boiler is materially reduced.

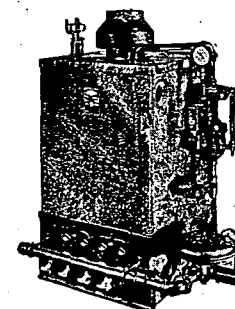
Dependable operation of pilots and burners is assured by a special down-draft diverter, which constantly regulates the draft through the boiler. An automatic combination valve supplies gas, under constant pressure whenever the thermostat calls for heat.

Jacket is fully insulated. Complete automatic control equipment is provided, including a low-water cut-off, automatic electric or gas-failure shut off, and an electric limit control.



Kelvinator Oil-Fired Conditioner.

Oil-Fired Conditioner. 4 lines with capacities from 100,000 Btu/hour to 250,000 Btu/hour. This conditioner filters, heats, humidifies and circulates the air to accomplish complete winter air conditioning, and to provide automatically a more comfortable atmosphere in the home. Kelvinator Conditioners are appropriate in their size and appearance for any home requirements. Completely factory-built for high efficiency and low operating cost.



Kelvinator Gas-Fired Unit Boiler.