TECH BULLETIN: SPITFIRE VALVE INSTALLATION ISSUES

Effective: 04/11/2024

Parts Affected: All assemblies, kits, or part orders containing Capstan Spitfire Valves

DETAILS

CapstanAg has been made aware of difficulty in installing SpitFire Valve assemblies, resulting in leaks. Valve assemblies for Arag/Hypro branded nozzle bodies, and Wilger nozzle bodies more than 10 years old, have been reported to be most prone to leaks after installation.

1. **Improper Installation practices**

    1.1. Improper Installation can result in torn or twisted O-rings and will result in leaks.

        1.1.1. SpitFire coils **MUST NOT** be rotated upon installation. This will distort/damage the O-ring.

        1.1.2. Hold the coil firmly while only rotating the flynut to tighten the valve.

O-RINGS DAMAGED FROM IMPROPER INSTALLATION
WILL APPEAR TORN OR DEFORMED

    1.2. More information on SpitFire valves can be found on the Capstan Ag resources page at https://capstanag.com/resources/

    1.3. For specific part information and installation/maintenance procedures, refer to Spitfire Valve Installation on the resources page.

    1.4. Videos demonstrating the correct installation of SpitFire valves can be found at https://youtu.be/kwFzOziExEs and by scanning this QR code.

2. Out-of-Round O-rings

2.1. O-rings that are misshapen or otherwise not fully round prior to installation are more likely to result in installation difficulties that may result in leaks.

❌ *NEEDS REPLACEMENT*   ✅ *WORKING CONDITION*

OUT-OF-ROUND   *ROUND AND CONNECTED*

2.2. Inspect parts before installation to ensure the O-rings have arrived undamaged.

2.3. Capstan Ag will supply new O-rings at no cost to the customer to replace any out-of-round O-rings found prior to initial installation.