

The MOUAT VAPOR HEATING SYSTEM



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MOUAT VAPOR HEAT

*A Better System
for Homes and
Buildings*



Manufactured by
THE MOUAT VAPOR HEATING CO.
CLEVELAND, OHIO

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INTRODUCTION

Both the comfort and economy of any heating system depends upon responsiveness and flexibility. Comfort demands that heat be available quickly. Convenience demands that it require minimum attention.

Both steam and hot water heating are comparatively unresponsive and inflexible. They cannot be controlled to meet sudden changes in temperature.

The MOUAT is a vapor system—a *true* vapor system, not a vacuum vapor, modified steam or any other of the so-called vapor systems. It is the most simple, natural and scientific system yet devised. It combines comfort with economy to a degree greatly surpassing the other more complicated and expensive systems in common use.

Utmost control—instant adaptation to the most sudden climatic changes—these are the outstanding features of the MOUAT System. It

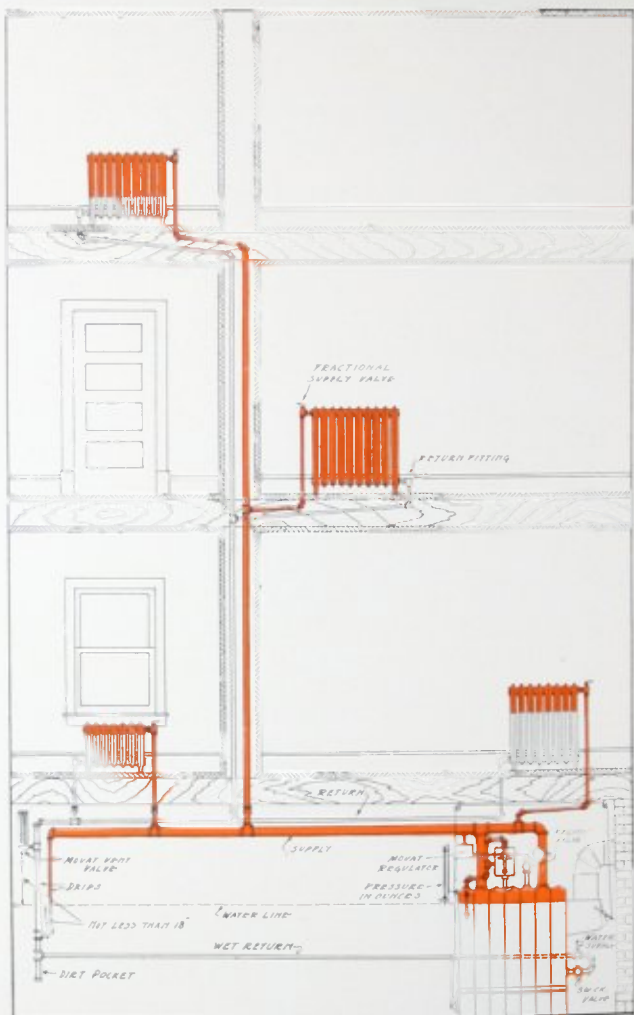


Illustration of the Mouat Graduating Vapor Heating System, showing how heat in radiators can be graduated as desired

does not rely upon complicated and expensive makeshifts to correct a faulty heating principle. It uses a scientifically correct principle to start with.

The MOUAT System requires a minimum of attention. No expert knowledge is needed to operate it. It has given perfect results for nearly fifteen years in better-class homes, apartments and offices. In most cases there has been no expense for repairs.



Radiator showing convenient location of the Radiator Valve

The MOUAT System

The MOUAT System has several distinct advantages over all other methods of heating. It is a two-pipe gravity vapor, or atmospheric steam, heating system operating at from one-half to three *ounces* pressure.

Simplicity of operation and absence of complicated mechanically operated parts are its distinguishing features. It permits a natural and rapid circulation of heat through the radiators without either vacuum or high pressure. Pumps, thermostatic valves, return traps, receiver floats, expansion tanks and other intricate apparatus are unnecessary.

The MOUAT System permits a positive hand control of heat at each radiator and makes it possible to regulate accurately the temperature in each room. This is accomplished by partially opening or closing the radiator supply valve and allowing only a portion of the radiator to become heated.

Heat Control



The MOUAT Fractional Radiator Supply Valve gives absolute control at the radiator. The valve is easily adjusted to suit the requirements of the radiator to which it is connected.

The MOUAT System has a sensitive automatic regulation of boiler drafts and produces a constant uniform supply of vapor at an extremely low pressure. The MOUAT Damper Regulator is a simple but effective device which conserves fuel, prolongs the periods between firing and causes a low chimney temperature. In view of the prevailing high cost of fuel this saving is an important asset.



Mouat damper regulator, Mouat Vapor pressure gauge
and Vapor safety valve connected to a
standard sectional heating boiler

Scientific Features

The MOUAT Damper Regulator is controlled by the pressure of the boiler and automatically regulates the drafts. It will maintain a pressure of from one to three ounces, and is sufficiently sensitive to operate at a variation of less than one ounce. The working parts of the regulator are connected above the water line of the boiler and are unaffected by a high or low water line or the variations of an unsteady water line. No water can be forced out of the boiler through the regulator. It can be used to reduce steam pressure to vapor pressure or to control heating plants.



Pressure Gauge



Main Vent

The **MOUAT** Vapor Pressure Gauge indicates the ounces of pressure by the water elevation in a glass tube. It is absolutely reliable at all times.

The **MOUAT** Main Vent or Air Relief Valve is provided with properly proportioned venting area. It has no thermostatic, mechanically operated or float parts.

High Quality

The high quality of the MOUAT Vapor System is indicated by the character of the homes and buildings in which it is used. The MOUAT is almost always purchased on a non-competitive basis because of its established reputation.

We co-operate with architect, engineer, heating contractor or owner, giving to each all necessary information in regard to planning, installing, and operating a MOUAT Vapor Heating System, thus insuring absolutely satisfactory results.

If you contemplate installing a new heating plant, or remodeling an old one, and desire further information about the MOUAT, a communication with us will receive prompt and careful attention.



The MOUAT Return Fitting is a specially designed water seal, with a by-pass for air and provision for drainage to prevent freezing.

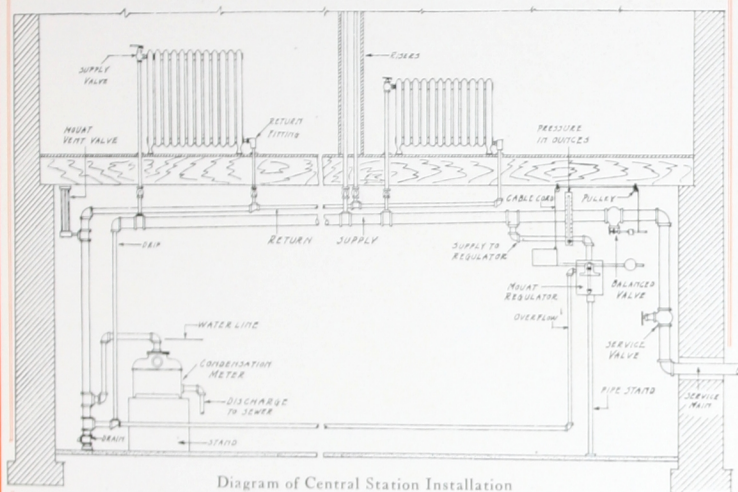


Diagram of Central Station Installation

Remarkable Adaptability

The MOUAT System can be operated in conjunction with any standard steam heating boiler equipped for burning coal, coke or gas. It can also be used with central station steam supply. No special radiators are needed—ordinary hot water or steam radiators may be used. Radiator heating plants already installed may be changed to MOUAT Vapor Heat.

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