

Mueller Co.

Decatur, Illinois

Branches

NEW YORK

SAN FRANCISCO

DALLAS

CHICAGO

Heating System

Service—The Mueller H-9500 Heating System is designed to automatically supply water to hot water heating boilers and to automatically discharge water should the pressure approach a danger point or boiler guarantee. The damper control affords automatic draft with reduced fuel consumption and more even room temperatures. The entire unit lends itself to clean, efficient and safe heating without fear of forgetfulness or carelessness, both of which, as human elements, are destructive and dangerous.

Size—The Mueller Heating System is made in 1/2" size only and is adapted for any job up to and including three stories in height or comprising less than 15,000 sq. ft. radiation.

Construction—All valves have removable seats of bronze with special composition seat disc and with phosphor bronze diaphragm, which are extremely resistant to corrosion and high temperature. All valve working parts are of bronze with close fitting joints and without sediment collecting pockets. The large sediment collecting chamber with inverted wire screen basket prevents any particle of sand, pipe scale, or chips entering valves and interfering with their operation.

Engineers and contractors will recognize the dependability of the Mueller Heating System because careful designing as a result of many years experience have eliminated:

- (1) Rubber or solder joint in diaphragm;
- (2) Soft and easily corroded seat disc;
- (3) Possibility of creating excess pressure;
- (4) Sediment or lime collecting pockets;
- (5) Complicated valve mechanism;
- (6) Corrosive metal working parts;
- (7) Close fitting guides or guide rings;
- (8) Working parts which cannot be easily replaced.

The big Mueller Heating System is designed correctly with proper diaphragm area for long and dependable service.

Regulator

Service—The Mueller H-9000 Pressure Reducing and Regulating valve is suitable for hot or cold water and air. It is especially adapted for residence, building, apartment and industrial service.

Sizes—1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2" and 2 1/2".

Construction—The H-9000 valve is made entirely of brass and bronze. The full seat opening insures a full volume of water even at the reduced pressure.

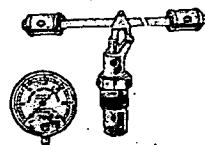
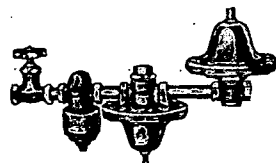
Valves are regularly stocked for initial pressures up to 250 lb. and delivery pressures from 20 to 75 lb. All valves are set at 45 lb. unless otherwise specified.

Relief Valve

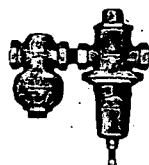
Service—The Mueller H-9045 is designed to relieve dangerous and excess pressures. It is particularly adapted to hot or cold water installations but will serve equally as well on air or oil.

Size—1/2" size only with 3/4" outside thread inlet; 1/2" inside thread outlet.

Pressure Range—Valves are carried in stock set at maximum relief pressures of 50, 75, 100, 125 and 150 lb. Valves can be supplied set at any pressure between 50 and 150 lbs. upon request. To insure prompt delivery order stock valves.



H-9500



H-9000



H-9045

H. A. Thrush & Company

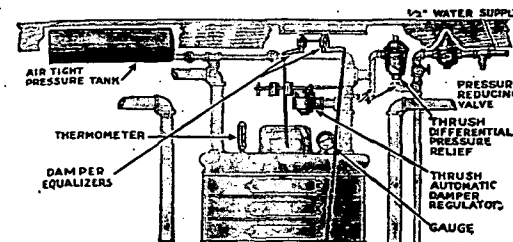
Thrush
Differential
Pressure
Relief

Automatic
Dual Control
Unit

Makers of Thrush Systems
Factory and Offices
Peru, Ind.

Thrush
Electric Water
Circulator

Thrush
Automatic
Damper
Regulator



Thrush System comprises equipment to be added to any unregulated gravity Hot Water Heating plant to make it a "Closed System" operating under additional pressure and with automatic control of dampers. It increases heat transmission and reduces fuel consumption. It is made in four types as listed below.

DATA and SPECIFICATIONS

Class AA Equipment consists of Thrush Differential Pressure Relief Valve, Automatic Temperature Damper Regulator, Pressure Reducing Valve, Copper Bearing Steel Pressure Tank and special Gauge and Thermometer. It is automatic filling.

Reducing Valve, Copper Bearing Steel Pressure Tank and special Gauge and Thermometer. It is automatic filling.

Class A Equipment

This is the same as Class AA Equipment except that it has no Pressure Reducing Valve for automatic filling.

Class B Equipment

Same as above except that it does not have Pressure Reducing Valve for automatic filling.

Sizes:

- Size No. 0 up to 350 sq. ft. of radiation
- Size No. 1 up to 700 sq. ft. of radiation
- Size No. 2 up to 1200 sq. ft. of radiation
- Size No. 3 up to 2000 sq. ft. of radiation

Class BB Equipment

Consists of Thrush Differential Pressure Relief, Pressure Reducing Valve, Copper Bearing Steel Pressure Tank and Special Gauge and Thermometer.

Automatic Dual Control Unit

An inexpensive heating system for competitive job. The Automatic Dual Control Unit may be used for small to medium sized hot water heating plants, easily and economically, by merely installing the Dual Control Unit in the water supply line. Furnished with strainer.

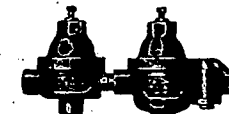


Fig. 2

Thrush Differential Pressure Relief



Fig. 3

This valve is designed with large valve area and has a capacity for relieving excess pressure for both large and small installations. The valve seat is submerged in water, so designed that corrosion or sediment accumulation is prevented. It is always Safe. (Tapping 3/4 in.)

Thrush Automatic Temperature Damper Regulator

The operation of this Regulator depends upon the temperature change of the water circulating through the heating system and not upon pressure. Easily installed and very efficient. (Tapping 1 1/2 in.)



Fig. 4

Thrush Electric Circulator

Here is a method of assuring positive circulation on any Hot Water Heating job. The Thrush Electric Circulator will pay for itself in less than one season in fuel saving.

Highly recommended for oil and gas fired boilers, also for greenhouses, garages, apartments, store buildings, works perfectly with blower units. Cheaper to install than low pressure steam, vapor or vacuum vapor jobs. 110 or 220 A.C. 60 cycle motor for light or power line. Low operating cost. Any type motor shipped from stock.

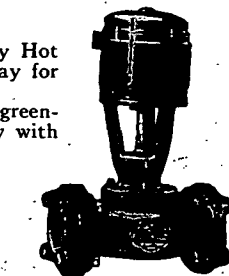


Fig. 5

Tapping	Gallons Capacity	Radiation Capacity	Price
No. 15—1 1/2 inch	15 per minute	1000 sq. ft.	\$ 90.00
No. 22—2 inch	30 per minute	2500 sq. ft.	131.25
No. 23—3 inch	70 per minute	6000 sq. ft.	150.00