

# Dole

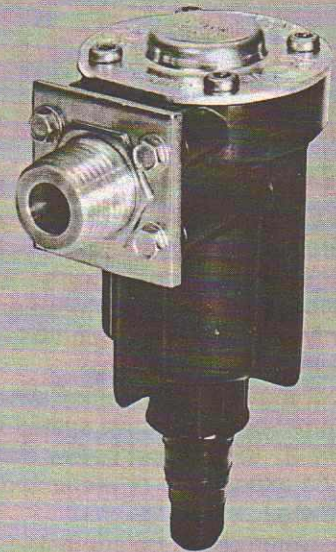
## FP-35 & FP-45

### BACK UP FREEZE PROTECTION VALVE

## Protect Solar Collectors & Exposed Piping From Freezing

#### Outstanding Features:

- Easily installed on existing systems
- 150 P.S.I. maximum operating pressure
- Corrosion resistant design
- F.D.A. and N.S.F. listed materials
- L.A. Testing and IAPMO listed
- Anti-siphon and alternate discharge port
- Discharge port for ¼" plastic pipe or ⅝" I.D. hose
- ½" Brass male pipe thread inlet port for positive seal
- Tamper resistant design
- Nominal start to open temperature of FP-35 is 38°F and FP-45 is 43°F
- Completely mechanical operating principle
- High temperature U.V. stabilized body material
- Ideal for back-up freeze protection



Actual Size: 5 inches high

### Dole Freeze Protection Valve

The Eaton FP-35 and FP-45 Freeze Protection Valves utilize a reliable self contained Dole Power Element which is sensitive to temperature and operates without any electrical power or sensors. Typically in solar applications, the valve port opens on descending temperatures allowing the near freezing water in the solar panel to be discharged and replaced with warmer supply water. When the warmer water reaches the FP-35 or FP-45, the valve port closes and water discharge stops. This cycle will repeat as often as necessary to help prevent freezing. The amount of water dispensed depends mainly on ambient air temperature, make up water temperature, duration of cold spell and the number and size of collectors. The system is functioning properly when water is being discharged from the valve during near freezing conditions. For water to be discharged at the time of operation, system water pressure must be maintained.

#### Limited Warranty

Dole/Eaton Energy Control Products are warranted by the manufacturer against failure due to defects in material and workmanship, when properly installed and used in accordance with the installation instructions, for a period of one year from the date of installation. Eaton's obligation under this warranty is limited to the replacement or repair of defective parts and does not include reimbursement for expenses of removing or installing the unit. To make a claim under this warranty, please return the Dole/Eaton FP-35 or FP-45 Valve (transportation prepaid), with proof of purchase, to the Controls Division of Eaton Corporation. THIS WARRANTY IS IN LIEU OF ALL WARRANTIES EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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