# Julien P. Friez & Sons, Inc.,

**(A Subsidiary of the Bendix Aviation Corporation)**

**Baltimore, Maryland, U. S. A.**

**Established 1876**

**Manufacturers of a Complete Line of Automatic Electric Controls for Industrial and Comfort Applications. Also a Complete Range of Recording and Accurate Measuring Instruments for Indoor and Outdoor Applications**

**New and Advanced Products for the Coming Year, Ready for Delivery**



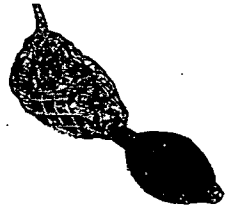
**Humidistat,** new model of standard "hair-trigger" control, employing the famous Friez human hair element for controlling humidity for either comfort or industrial purposes.

**Comfortrol,** a temperature control integral with a humidity sensitive element which automatically varies the temperature setting to conform to the needs of changing humidity for human comfort. Unique and exclusive effective temperature control.

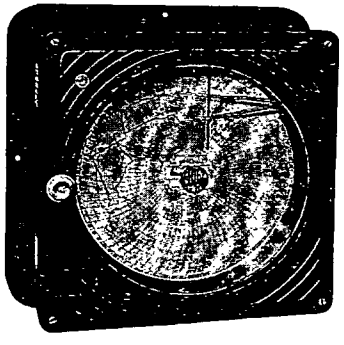


**Windowstat,** a humidity control device for location indoors at the window. It maintains humidity, in any humidity system, just below the condensation point, thus preventing frosting before it begins.





**Hand Aspirated Psychrometer,** wet and dry bulb readings taken quickly, accurately, and inconspicuously, without any whirling. Readings are made with instrument in one hand while other hand operates a bellows by which proper ventilation is induced. Pocket size, the new Psychrometer for Air Conditioning.



**Temperature** and **Humidity Recorder,** which records conditions either of immediate surroundings, or from distant locations. Humidity is read directly from the chart in percentage relative humidity without computations or recourse to tables. Unique Air-condition Recorder.

**Relay-Transformer,** in one integral unit at the price of a moderately priced relay. Designed for use wherever a relay is required in Air-conditioning, producing low voltage service at high voltage costs.

Factory representatives in leading cities, and complete catalogues and engineering service for any project requiring expert counsel and design.

**Detailed Bulletins on Request**

***America's Specialist in Air Conditioning Controls***





# The Fulton Sylphon Company

**Manufacturers of Sylphon Automatic Temperature Controlling Instruments and Packless Expansion Joints**

**Knoxville, Tenn.**

**Sales Representatives in Principal Cities**

## PRODUCTS

**Temperature Regulators for Storage Water Heaters; Thermostatic Water Mixers; Refrigeration Temperature Regulators; Packless Expansion Joints; Pressure Reducing Valves. (For Sylphon Systems of Temperature Control for heating, ventilating and air conditioning . . . see Page 1123.)**

## GENERAL INFORMATION

Fulton Sylphon Products depend upon the famous Sylphon Metal Bellows for their trouble-free service and long life.

Over thirty-five years ago, THE FULTON SYLPHON COMPANY originated this bellows . . . a precision-built, seamless, jointless "miracle in metal."

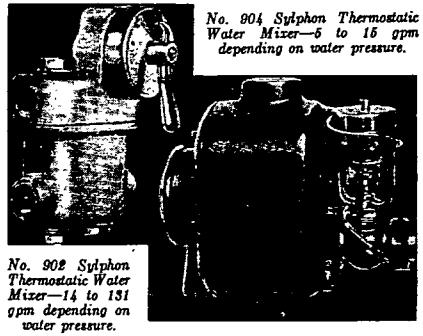
By continuous engineering study and intimate contact with heating and refrigeration problems, this company has used this efficient, practically indestructible bellows in the development of a line of temperature control and heating specialties known everywhere for outstanding service and quality.

## HOT WATER SUPPLY

**No. 931 Sylphon Regulator**—Widely used for controlling hot water service heaters; accurate, reliable, long lived; can be installed in any position facilitating use in crowded locations. One of a complete line of Sylphon Regulators designed for hot water supply service. Bulletin HVG-20.



*No. 931 Sylphon Tank Regulator*



*No. 904 Sylphon Thermostatic Water Mixer—5 to 15 gpm depending on water pressure.*

*No. 902 Sylphon Thermostatic Water Mixer—14 to 131 gpm depending on water pressure.*

**Sylphon Thermostatic Water Mixers**—Utilize hot water from any storage tank or instantaneous heater, and effectively regulate the amount of cold water required to temper it to the desired degree, actually mixing the hot and cold water together before delivery.

Readily adjustable for any desired water temperature, this temperature remains constant in spite of fluctuations in supply water temperatures or pressures.

Four sizes with capacities ranging from 5 to 325 gpm. Bulletin HVG-40.

## REFRIGERATION CONTROLS

A complete line of Sylphon Refrigeration Controls, adaptable to the regulation of temperatures down to 40 deg. below zero and wherever brine is used as the refrigerant.



*No. 945-Z Regulator Showing detail of "freeze-proof" valve*

Latest development of Fulton Sylphon Engineers is a "freeze - proof" valve (illustrated at right on the popular Sylphon No. 945-Z Regulator). This valve will work freely even when subjected to temperatures as low as 70 deg. below zero. Bulletin HVG-20.

## PACKLESS EXPANSION JOINTS

The Sylphon Packless Expansion Joint eliminates useless building height, expensive construction and non-revenue producing space. It prevents costly leaks and repairs, requires no repacking, and because it is always tight, it allows the heating system to operate at full efficiency. Thousands are in use. Write for Bulletin HVG-140.



*No. 110 Sylphon Expansion Joint*

## PRESSURE REGULATORS

**No. 952**—This regulator of all-metal construction may be used as a pressure reducing valve as well as a uniform pressure regulator. It may be installed in any position, easily adjusted for different pressures.



*No. 952 Sylphon Pressure Regulator*