



## **Dole® Automatic Flow Regulators**

*Accurate, automatic balancing of solar, heating and cooling hydronic systems*



**Dole Automatic Flow Regulator (actual size) 4<sup>1</sup>/<sub>2</sub>" long with <sup>3</sup>/<sub>4</sub>" sweat connection**

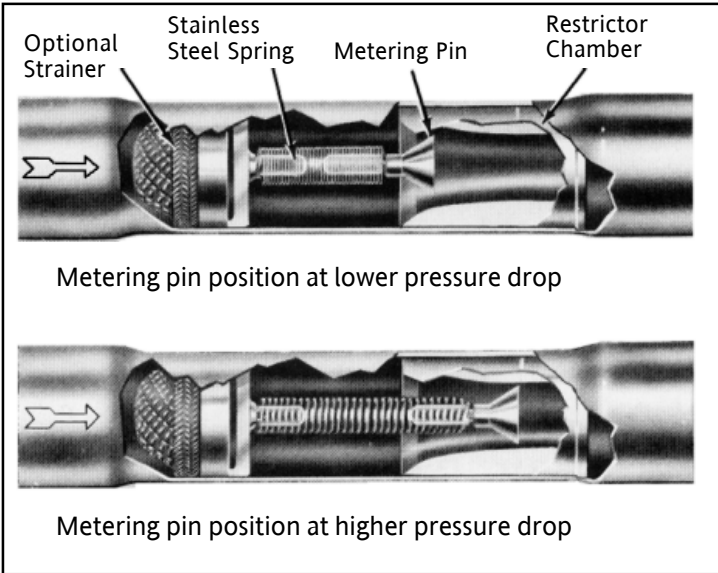
**Fan coils • Convectors • Induction Units • Loops • Unit Ventilators  
Booster Coils • Make-up Coils • Reheat Coils**

By installing a Dole Automatic Flow Regulator in line with each heating or cooling unit, even distribution is assured over a wide range of pressure. This completely eliminates the need and expense of reverse-return systems, and also saves the high labor cost involved in manually balancing systems. The Dole Automatic Flow Regulator can be easily installed in any hydronic system where accurate control is required through a pressure drop of 1 to 10 PSI.

### **Design Features:**

- System stays balanced
- Provides constant flow-rate over a wide pressure rate
- Permits simplified system layout
- Low initial cost
- Essentially no maintenance
- Optional strainer permits clog-free operation
- Virtually silent operation
- Reduces engineering design time
- Installs easily in existing systems

**Accurate, automatic balancing of solar, heating and cooling hydronic systems with Dole Automatic Flow Regulators**



The operation of the Dole Automatic Flow Regulator is effectively simple. Each unit is calibrated at the factory. As the pump head increases, the spring-loaded metering pin is directed into the restrictor chamber. This increases the pressure drop and maintains a constant flow.

When the pump stops or a valve closes, the pressure is reduced, causing the metering pin to reposition itself and maintain a constant flow.

**Specifications**

- Temperature range - 40°F through 240°F
- Maximum static head pressure - 125 PSI
- Pressure differential - 1 through 10 PSI
- Strainer - 20 mesh, 9 sq. in.
- Length - 4½" long
- Connection - ¾" sweat

**Models Available**

(number indicates flow in GPM)

- |         |         |
|---------|---------|
| AFR 1.0 | AFR 4.0 |
| AFR 1.5 | AFR 5.0 |
| AFR 2.0 | AFR 6.0 |
| AFR 2.5 | AFR 7.0 |
| AFR 3.0 | AFR 8.0 |
| AFR 3.5 |         |

**Typical Performance Curve**

