

The Fulton Sylphon Company

NEW YORK
Hudson Terminal Bldg.
50 Church Street
PHILADELPHIA
Drexel Bldg.
4th and Chestnut Streets

Knoxville, Tennessee

SALES OFFICES:

DETROIT
General Motors Building
REPRESENTATIVES IN ALL PRINCIPAL CITIES

CHICAGO
Wrigley Bldg.
Michigan Boulevard
BOSTON
Federal Bldg.
136 Federal Street

Patentees and manufacturers of Sylphon products. Sylphon Automatic Air and Vent Valves; Packless Expansion Joint; Thermostats for regulating temperatures of homes by warm air furnaces, steam, vapor or hot water boilers; Temperature and Pressure Regulators, Temperature Regulating Radiator Covers; and other Heating Specialties.

Advantages

All Sylphon devices embody the seamless, one-piece bellows of drawn metal shown at right. There is not a bit of solder throughout its length—no chance for leaks or breaks. It is a feature found exclusively in Sylphon Products. Sylphon diaphragms or bellows are made in sizes ranging from 1½ to 12 in. O. D.



No. 410 Sylphon Air Line Valve

An automatic, non-adjustable air line valve that will silently expel air and condensation, but close against steam. Has as its basic principle the Sylphon thermostat, which will quickly and effectively distinguish between steam and air, freely allowing the air and condensation to pass, but preventing the passage of steam. This means that every inch of radiating surface becomes 100 per cent efficient. Ask for Bulletin RRAV-3.



Cut Open View

SPECIFICATION—All radiators to be equipped with Sylphon Air Line Valves known as (either No. 410 or No. 410-A), as manufactured by The Fulton Sylphon Company, Knoxville, Tenn.

No. 510 Sylphon Vent Valves for Primary Heating Coils

For venting air from large heating coils used in stacks and in indirect heating with fan blowers, where low-pressure steam is used. Venting port ¾ in. dia. Has a powerful Sylphon bellows as thermostat which closes valve immediately steam reaches it. Does not close against water. Can be installed in any position. Made entirely of cast brass; ruggedly constructed. Ask for Bulletin RRAV-3.



SPECIFICATION—Heating Coils, where shown on plans, shall be vented with No. 510 Sylphon Vent Valves as manufactured by The Fulton Sylphon Company, Knoxville, Tenn., and installed in accordance with instructions furnished by the manufacturer.

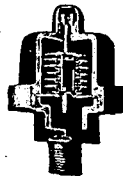
Sylphon

No. 527 Quick Vent Valve

For venting mains, long runs of pipe, indirect stacks, drop risers, and all low-pressure steam jobs where a large amount of air must be expelled quickly. Contains

Sylphon bellows as thermostat. Vents entire piping system and thereby heating radiators quicker under less pressure. No adjustment. Does not close against water. Venting port ¼ in. diameter. Valve connection ¾ in. pipe thread. Ask for Bulletin RRAV-3.

SPECIFICATION—The ends of long runs of pipe, risers or loops shall be vented with a No. 527 Sylphon Quick Vent Valve, as manufactured by The Fulton Sylphon Company, Knoxville, Tenn.



Cut Open View

No. 110 Sylphon Packless Expansion Joint for Low Pressure Steam Heating Risers

The Sylphon Packless Expansion Joint eliminates all packed type expansion joints, scissors, swing loops and similar devices generally used in installing low pressure steam heating risers. The pipe movement is taken up in the joint by the expansion of a Sylphon bellows so utilized as to provide a continuous sealed line.

Sylphon Packless Expansion Joints are designed for use on steam pressures up to 15 lb. per sq. in., but may be temporarily subjected to steam pressures up to 25 lb. per sq. in. They should never be tested with steam pressures in excess of 25 lb. per sq. in., or water pressures in excess of 50 lb. per sq. in.

Sylphon Joints should be located near the floor or ceiling. If concealed in walls, access doors or removable panels should be provided. It is important to install them with the end marked "top" in the correct position. Piping should be installed in a true vertical position, but the guides on the outside casing insure correct alignment, and prevent torsional or eccentric strains on the Sylphon bellows. Ask for Bulletin RREJ-100.



No. 110

Principal Dimensions, Pipe Sizes and List Prices No. 110

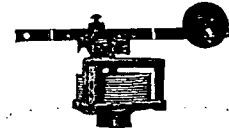
Pipe size, in.	¾	1	1¼	1½	2	2½	3
Lengths:							
A—Extended	12	11½	11¼	11	10½	10	9½
B—Compressed	10½	10	9½	9	8½	8	7½
D—Width	3½	3¾	4	4½	5	5½	6
E—Installed	11¼	11	10½	10	9½	9	8½
Shipping wt., lb.	15	15	18	25	35	50	60
List prices	\$12	12	14	16	20	23	27

*Using 1 in. joint fitted with face bushings.

SPECIFICATION—Install where shown on riser plans No. 110 Sylphon Packless Expansion Joint, as manufactured by The Fulton Sylphon Company, Knoxville, Tenn., with end marked "top" in proper position; the joint to be of — in. pipe size and for steam (water) pressure of not over 15 lb. (50 lb.) per sq. in.

No. 22 Steam Damper Regulator

Used to control the dampers on steam heating boilers. A simple, accurate regulator which will control the draught so as to maintain a constant steam pressure up to 5 lb. This regulator is sensitive, positive in action and will last a life time, due to the Sylphon one-piece, seamless, solderless, flexible metal bellows which it contains as diaphragm. Ask for Bulletin RRDR-8.



SPECIFICATION—The boiler shall be equipped with a No. 22 Sylphon Steam Damper Regulator, as manufactured by The Fulton Sylphon Company, Knoxville, Tenn., and installed in accordance with instruction of the manufacturer.

No. 22-J Steam Damper Regulator

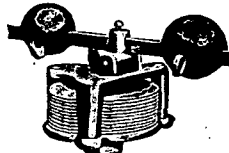
This Regulator is identical in construction with No. 22 except that it contains a smaller Sylphon bellows as its diaphragm and is therefore suitable for small steam boilers or those having light dampers which do not require much power for their operation. Will maintain a constant steam pressure up to 8 lb. gauge. Ask for Bulletin RRDR-8.



SPECIFICATION—The boiler shall be equipped with a No. 22-J Sylphon Steam Damper Regulator, as manufactured by The Fulton Sylphon Company, Knoxville, Tenn., and installed in accordance with instructions of the manufacturer.

No. 924 Steam Damper Regulator

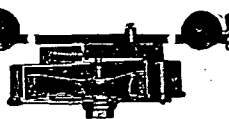
For low pressure steam boilers where extra sensitiveness and greater power are required to operate the damper. Is identical in construction with No. 22 except that it contains a larger Sylphon bellows as its diaphragm, and distance between rocker pivot and plunger pivot is greater. Will operate with pressures up to 3 lb. gauge. Ask for Bulletin RRDR-8.



SPECIFICATION—Boiler shall be equipped with a No. 924 Sylphon Steam Damper Regulator as manufactured by The Fulton Sylphon Company, Knoxville, Tenn., and installed in accordance with instructions of the manufacturer.

No. 925 Vapor Damper Regulator

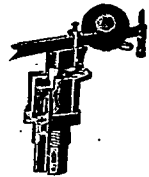
Specially designed to control dampers on boilers used with vapor heating systems. Extremely powerful and sensitive. Has extra large flexible Sylphon bellows as diaphragm. One ounce change in vapor pressure produces a 6¼ lb. force to open or close damper. Operates from 2 ozs. to 1 lb. gauge, perfectly smoothly and will not "butter" under any condition. Ask for Bulletin RRDR-8.



SPECIFICATION—The boiler shall be equipped with a No. 925 Sylphon Vapor Damper Regulator, as manufactured by The Fulton Sylphon Company, Knoxville, Tenn., and installed in accordance with instructions of the manufacturer.

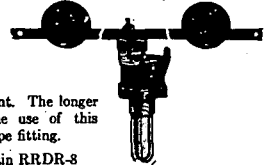
No. 45-A Hot-Water Damper Regulator

Used to control the dampers on hot-water heating boilers. Contains Sylphon Bellows as diaphragm. A simple, accurate regulator which will control the draft so as to maintain a constant temperature of the water at any point between 120 deg. and 220 deg. Fahr. Prevents the temperature of the water from rising higher than necessary. Installed on domestic hot-water heaters, insures faucet water of even temperature every hour of the day. Prevents the generating of steam in the system, thus eliminating disagreeable sputtering and blowing-off when faucet is open. Ask for Bulletin RRDR-8.



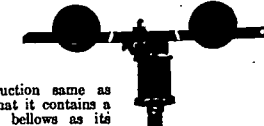
No. 45 Hot-Water Damper Regulator

Same as No. 45-A except bulb is 4 in. instead of 2 in. long and rocker does not have adjustment. The longer bulb permits the use of this regulator in a pipe fitting. Ask for Bulletin RRDR-8.



No. 46 Hot-Water Damper Regulator

This regulator with bulb 1 in. long, is designed especially for small hot-water-heating boilers, or those having light dampers, also, domestic hot-water supply heaters. Construction same as No. 45 except that it contains a smaller Sylphon bellows as its diaphragm, as it requires less power to operate the light dampers of such heaters. Also suitable for laundry heaters, garbage burners, garage heaters, etc. Ask for Bulletin RRDR-8.



SPECIFICATION—(Boiler, heater, or tank heater shall be equipped with a No. (45, 45-A, 45-B or 46) Sylphon Hot-Water Damper Regulator, as manufactured by The Fulton Sylphon Company, Knoxville, Tenn., the regulator to have a temperature range of (specify temperature range. No. 45 and 45-A have temperature range of 120 deg. to 220 deg. Fahr.; No. 45-B has temperature range of 100 deg. to 200 deg. Fahr.; No. 46 has temperature range of 130 deg. to 200 deg. Fahr.) and to be installed in accordance with instructions furnished by the manufacturer.

Nos. 42, 43, 44, Hot-Water Damper Regulators

These regulators are used where conditions require size instead of direct connections. The hot-water circulates around an inner bulb containing a volatile liquid, which in turn causes the Sylphon bellows to expand or contract as the temperature of the water rises or falls, thus closing or opening the draft dampers. Ask for bulletin RRDR-8.



SPECIFICATION—(Boiler heater or tank heater) shall be equipped with a No. (42, 43, or 44) Sylphon Hot-Water Damper Regulator, as manufactured by The Fulton Sylphon Company, Knoxville, Tenn., the regulator to have a temperature range of (specify—No. 42 controls from 120 deg. to 180 deg. Fahr.; No. 43 from 160 deg. to 220 deg. Fahr.; No. 44 from 190 deg. to 240 deg. Fahr.) and to be installed in accordance with instructions furnished by manufacturer.