

L. J. Mueller Furnace Co.

ESTABLISHED 1857

2009 W. Oklahoma Avenue, Milwaukee, Wis.

CLIMATOR AIR CONDITIONING SYSTEMS

In the illustration is shown a Mueller Climator installation designed to handle all functions of both winter and summer air conditioning.

During winter, the circulated air is warmed by a heating unit specially designed for the fuel to be used, coal, oil or gas. Controlled humidity is supplied by the air washer. Removal of air-borne impurities is accomplished by the filters. Adequate circulation, uniform temperature and silent air distribution is secured by the fan.

In summer, temperature reduction and dehumidification is secured by Frigidaire refrigerating equipment, the cooling coils being enclosed within the washer housing. Compressor may be located adjacent to the equipment, or in any desired location.

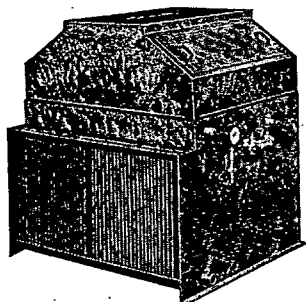
Where cooling and dehumidification is omitted, arrangement may be such that it may be added at a later date without change in equipment. If no provision for refrigeration is desired, a somewhat smaller washer is employed, and a more compact assembly may be secured.

The air conditioned in the Climator system is distributed to all rooms through ducts and discharged through small overhead registers. Individual returns from each room secure perfect balance.

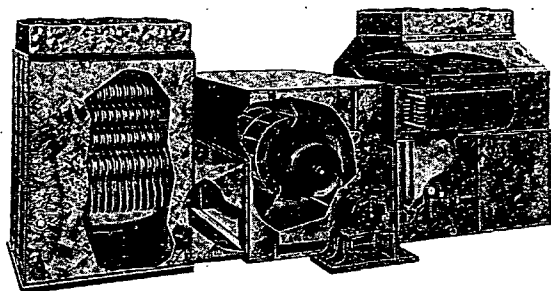
Catalog and detailed information furnished upon request.

Climator III Unit

This unit is a fan, filter and washer in a single casing finished in green prismatic lacquer. It may be connected to any type warm air furnace, new or existing installations. It will pass through an opening 27½ in. wide. The return air duct, recirculating air from the rooms, connects directly to the unit, the only method by which an efficient, balanced installation can be secured. Fan is of adequate capacity to secure positive air delivery against resistances encountered through ducts, washer and filters. Made in one size only, with rated c.f.m. to 2,250, and adjustable speed driving pulley for adjustment to requirements.



Climator III Unit



Climator Year Round System

Parks-Cramer Company

Fitchburg, Mass.

Charlotte, N. C.

CERTIFIED CLIMATE

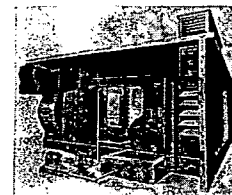
Complete Air Conditioning Systems including Heating, Cooling, Humidifying, De-humidifying, Ventilating, Refrigeration, Air Filtering and Air Washing

AUTOMATIC REGULATION

Industrial Heating by Oil Circulation with Merrill Process

Industrial Air Conditioning

Helps in many industries, notably, Textiles (Cotton, Wool; Worsted, Silk, Rayon, Jute); Printing and Lithographing; Cigar, Cigarette and Tobacco; Clothing; Paper and Envelope; Leather and Shoes; Wood Products; Cereals; Storage of Perishables; Ceramics; Celluloid; Glassine Paper; Starch and Dextrine; Cement. Installations similar in design are effective in Hospitals, Art Galleries, Auditoriums and Restaurants.



Central Station

Automatic Regulation

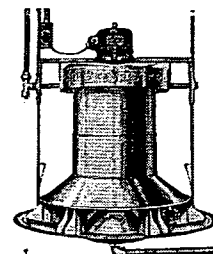
The Psychrostat for accuracy, durability, sensitivity. Hygrostat (not illustrated) where requirements are not so exacting. Psychrostat uses the Principle of the Sling Psychrometer. U. S. Government uses Sling Psychrometer in all Weather Bureau Stations. An Air Conditioning System is no better than its Regulation.



Psychrostat

Central Station Air Conditioning

A centrally located apparatus supplying maximum moisture needed with positive pre-determined air change. Usually includes indirect radiation for heating—may include refrigeration and cooling. All air is washed. Automatic Regulation essential. While initial and operating costs are high, this absolute and centralized control of Certified Climate is often desirable;—sometimes essential.



High Duty Humidifier

High Duty Humidifier

Water under pressure generates spray. Excess water returns to filter tank and recirculated. Evaporation per unit high; two sizes of heads each with two sizes of nozzles give flexible capacity for varying conditions. Circulation increased by individual motor-driven fan. Spray thoroughly diffused and distributed over wide area.

Centrifugal Humidifier (Not Illustrated)

Water without pressure. Fine spray.

The Mistifier

A mechanical humidifier made according to same high standards as Parks Certified Climate devices but refined for home and office use. Quiet and automatic—not a toy. Inexpensive to operate;—wastes no water. Uses little electric current. Permanently though flexibly connected to water supply without expensive plumbing. Safeguards health. Increases comfort. Raises effective temperature during heating season, lowers it during dry non-heating season.



Mistifier

Unit Air Conditioner (Not Illustrated)

Principle similar to Mistifier but for larger spaces, or may be made part of basement installation.