

MUELLER CO.

Decatur, Ill.

BRANCHES

E. 135th St. and Walnut Ave., Bronx, New York 1072-76 Howard St., San Francisco 2468 Hunter St., Los Angeles
901 McKinney St., Dallas, Texas

PRODUCTS

Mueller Automatic System of Hot Water Heat Control

Reducing and Regulating Valves for water.
Reducing and Regulating Valves for steam.
Relief Valves. Water Strainers.

Complete line of High Grade Plumbing Brass Goods

Mueller Automatic System of Hot Water Heat Control—This is a closed system operating automatically without an expansion tank. It can be quickly installed on either new or old jobs.

The water in the system is always kept fresh. This promotes good circulation. Just enough water is admitted by the reducing valve to supply the amount released by the relief valve.

A very considerable saving in fuel is effected due to the automatic control of dampers and rapid circulation.

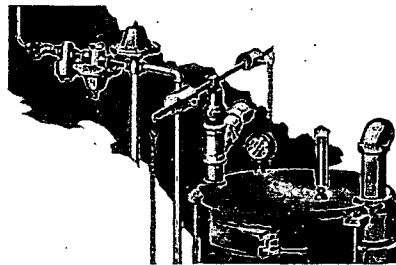
Perfectly safe as both reducing valve and relief valve are operated by the pressure of the water in the system. These valves are especially constructed and tested for use on this system.

The reducing and relief valves are positive in action and durable, the working parts being made of bronze with phosphor bronze diaphragms.

Boiling point of water raised to higher point than with open system.

The damper regulator is a very important part of this system as it is not only a fuel saver but also is a safety feature, checking the fire when the desired temperature is reached.

The Mueller System can be readily used with a thermostatic control, operated by a motor in the basement. Mueller positive control of pressure in the system assures permanent safety.



Reducing and Regulating Valves—For steam, water, air, gas, oil, etc. All are diaphragm operated and positive in action. Their reputation for sustained accuracy is known wherever regulating valves are used.

Brass Goods—Everything in the line of brass faucets, stops, etc., for lavatory and bath room, and also complete line of laboratory faucets adopted and approved by leading universities such as the Massachusetts Tech.

Relief Valves—Mueller Relief Valves are absolutely dependable. They have been approved by the National Board of Boiler and Pressure Vessel inspectors and correspond to the code of the American Society of Mechanical Engineers. Tests in the Underwriters' Laboratories have proved the Mueller Relief Valve safe.

Mueller Co. has been in business from 1857 and has an acknowledged reputation for quality goods.

Specific information regarding any Mueller product will be cheerfully given upon request.

Neptune Meter Company

50 East 42nd Street

New York, N. Y.

Branch Offices

ATLANTA, GA. 1172 Virginia Avenue
BOSTON, MASS. 141 Milk Street
CHICAGO, ILL. 130 N. Jefferson Street
DENVER, COLO. 1700 15th Street
LOS ANGELES, CALIF. 701 E. Third Street
PORTLAND, ORE. 474 Glisan Street
SAN FRANCISCO, CALIF. 320 Market Street
ST. LOUIS, MO. 1912 Pine Street
NEPTUNE METER CO., LTD., 345 Sorauren Avenue, Toronto, Ont.

PRODUCTS—Red Top Relief Valve, Model No. 2, the basis of your own closed hot water heating system, and for protecting hot water heating systems against boiler explosions, cracked boiler sections, and other ruptures.

Red Top Relief Valve, Model No. 1, for protecting range boilers, tank heaters, piping and fixtures in domestic hot water supply systems against dangerous pressures.

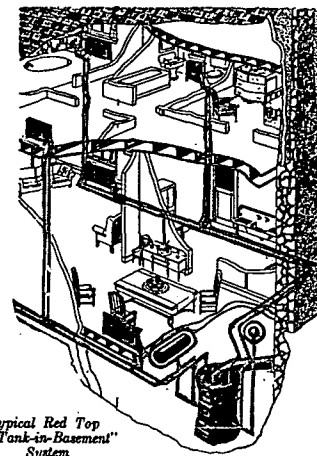
Red Top "Tank-in-Basement" (or Pressure System) of Hot Water Heating

A No. 2 Red Top Relief Valve, and any air-tight tank of good make are the only two special parts required for the most efficient, low-cost system of hot water heating.

The illustration shows a typical Red Top System in a two story residence. The air-tight tank—which gives a cushioning effect that promotes rapid circulation—is placed in the basement where it belongs. Since the hot water circulation is more rapid, smaller piping and less radiation surface may be used.

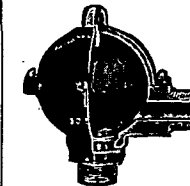
For a "closed" system the following sizes of air-tight expansion tank are suggested:

Up to, 500 ft. rad., 15 gal. tank 12 in. diam. x 30 in. long
500 to 800 ft. rad., 21 gal. tank 12 in. diam. x 42 in. long
800 to 1200 ft. rad., 26 gal. tank 12 in. diam. x 54 in. long
1200 to 1600 ft. rad., 42 gal. tank — diam. — long



Typical Red Top "Tank-in-Basement" System

Red Top "Tank-in-Basement" Systems Offer These Advantages:



Sectional View, Model No. 2, Red Top Relief Valve

1. No more cracked boiler sections or other costly ruptures due to excessive pressures.
2. No more frozen overflow pipes, or corroded and clogged expansion tank outlets.
3. More efficient heating due to faster circulation of hot water—twice as fast as in old type overhead gravity systems.
4. Water, returning to the boiler at a higher temperature, requires less reheating.
5. Fuel is saved—frequently as much as 20%.
6. Less firing—saving labor.
7. Expansion tank is in basement. It does not take up usable space in some other part of house.
8. No waste of water from system. No water can leave until the pressure reaches the danger point, when water is automatically released by the Red Top Relief Valve.
9. Very moderate in cost. Easily applied when the heating plant is installed.
10. Old systems can be changed over to the Red Top with little trouble and small cost.
11. First, last and always a safe system—protecting property and life from dangerous rising pressures.

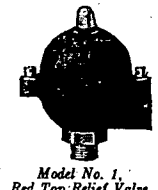
Approved by Underwriters

Red Top Relief Valves, both Model No. 1 and No. 2, are approved by the Underwriters' Laboratories, and by state and municipal bureaus of water and boiler inspection.

Red Top Relief Valves act on the dead weight or gravity principle. In Model No. 2, a special nickel weighted piston is lifted off its seat when pressure reaches 30 lb. Non-corrosive metal is used throughout. No springs, levers, diaphragms or other complicated parts to get out of order. Made for either "open" or "closed" systems. Model No. 2 is 6 3/4 in. high, 5 3/4 in. wide, with inlet and male outlet threaded for standard 1 in. fittings.

Model No. 1 For Domestic Hot Water Supply

Protects domestic hot water supply and prevents range boiler explosions and other ruptures. Made with inlet threaded for standard 3/4 in. pipe fitting and outlet drilled and tapped for 3/4 in. connection. May be adjusted to relieve automatically at 50, 75, 100 and 130 lb. pressure. Model No. 1 is 4 3/4 in. high and 4 in. wide.



Model No. 1, Red Top Relief Valve