

SERVICE BULLETIN # 43

DATE: December 7, 1981  
TO: Midship, Light Truck & Fire Unit Accounts  
SUBJECT: HALE PANEL MOUNTED ACCESSORIES

Hale panel mounted accessories are designed with consideration given to proper drainage following their use (to prevent freezing).

Due to the symmetry of the design it is possible to install some of our accessory devices incorrectly (upside down). Unfortunately, we recently found some devices upside down, eliminating the natural drainage that proper installation provides.

All Hale panel mounted accessory devices PM Control Valve, EM Governor, Panel Strainer, and QT Power Transfer Valve should be mounted as follows:

1. Panel mounted accessory devices must be installed above the level of the pump or a drain must be placed at the low spot in the line. (Do not connect to master drain.)
2. All tubing connectors should be on the bottom of the device when installed or pointed down to avoid traps and to provide natural drainage.
3. Tubing should be installed with the shortest, most direct route and should not be "teed" for another purpose. No loops or bends that could create water traps should be allowed as an ice filled low spot could result in a safety device malfunction.
4. All devices are designed to operate with the available water through 3/8" I.D. tubing. If plastic or nylon tubing is being utilized that has a smaller I.D., caution should be exercised since it could adversely affect the reaction time of the device.

Please take a few moments to check your trucks that are now in production. Talk to your pump and piping men. A ten minute meeting now could prevent an expensive call in the future.

*F. W. Buchler*  
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